Electricity Data Model Report

AEMO Electricity Data Model v5.8.0 Oracle

18/09/2026

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1 List of packages

Name	Code	Use Parent Namespace
CONFIGURATION	CONFIGURATION	X
ANCILLARY_SERVICES	ANCILLARY_SERVICES	X
ASOFFER	ASOFFER	X
BIDS	BIDS	X
BILLING_CONFIG	BILLING_CONFIG	X
BILLING_RUN	BILLING_RUN	X
DEMAND_FORECASTS	DEMAND_FORECASTS	X
DISPATCH	DISPATCH	X
FORCE_MAJEURE	FORCE_MAJEURE	X
GD_INSTRUCT	GD_INSTRUCT	X
GENERIC_CONSTRAINT	GENERIC_CONSTRAINT	X
IRAUCTION	IRAUCTION	X
MARKET_CONFIG	MARKET_CONFIG	X
MARKET_NOTICE	MARKET_NOTICE	X
METER_DATA	METER_DATA	X
MTPASA	MTPASA	X
P5MIN	P5MIN	X
PARTICIPANT_REGISTRATION	PARTICIPANT_REGISTRATION	X
PRE_DISPATCH	PRE_DISPATCH	X
RESERVE_DATA	RESERVE_DATA	X
SETTLEMENT_CONFIG	SETTLEMENT_CONFIG	X
SETTLEMENT_DATA	SETTLEMENT_DATA	X
STPASA_SOLUTION	STPASA_SOLUTION	X

TRADING_DATA	TRADING_DATA	X
HISTORICAL TABLES	HISTORICAL_TABLES	X
PDPASA	PDPASA	X
PRUDENTIALS	PRUDENTIALS	X
MCC_DISPATCH	MCC_DISPATCH	X
NETWORK	NETWORK	X
VOLTAGE_INSTRUCTIONS	VOLTAGE_INSTRUCTIONS	X
PD7DAY	PD7DAY	X
FPP	FPP	X
SYSTEM_SECURITY_MANAGEMENT	SYSTEM_SECURITY_MANAGEMENT	X

2 Description of the model AEMO Electricity Data Model v5.8.0 Oracle

Background

The MMS Data Model is the definition of the interface to participants of data published by AEMO from the NEM system. A database conforming to the MMS Data Model can contain a local copy of all current participant-specific data recorded in the main NEM production database. The target databases have been called such names as the Participant Database, the Participant InfoServer and the Replica Database.

The MMS Data Model includes database tables, indexes and primary keys. The model is currently exposed as a physical model, so is different in presentation for each RDBMS. However, the same logical model underlies all the physical models published by AEMO.

The MMS Data Model is the target model for products transferring data from AEMO to each participant. Current product supplied by AEMO for data transfer is Participant Data Replication (PDR), with some support for the superseded Parser.

Compatibility of the transfer products with the MMS Data Model is the responsibility of those products and their configuration. AEMO's intention is to supply the data transfer products pre-configured to deliver data consistent with the MMS Data Model, noting differences where they occur (e.g. for historical reasons).

Entity Diagrams

The entity diagrams show the key columns. Relationships have now been included in many cases.

Note:

The National Electricity Market registration classification of Yarwun Power Station Unit 1 (dispatchable unit ID: YARWUN_1) is market non-scheduled generating unit. However, it is a

condition of the registration of this unit that the Registered Participant complies with some of the obligations of a Scheduled Generator. This unit is dispatched as a scheduled generating unit with respect to its dispatch offers, targets and generation outputs. Accordingly, information about YARWUN_1 is reported as scheduled generating unit information.

3 Notes

Each table description has a Note providing some information relevant to the table.

3.1 Visibility

Visibility refers to the nature of confidentiality of data in the table. Each table has one of the following entries, each described here.

Private: meaning the data is confidential to the Participant (e.g. BILLINGFEES).

Public: meaning all Participants have access to the data (e.g. DISPATCHPRICE).

Private, Public Next-Day: meaning the data is confidential until available for public release at beginning of next day (i.e. 4am) (e.g. BIDDAYOFFER).

Private & Public: meaning some items are private and some are public (e.g. MARKETNOTICES).

4 Package: CONFIGURATION

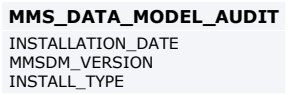
Name CONFIGURATION

Comment MMS Data Model Configuration Management and Control

4.1 List of tables

Name	Comment	Visibility
MMS_DATA_MODEL_AUDIT	MMS_DATA_MODEL_AUDIT shows the audit trail of scripts applied to this installation of MMS Data Model. Participants should ensure that if a database is cloned the content of this table is copied to the target database.	Private

4.2 Diagram: Entities: Configuration



4.3 Table: MMS_DATA_MODEL_AUDIT

4.3.1 MMS_DATA_MODEL_AUDIT

Name	MMS_DATA_MODEL_AUDIT
Comment	MMS_DATA_MODEL_AUDIT shows the audit trail of scripts applied to this installation of MMS Data Model. Participants should ensure that if a database is cloned the content of this table is copied to the target database.

4.3.2 Description

Source

Delivered within scripts comprising install or updates to the MMS Data Model schema.

Volume

1 record is inserted per release of MMS Data Model managed product

4.3.3 Notes

Name	Comment	Value
Visibility		Private

4.3.4 Primary Key Columns

Name
INSTALL_TYPE
INSTALLATION_DATE
MMSDM_VERSION

4.3.5 Content

Name	Data Type	Mandatory	Comment
INSTALLATION_DATE	DATE	X	The date in which the changes to the MMS Data Model were installed

MMSDM_VERSION	VARCHAR2(20)	X	The version of MMS Data Model after the script has been applied
INSTALL_TYPE	VARCHAR2(10)	X	The type of the patch applied. Valid entries are: FULL, UPGRADE, DML
SCRIPT_VERSION	VARCHAR2(20)		The version of the patch set to the MMS Data Model
NEM_CHANGE_NOTICE	VARCHAR2(20)		The NEM Change notice for which this MMS Data Model applies
PROJECT_TITLE	VARCHAR2(200)		The name of the business project for which these changes to the MMS Data Model apply
USERNAME	VARCHAR2(40)		The USER applying this script
STATUS	VARCHAR2(10)		The status of the upgrade. Valid entries are STARTED, FAILED, SUCCESS

5 Package: ANCILLARY_SERVICES

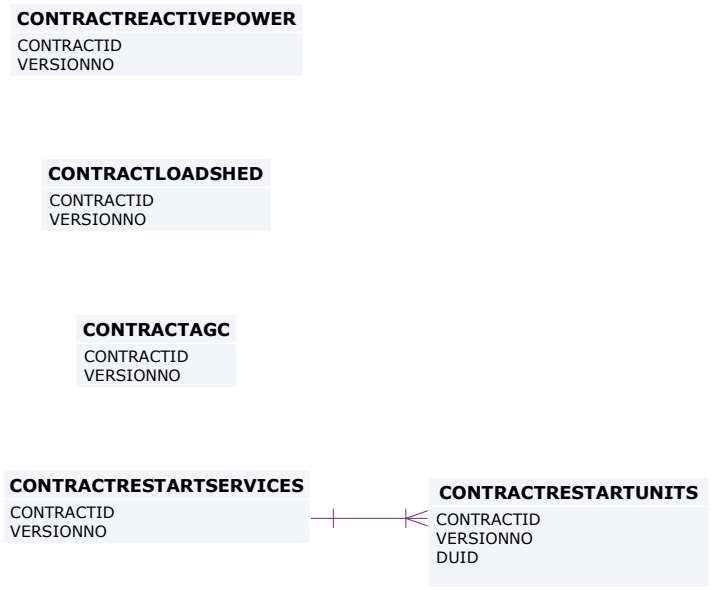
Name ANCILLARY_SERVICES

Comment Ancillary Service Contract Data

5.1 List of tables

Name	Comment	Visibility
CONTRACTAGC	CONTRACTAGC shows Automatic Generation Control (AGC) contract details for each dispatchable unit. There is a separate contract for each unit.	Private
CONTRACTLOADSHED	CONTRACTLOADSHED shows Governor contract details used in the settlement and dispatch of this service. Note: services are dispatched as 6 and 60 raise Frequency Control Ancillary Services (FCAS). Mandatory requirements and breakpoint details are not used for load shed. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
CONTRACTREACTIVEPOWER	CONTRACTREACTIVEPOWER shows Reactive Power contract details used in the settlement and dispatch of this service. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
CONTRACTRESTARTSERVICES	CONTRACTRESTARTSERVICES shows Restart Services contract details used in the settlement and dispatch of this service.	Private
CONTRACTRESTARTUNITS	CONTRACTRESTARTUNITS shows Restart units provided under a system restart contract. A service can have multiple units.	Private

5.2 Diagram: Entities: Ancillary Services



5.3 Table: CONTRACTAGC

5.3.1 CONTRACTAGC

Name	CONTRACTAGC
Comment	CONTRACTAGC shows Automatic Generation Control (AGC) contract details for each dispatchable unit. There is a separate contract for each unit.

5.3.2 Description

CONTRACTAGC data is confidential to the relevant participant.

Source

CONTRACTAGC updates only where there is a contract variation.

5.3.3 Notes

Name	Comment	Value
Visibility		Private

5.3.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

5.3.5 Index Columns

Name
LASTCHANGED

5.3.6 Index Columns

Name
PARTICIPANTID

CONTRACTID

5.3.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		End date of contract
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
CRR	NUMBER(4,0)		Control Range Raise 5 Min MW
CRL	NUMBER(4,0)		Control Range Lower 5 Min MW
RLPRICE	NUMBER(10,2)		Enabling Price in $
CCPRICE	NUMBER(10,2)		Compensation Cap in $
BS	NUMBER(10,2)		Block Size
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was Authorised
LASTCHANGED	DATE		Last date and time record changed

5.4 Table: CONTRACTLOADSHED

5.4.1 CONTRACTLOADSHED

Name CONTRACTLOADSHED

Comment CONTRACTLOADSHED shows Governor contract details used in the settlement and dispatch of this service. Note: services are dispatched as 6 and 60 raise Frequency Control Ancillary Services (FCAS). Mandatory requirements and breakpoint details are not used for load shed. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

5.4.2 Description

CONTRACTLOADSHED data is confidential to the relevant participant.

Source

CONTRACTLOADSHED updates only where there is a contract variation.

5.4.3 Notes

Name	Comment	Value
Visibility		Private

5.4.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

5.4.5 Index Columns

Name
LASTCHANGED

5.4.6 Index Columns

Name
PARTICIPANTID

5.4.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No.

STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Termination Date of Contract
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
LSEPRICE	NUMBER(6,2)		The load shed enabling price for this contract
MCPPRICE	NUMBER(12,2)		Minimum Compensation price
TENDEREDPRICE	NUMBER(6,2)		Price Tendered for Compensation per Trading interval - Not used since 13/12/1998
LSCR	NUMBER(6,2)		Load Shed Control Range
ILSCALINGFACTOR	NUMBER(15,5)		SPD scaling factor for load shed vs dispatched, (1 = dispatched)
LOWER60SECBREAKPOINT	NUMBER(9,6)		Not used
LOWER60SECMAX	NUMBER(9,6)		Not used
LOWER6SECBREAKPOINT	NUMBER(9,6)		Not used
LOWER6SECMAX	NUMBER(9,6)		Not used
RAISE60SECBREAKPOINT	NUMBER(9,6)		Not used
RAISE60SECCAPACITY	NUMBER(9,6)		Not used
RAISE60SECMAX	NUMBER(9,6)		Maximum 60 second raise
RAISE6SECBREAKPOINT	NUMBER(9,6)		Not used
RAISE6SECCAPACITY	NUMBER(9,6)		Not used
RAISE6SECMAX	NUMBER(9,6)		Limit Equation Raise 6 Second Maximum MW
PRICE6SECRAISEMANDATORY	NUMBER(16,6)		Not used
QUANT6SECRAISEMANDATORY	NUMBER(9,6)		Not used
PRICE6SECRAISECONTRACT	NUMBER(16,6)		Contract Price for 6 Second Raise
QUANT6SECRAISECONTRACT	NUMBER(9,6)		Contract Quantity for 6 Second Raise
PRICE60SECRAISEMANDATORY	NUMBER(16,6)		Not used
QUANT60SECRAISEMANDATORY	NUMBER(9,6)		Not used

PRICE60SECRAISECONTRACT	NUMBER(16,6)		Not used
QUANT60SECRAISECONTRACT	NUMBER(9,6)		Not used
PRICE6SECLOWERMANDATORY	NUMBER(16,6)		Not used
QUANT6SECLOWERMANDATORY	NUMBER(9,6)		Not used
PRICE6SECLOWERCONTRACT	NUMBER(16,6)		Not used
QUANT6SECLOWERCONTRACT	NUMBER(9,6)		Not used
PRICE60SECLOWERMANDATORY	NUMBER(16,6)		Not used
QUANT60SECLOWERMANDATORY	NUMBER(9,6)		Not used
PRICE60SECLOWERCONTRACT	NUMBER(16,6)		Not used
QUANT60SECLOWERCONTRACT	NUMBER(9,6)		Not used
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was Authorised
LASTCHANGED	DATE		Last date and time record changed
DEFAULT_TESTINGPAYMENT_AMOUNT	NUMBER(18,8)		The NMAS default payment amount
SERVICE_START_DATE	DATE		The NMAS Testing Service Start Date

5.5 Table: CONTRACTREACTIVEPOWER

5.5.1 CONTRACTREACTIVEPOWER

Name CONTRACTREACTIVEPOWER

Comment CONTRACTREACTIVEPOWER shows Reactive Power contract details used in the settlement and dispatch of this service. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

5.5.2 Description

CONTRACTREACTIVEPOWER data is confidential to the relevant participant.

Source

CONTRACTREACTIVEPOWER updates only where there is a contract variation.

5.5.3 Notes

Name	Comment	Value
Visibility		Private

5.5.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

5.5.5 Index Columns

Name
PARTICIPANTID

5.5.6 Index Columns

Name
LASTCHANGED

5.5.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No.
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Termination Date of Contract

PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
SYNCCOMPENSATION	VARCHAR2(1)		Sync Compensation Flag - Y for SYNCCOMP
MVARAPRICE	NUMBER(10,2)		Availability price per MVAr of RP absorption capability
MVAREPRICE	NUMBER(10,2)		Enabling price
MVARGPRICE	NUMBER(10,2)		Availability price per MVAr of RP generation capability
CCPRICE	NUMBER(10,2)		Compensation Cap
MTA	NUMBER(10,2)		Reactive Power Absorption Capability (MVAr)
MTG	NUMBER(10,2)		Reactive Power Generation Capability (MVAr)
MMCA	NUMBER(10,2)		Minimum Capability for MVAr Absorption required by Code
MMCG	NUMBER(10,2)		Minimum Capability for MVAr Generation required by Code
EU	NUMBER(10,2)		Estimated Power consumption of unit when operating on SYNCCOMP
PP	NUMBER(10,2)		Estimated Price for supply
BS	NUMBER(10,2)		Block Size of Unit
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was Authorised
LASTCHANGED	DATE		Last date and time record changed
DEFAULT_TESTINGPAYMENT_AMOUNT	NUMBER(18,8)		The NMAS default payment amount
SERVICE_START_DATE	DATE		The NMAS Testing Service Start Date
AVAILABILITY_MWH_THRESHOLD	NUMBER(18,8)		The MWh the unit must produce in a trading interval to be eligible for an excess-to-gen availability payment
MVAR_THRESHOLD	NUMBER(18,8)		The threshold value for MegaVar (MVAr) to check whether the service is fully available.
REBATE_CAP	NUMBER(18,8)		The maximum capped amount for the rebate

			payment.
REBATE_AMOUNT_PER_MVAR	NUMBER(18,8)		The per MVAR rebate amount used to calculate the rebate payment.
ISREBATEAPPLICABLE	NUMBER(1,0)		Used to check whether the contract is eligible for rebate. For new NSCAS contracts to apply new payment methodology this flag is 1.

5.6 Table: CONTRACTRESTARTSERVICES

5.6.1 CONTRACTRESTARTSERVICES

Name	CONTRACTRESTARTSERVICES
Comment	CONTRACTRESTARTSERVICES shows Restart Services contract details used in the settlement and dispatch of this service.

5.6.2 Description

CONTRACTRESTARTSERVICES data is confidential to the participant holding the contract.

Source

CONTRACTRESTARTSERVICES updates only where there is a contract variation.

5.6.3 Notes

Name	Comment	Value
Visibility		Private

5.6.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

5.6.5 Index Columns

Name

PARTICIPANTID

5.6.6 Index Columns

Name

LASTCHANGED

5.6.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No.
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Termination Date of Contract
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
RESTARTTYPE	NUMBER(1,0)		Restart Type - 0 = BlackStart, 1 = Combination, 2 = Trip To House
RCPRICE	NUMBER(6,2)		Availability Price
TRIPTOHOUSELEVEL	NUMBER(5,0)		Trip To House Level
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was Authorised
LASTCHANGED	DATE		Last date and time record changed
DEFAULT_TESTINGPAYMENT_AMOUNT	NUMBER(18,8)		The NMAS default payment amount
SERVICE_START_DATE	DATE		The NMAS Testing Service Start Date

5.7 Table: CONTRACTRESTARTUNITS

5.7.1 CONTRACTRESTARTUNITS

Name	CONTRACTRESTARTUNITS
Comment	CONTRACTRESTARTUNITS shows Restart units provided under a system restart contract. A service can have multiple units.

5.7.2 Description

CONTRACTRESTARTUNITS data is confidential to each participant with a restart contract.

Source

CONTRACTRESTARTUNITS updates only where there is a contract variation.

5.7.3 Notes

Name	Comment	Value
Visibility		Private

5.7.4 Primary Key Columns

Name
CONTRACTID
DUID
VERSIONNO

5.7.5 Index Columns

Name
LASTCHANGED

5.7.6 Index Columns

Name
CONTRACTID

5.7.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Version No of contract
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
LASTCHANGED	DATE		Last date and time record changed
AUTHORISEDBY	VARCHAR2(15)		
AUTHORISEDDATE	DATE		

6 Package: ASOFFER

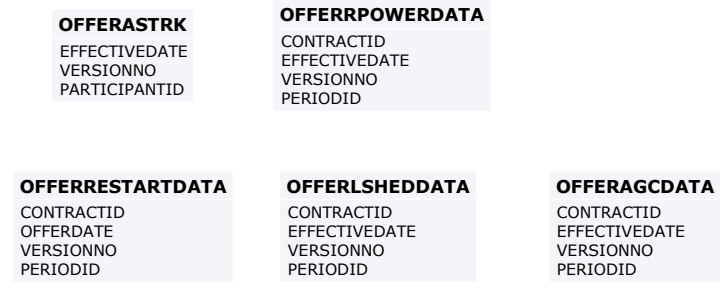
Name ASOFFER

Comment Offer data for Ancillary Service Contracts

6.1 List of tables

Name	Comment	Visibility
OFFERAGCDATA	OFFERAGCDATA shows availability reoffers of Automatic Generation Control.	Private
OFFERASTRK	OFFERASTRK tracks successfully acknowledged ancillary service reoffers.	Private
OFFERLSHEDDATA	OFFERLSHEDDATA shows reoffers of load shed including available load shed quantity. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
OFFERRESTARTDATA	OFFERRESTARTDATA sets out reoffers of system restart availability.	Private
OFFERRPOWERDATA	OFFERRPOWERDATA shows reoffers of reactive power capability and settlement measurements. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private

6.2 Diagram: Entities: Ancillary Service Contracts



6.3 Table: OFFERAGCDATA

6.3.1 OFFERAGCDATA

Name	OFFERAGCDATA
Comment	OFFERAGCDATA shows availability reoffers of Automatic Generation Control.

6.3.2 Description

OFFERAGCDATA data is confidential to the relevant participant.

Source

OFFERAGCDATA updates as reoffers submitted.

6.3.3 Notes

Name	Comment	Value
Visibility		Private

6.3.4 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

6.3.5 Index Columns

Name
LASTCHANGED

6.3.6 Index Columns

Name

CONTRACTID

6.3.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
EFFECTIVEDATE	DATE	X	Market date of offer
VERSIONNO	NUMBER(3,0)	X	Version no of record
AVAILABILITY	NUMBER(4,0)		Availability flag (0 or 1)
UPPERLIMIT	NUMBER(4,0)		Upper control limit. This is used by SPD.
LOWERLIMIT	NUMBER(4,0)		Lower control limit MW. This is used by SPD.
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(15)		Authorised by
FILENAME	VARCHAR2(40)		Name of reoffer file
LASTCHANGED	DATE		Last date and time record changed
PERIODID	NUMBER(3,0)	X	Market day trading interval number
AGCUP	NUMBER(3,0)		AGC Ramp Rate Up. This is used by SPD.
AGCDOWN	NUMBER(3,0)		AGC Ramp Rate Down. This is used by SPD.

6.4 Table: OFFERASTRK

6.4.1 OFFERASTRK

Name OFFERASTRK

Comment OFFERASTRK tracks successfully acknowledged ancillary service reoffers.

6.4.2 Description

OFFERASTRK data is confidential to the relevant participant.

Source

OFFERASTRK is updated as offers are successfully acknowledged.

6.4.3 Notes

Name	Comment	Value
Visibility		Private

6.4.4 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
VERSIONNO

6.4.5 Index Columns

Name
LASTCHANGED

6.4.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Market day starting at 4:00 am
VERSIONNO	NUMBER(3,0)	X	Version of the offer for that date
PARTICIPANTID	VARCHAR2(10)	X	Participant ID
FILENAME	VARCHAR2(40)		Submitted file name.
LASTCHANGED	DATE		Last changed date and time.

6.5 Table: OFFERLSHEDDATA

6.5.1 OFFERLSHEDDATA

Name	OFFERLSHEDDATA
Comment	OFFERLSHEDDATA shows reoffers of load shed including available load shed quantity. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

6.5.2 Description

OFFERLSHEDDATA data is confidential to the relevant participant.

Source

OFFERLSHEDDATA updates as reoffers process.

6.5.3 Notes

Name	Comment	Value
Visibility		Private

6.5.4 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

6.5.5 Index Columns

Name
LASTCHANGED

6.5.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract identifier
EFFECTIVEDATE	DATE	X	Market date of reoffer
VERSIONNO	NUMBER(3,0)	X	Version No of reoffer
AVAILABLELOAD	NUMBER(4,0)		Available load
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(15)		Authorised by
FILENAME	VARCHAR2(40)		Name of reoffer file
LASTCHANGED	DATE		Last date and time record changed
PERIODID	NUMBER(3,0)	X	Market day trading interval number

6.6 Table: OFFERRESTARTDATA

6.6.1 OFFERRESTARTDATA

Name	OFFERRESTARTDATA
Comment	OFFERRESTARTDATA sets out reoffers of system restart availability.

6.6.2 Description

OFFERRESTARTDATA data is confidential to the relevant participant.

Source

OFFERRESTARTDATA updates as reoffers process.

6.6.3 Notes

Name	Comment	Value
Visibility		Private

6.6.4 Primary Key Columns

Name

CONTRACTID

OFFERDATE

PERIODID

VERSIONNO

6.6.5 Index Columns

Name

LASTCHANGED

6.6.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract identifier
OFFERDATE	DATE	X	Effective date of contract
VERSIONNO	NUMBER(3,0)	X	Version No of contract
AVAILABILITY	VARCHAR2(3)		Available load
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(15)		Authorised by
FILENAME	VARCHAR2(40)		Name of reoffer file
LASTCHANGED	DATE		Last date and time record changed
PERIODID	NUMBER(3,0)	X	Market day trading interval number

6.7 Table: OFFERRPOWERDATA

6.7.1 OFFERRPOWERDATA

Name	OFFERRPOWERDATA
Comment	OFFERRPOWERDATA shows reoffers of reactive power capability and settlement measurements. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

6.7.2 Description

OFFERRPOWERDATA data is confidential to the relevant participant.

Source

OFFERRPOWERDATA updates as reoffers process.

6.7.3 Notes

Name	Comment	Value
Visibility		Private

6.7.4 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

6.7.5 Index Columns

Name
LASTCHANGED

6.7.6 Index Columns

Name

CONTRACTID

6.7.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Version No.
EFFECTIVEDATE	DATE	X	Contract Version No.
VERSIONNO	NUMBER(3,0)	X	Version No. of Re-Offer
PERIODID	NUMBER(3,0)	X	Market trading interval
AVAILABILITY	NUMBER(3,0)		Availability of service
MTA	NUMBER(6,0)		Reactive Power Absorption Capability (MVar)
MTG	NUMBER(6,0)		Reactive Power Generation Capability (MVar)
AUTHORISEDDATE	DATE		Date Contract was Authorised
AUTHORISEDBY	VARCHAR2(15)		User Name
FILENAME	VARCHAR2(40)		File name of Re-Offer file
LASTCHANGED	DATE		Last date and time record changed

7 Package: BIDS

Name BIDS

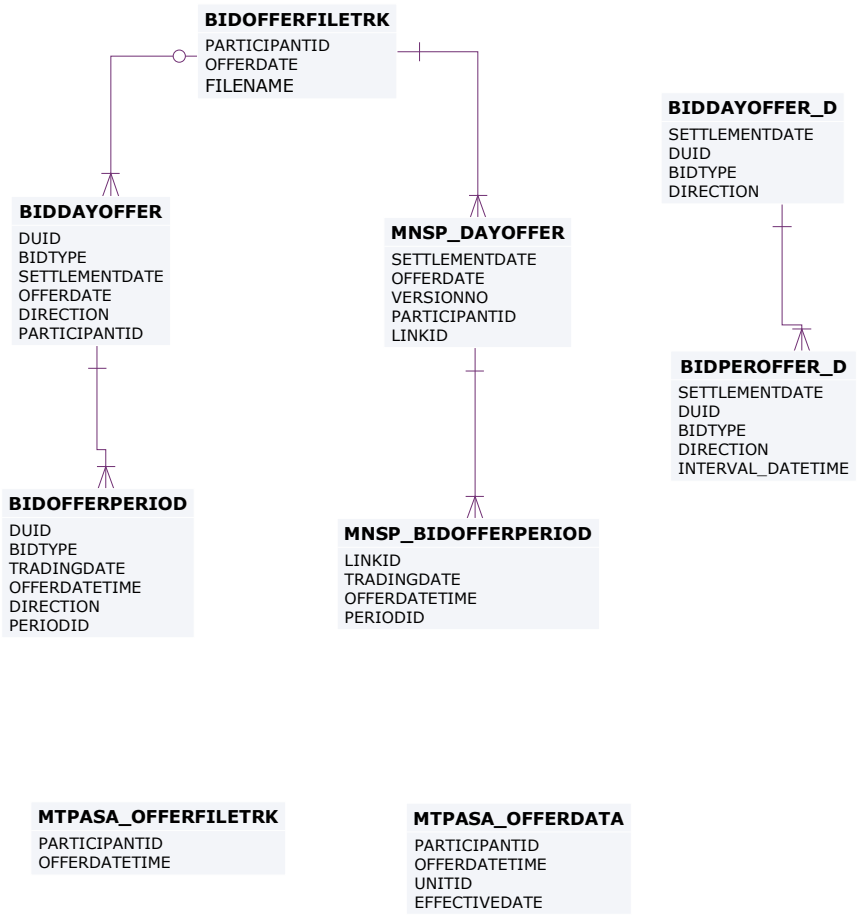
Comment Energy and Market Based FCAS Offers

7.1 List of tables

Name	Comment	Visibility
BIDDAYOFFER	BIDDAYOFFER shows the Energy and Ancillary Service bid data for each Market Day. BIDDAYOFFER is the parent table to BIDOFFERPERIOD. BIDDAYOFFER is a child table to BIDOFFERFILETRK	Private & Public Next-Day
BIDDAYOFFER_D	BIDDAYOFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDDAYOFFER_D is the parent table to BIDPEROFFER_D.	Public
BIDOFFERFILETRK	BIDOFFERFILETRK shows an audit trail of all files submitted containing ENERGY/FCAS/MNSP bid, including corrupt bids and rebids.	Private
BIDOFFERPERIOD	BIDOFFERPERIOD shows 5-minute period-based Energy and Ancillary Service bid data.BIDOFFERPERIOD is a child table of BIDDAYOFFER	Private & Public Next-Day
BIDPEROFFER_D	BIDPEROFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDPEROFFER_D is the child to BIDDAYOFFER_D.	Public
MNSP_BIDOFFERPERIOD	MNSP_BIDOFFERPERIOD shows availability for 5-minute periods for a specific Bid and LinkID for the given Trading Date and period. MNSP_BIDOFFERPERIOD is a child to MNSP_DAYOFFER and links to BIDOFFERFILETRK for 5MS Bids.	Private & Public Next-Day
MNSP_DAYOFFER	MNSP_DAYOFFER updates as bids are processed. All bids are available as part of next day market data. MNSP_DAYOFFER is the parent table to MNSP_BIDOFFERPERIOD, and joins to	Private & Public Next-Day

	BIDOFFERFILETRK for 5MS Bids.	
MTPASA_OFFERDATA	Participant submitted Offers for MTPASA process	Private
MTPASA_OFFERFILETRK	Participant submitted Offers for MTPASA process	Private

7.2 Diagram: Entities: Bids



7.3 Table: BIDDAYOFFER

7.3.1 BIDDAYOFFER

Name	BIDDAYOFFER
Comment	BIDDAYOFFER shows the Energy and Ancillary Service bid data for each Market Day. BIDDAYOFFER is the parent table to BIDOFFERPERIOD. BIDDAYOFFER is a child table to BIDOFFERFILETRK

7.3.2 Description

The ancillary service arrangements require availability and prices for each Frequency Control Ancillary Service to be bid on a similar basis to energy. Three tables (BIDOFFERFILETRK, BIDDAYOFFER and BIDOFFERPERIOD) facilitate ancillary service bidding and include energy bidding.

BIDDAYOFFER data is confidential to the submitting participant until made public after 4am the next day.

Source

BIDDAYOFFER updates as ancillary service bids are processed. BIDDAYOFFER includes all accepted energy and ancillary service bids.

Volume

Approximately 1,500,000 records per year

7.3.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

7.3.4 Primary Key Columns

Name
BIDTYPE
DIRECTION
DUID
OFFERDATE
SETTLEMENTDATE

7.3.5 Index Columns

Name

LASTCHANGED

7.3.6 Index Columns

Name

PARTICIPANTID

7.3.7 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
SETTLEMENTDATE	DATE	X	Market date for applying the bid
OFFERDATE	TIMESTAMP(3)	X	Time this bid was processed and loaded
DIRECTION	VARCHAR2(20)	X	The power flow direction to which this offer applies: GEN, LOAD or BIDIRECTIONAL
VERSIONNO	NUMBER(22,0)		Version No. for given offer date
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DAILYENERGYCONSTRAINT	NUMBER(12,6)		Maximum energy available from Energy Constrained Plant. (Energy Bids Only)
REBIDEXPLANATION	VARCHAR2(500)		Explanation for all rebids and inflexibilities
PRICEBAND1	NUMBER(9,2)		Price for Availability Band 1
PRICEBAND2	NUMBER(9,2)		Price for Availability Band 2
PRICEBAND3	NUMBER(9,2)		Price for Availability Band 3
PRICEBAND4	NUMBER(9,2)		Price for Availability Band 4
PRICEBAND5	NUMBER(9,2)		Price for Availability Band 5
PRICEBAND6	NUMBER(9,2)		Price for Availability Band 6

PRICEBAND7	NUMBER(9,2)		Price for Availability Band 6
PRICEBAND8	NUMBER(9,2)		Price for Availability Band 8
PRICEBAND9	NUMBER(9,2)		Price for Availability Band 9
PRICEBAND10	NUMBER(9,2)		Price for Availability Band 10
MINIMUMLOAD	NUMBER(22,0)		Minimum MW load fast start plant
T1	NUMBER(22,0)		Time to synchronise in minutes (Energy Bids Only)
T2	NUMBER(22,0)		Time to minimum load in minutes (Energy Bids Only)
T3	NUMBER(22,0)		Time at minimum load in minutes (Energy Bids Only)
T4	NUMBER(22,0)		Time to shutdown in minutes (Energy Bids Only)
NORMALSTATUS	VARCHAR2(3)		not used; was ON/OFF for loads (Energy Bids Only)
LASTCHANGED	DATE		Last date and time record changed
MR_FACTOR	NUMBER(16,6)		Mandatory Restriction Offer Factor
ENTRYTYPE	VARCHAR2(20)		Daily if processed before BidCutOff of previous day, otherwise REBID
REBID_EVENT_TIME	VARCHAR2(20)		The time of the event(s) or other occurrence(s) cited/adduced as the reason for the rebid. Required for rebids, not required for fixed load or low ramp rates. Expected in the format: HH:MM:SS e.g. 20:11:00
REBID_AWARE_TIME	VARCHAR2(20)		Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant became aware of the event(s) / occurrence(s) that prompted the rebid.Not validated by AEMO
REBID_DECISION_TIME	VARCHAR2(20)		Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant made the decision to rebid. Not validated by AEMO
REBID_CATEGORY	VARCHAR2(1)		Intended to support the Rebidding and Technical Parameters Guideline. A provided rebid category. Not validated by AEMO

REFERENCE_ID	VARCHAR2(100)		A participants unique Reference Id

7.4 Table: BIDDAYOFFER_D

7.4.1 BIDDAYOFFER_D

Name	BIDDAYOFFER_D
Comment	BIDDAYOFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDDAYOFFER_D is the parent table to BIDPEROFFER_D.

7.4.2 Description

BIDDAYOFFER_D data is made public after 4am the next day.

Source

BIDDAYOFFER_D updates as ancillary service bids are processed. BIDDAYOFFER_D shows latest accepted energy and ancillary service bids.

Volume

Summary - approximately 1,000 rows per day

7.4.3 Notes

Name	Comment	Value
Visibility		Public

7.4.4 Primary Key Columns

Name
BIDTYPE
DIRECTION
DUID
SETTLEMENTDATE

7.4.5 Index Columns

Name

LASTCHANGED

7.4.6 Index Columns

Name

PARTICIPANTID

7.4.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date for which the bid applied
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
DIRECTION	VARCHAR2(20)	X	The power flow direction to which this offer applies: GEN, LOAD or BIDIRECTIONAL
BIDSETTLEMENTDATE	DATE		Market date for which the bid was submitted.
OFFERDATE	DATE		Offer date and time
VERSIONNO	NUMBER(22,0)		Version No. for given offer date
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DAILYENERGYCONSTRAINT	NUMBER(12,6)		Maximum energy available from Energy Constrained Plant. (Energy Bids Only)
REBIDEXPLANATION	VARCHAR2(500)		Explanation for all rebids and inflexibilities
PRICEBAND1	NUMBER(9,2)		Price for Availability Band 1
PRICEBAND2	NUMBER(9,2)		Price for Availability Band 2
PRICEBAND3	NUMBER(9,2)		Price for Availability Band 3
PRICEBAND4	NUMBER(9,2)		Price for Availability Band 4
PRICEBAND5	NUMBER(9,2)		Price for Availability Band 5

PRICEBAND6	NUMBER(9,2)		Price for Availability Band 6
PRICEBAND7	NUMBER(9,2)		Price for Availability Band 7
PRICEBAND8	NUMBER(9,2)		Price for Availability Band 8
PRICEBAND9	NUMBER(9,2)		Price for Availability Band 9
PRICEBAND10	NUMBER(9,2)		Price for Availability Band 10
MINIMUMLOAD	NUMBER(22,0)		Minimum MW load fast start plant
T1	NUMBER(22,0)		Time to synchronise in minutes (Energy Bids Only)
T2	NUMBER(22,0)		Time to minimum load in minutes (Energy Bids Only)
T3	NUMBER(22,0)		Time at minimum load in minutes (Energy Bids Only)
T4	NUMBER(22,0)		Time to shutdown in minutes (Energy Bids Only)
NORMALSTATUS	VARCHAR2(3)		ON/OFF for loads (Energy Bids Only)
LASTCHANGED	DATE		Last date and time record changed
MR_FACTOR	NUMBER(16,6)		Mandatory Restriction Scaling Factor
ENTRYTYPE	VARCHAR2(20)		Daily if processed before BidCutOff of previous day, otherwise REBID

7.5 Table: BIDOFFERFILETRK

7.5.1 BIDOFFERFILETRK

Name	BIDOFFERFILETRK
Comment	BIDOFFERFILETRK shows an audit trail of all files submitted containing ENERGY/FCAS/MNSP bid, including corrupt bids and rebids.

7.5.2 Description

BIDOFFERFILETRK data is confidential to the submitting participant.

The new ancillary service arrangements require availability and prices for each Frequency Control Ancillary Service to be bid on a similar basis to energy. Three new tables facilitate ancillary service bidding. The new tables (BIDOFFERFILETRK, BIDDAYOFFER and BIDOFFERPERIOD) are similar in structure to energy bidding

tables (OFFERFILETRK, DAYOFFER and PEROFFER). The significant differences with the new tables are.

- The OFFERDATE field reflects the time the bid was loaded and this field alone provides the key for versioning of bids. The VERSIONNO field is retained for participant use as information only.
- The new tables support bids for multiple services. The BIDTYPE field defines the service to which the bid applies.
- There are no default bids. In the absence of a bid for a specific settlement date, the latest bid submitted for a previous settlement date applies.

Source

This data is updated as bids are processed. It includes all bids submitted including corrupt bids.

Volume

Approximately 100,000 records per year

Note

Confirmation is via CSV bid acknowledgement file

7.5.3 Notes

Name	Comment	Value
Visibility		Private

7.5.4 Primary Key Columns

Name
FILENAME

7.5.5 Primary Key Columns

Name
OFFERDATE
PARTICIPANTID

7.5.6 Index Columns

Name
LASTCHANGED

7.5.7 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
OFFERDATE	TIMESTAMP(3)	X	Time this bid was processed and loaded
FILENAME	VARCHAR2(80)	X	Submitted file name
STATUS	VARCHAR2(10)		Load status [SUCCESSFUL/CORRUPT]
LASTCHANGED	DATE		Last date and time record changed
AUTHORISEDBY	VARCHAR2(20)		Participant agent who created the Offer
AUTHORISEDDATE	DATE		When the Offer was processed - synonymous with LastChanged
TRANSACTION_ID	VARCHAR2(100)		A GUID used to identify the submission transaction in AEMOs systems
REFERENCE_ID	VARCHAR2(100)		A participant provided reference, which is required to be unique per submission (for a PARTICIPANTID)
SUBMISSION_TIMESTAMP	DATE		The participant provided date/time for the submission
COMMENTS	VARCHAR2(1000)		A participant provided comment
SUBMISSION_METHOD	VARCHAR2(20)		Method by which this submission was made typically FTP, API, WEB

7.6 Table: BIDOFFERPERIOD

7.6.1 BIDOFFERPERIOD

Name	BIDOFFERPERIOD
Comment	BIDOFFERPERIOD shows 5-minute period-based Energy and Ancillary Service bid data.BIDOFFERPERIOD is a child table of BIDDAYOFFER

7.6.2 Notes

Name	Comment	Value

Visibility	Private & Public Next-Day

7.6.3 Primary Key Columns

Name

BIDTYPE

DIRECTION

DUID

OFFERDATETIME

PERIODID

TRADINGDATE

7.6.4 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(20)	X	Dispatchable Unit ID
BIDTYPE	VARCHAR2(10)	X	The type of bid, one-of ENERGY, RAISE6SEC, RAISE60SEC, RAISE5MIN, RAISEREG, LOWER6SEC, LOWER60SEC, LOWER5MIN, LOWERREG
TRADINGDATE	DATE	X	The trading date this bid is for
OFFERDATETIME	TIMESTAMP(3)	X	Time this bid was processed and loaded
DIRECTION	VARCHAR2(20)	X	The power flow direction to which this offer applies: GEN, LOAD or BIDIRECTIONAL
PERIODID	NUMBER(3,0)	X	Period ID 1 to 288
MAXAVAIL	NUMBER(8,3)		Maximum availability for this BidType in this period
FIXEDLOAD	NUMBER(8,3)		Fixed unit output MW (Energy bids only) A null value means no fixed load so the unit is dispatched according to bid and market
RAMPUPRATE	NUMBER(6)		MW/Min for raise (Energy bids only)

RAMPDOWNRATE	NUMBER(6)		MW/Min for lower (Energy bids only)
ENABLEMENTMIN	NUMBER(8,3)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
ENABLEMENTMAX	NUMBER(8,3)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only)
LOWBREAKPOINT	NUMBER(8,3)		Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
HIGHBREAKPOINT	NUMBER(8,3)		Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
BANDAVAIL1	NUMBER(8,3)		Availability at price band 1
BANDAVAIL2	NUMBER(8,3)		Availability at price band 2
BANDAVAIL3	NUMBER(8,3)		Availability at price band 3
BANDAVAIL4	NUMBER(8,3)		Availability at price band 4
BANDAVAIL5	NUMBER(8,3)		Availability at price band 5
BANDAVAIL6	NUMBER(8,3)		Availability at price band 6
BANDAVAIL7	NUMBER(8,3)		Availability at price band 7
BANDAVAIL8	NUMBER(8,3)		Availability at price band 8
BANDAVAIL9	NUMBER(8,3)		Availability at price band 9
BANDAVAIL10	NUMBER(8,3)		Availability at price band 10
PASAAVAILABILITY	NUMBER(8,3)		Allows for future use for Energy bids, being the physical plant capability including any capability potentially available within 24 hours
ENERGYLIMIT	NUMBER(15,5)		The Energy limit applying at the end of this dispatch interval in MWh. For GEN this is a lower energy limit. For LOAD this is an upper energy limit
PERIODIDTO	NUMBER(3,0)		Period ID Ending
RECALL_PERIOD	NUMBER(8,3)		The advance notice(in hours) that a Scheduled Resource requires to achieve the PASA Availability MW for this trading interval

7.7 Table: BIDPEROFFER_D

7.7.1 BIDPEROFFER_D

Name	BIDPEROFFER_D
Comment	BIDPEROFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDPEROFFER_D is the child to BIDDAYOFFER_D.

7.7.2 Description

BIDPEROFFER_D is public data, so is available to all participants.

Source

BIDPEROFFER_D updates daily shortly after 4am.

See also BIDPEROFFER.

7.7.3 Notes

Name	Comment	Value
Visibility		Public

7.7.4 Primary Key Columns

Name
BIDTYPE
DIRECTION
DUID
INTERVAL_DATETIME
SETTLEMENTDATE

7.7.5 Index Columns

Name
LASTCHANGED

7.7.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date for which the bid applied
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
DIRECTION	VARCHAR2(20)	X	The power flow direction to which this offer applies: GEN, LOAD or BIDIRECTIONAL
INTERVAL_DATETIME	DATE	X	Date and Time of the dispatch interval to which the offer applied
BIDSETTLEMENTDATE	DATE		Market date for which the bid was submitted
OFFERDATE	DATE		Offer date and time
PERIODID	NUMBER(22,0)		The trading interval period identifier (1-288)
VERSIONNO	NUMBER(22,0)		Version number of offer
MAXAVAIL	NUMBER(12,6)		Maximum availability for this BidType in this period
FIXEDLOAD	NUMBER(12,6)		Fixed unit output MW (Energy Bids Only). A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load)
ROCUP	NUMBER(6,0)		MW/min for raise (Energy Bids Only)
ROCDOWN	NUMBER(6,0)		MW/Min for lower (Energy Bids Only)
ENABLEMENTMIN	NUMBER(6,0)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
ENABLEMENTMAX	NUMBER(6,0)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only)
LOWBREAKPOINT	NUMBER(6,0)		Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
HIGHBREAKPOINT	NUMBER(6,0)		Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
BANDAVAIL1	NUMBER(22,0)		Availability at price band 1

BANDAVAIL2	NUMBER(22,0)		Availability at price band 2
BANDAVAIL3	NUMBER(22,0)		Availability at price band 3
BANDAVAIL4	NUMBER(22,0)		Availability at price band 4
BANDAVAIL5	NUMBER(22,0)		Availability at price band 5
BANDAVAIL6	NUMBER(22,0)		Availability at price band 6
BANDAVAIL7	NUMBER(22,0)		Availability at price band 7
BANDAVAIL8	NUMBER(22,0)		Availability at price band 8
BANDAVAIL9	NUMBER(22,0)		Availability at price band 9
BANDAVAIL10	NUMBER(22,0)		Availability at price band 10
LASTCHANGED	DATE		Last date and time record changed
PASAAVAILABILITY	NUMBER(12,0)		Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours
MR_CAPACITY	NUMBER(6,0)		Mandatory Restriction Offer amount
ENERGYLIMIT	NUMBER(15,5)		The Energy limit applying at the end of this dispatch interval in MWh. For GEN this is a lower energy limit. For LOAD this is an upper energy limit
RECALL_PERIOD	NUMBER(8,3)		The advance notice (in hours) that a Scheduled Resource requires to achieve the PASA Availability MW for this trading interval.

7.8 Table: MNSP_BIDOFFERPERIOD

7.8.1 MNSP_BIDOFFERPERIOD

Name MNSP_BIDOFFERPERIOD

Comment MNSP_BIDOFFERPERIOD shows availability for 5-minute periods for a specific Bid and LinkID for the given Trading Date and period. MNSP_BIDOFFERPERIOD is a child to MNSP_DAYOFFER and links to BIDOFFERFILETRK for 5MS Bids.

7.8.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

7.8.3 Primary Key Columns

Name
LINKID
OFFERDATETIME
PERIODID
TRADINGDATE

7.8.4 Content

Name	Data Type	Mandatory	Comment
LINKID	VARCHAR2(20)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
TRADINGDATE	DATE	X	The trading date this bid is for
OFFERDATETIME	TIMESTAMP(3)	X	Time this bid was processed and loaded
PERIODID	NUMBER(3,0)	X	Period ID, 1 to 288
MAXAVAIL	NUMBER(8,3)		Maximum planned availability MW
FIXEDLOAD	NUMBER(8,3)		Fixed unit output, in MW. A value of NULL means no fixed load so the unit is dispatched according to bid and the market.
RAMPUPRATE	NUMBER(6)		Ramp rate (MW / min) in the positive direction of flow for this MNSP link for this half-hour period
BANDAVAIL1	NUMBER(8,3)		Availability at price band 1
BANDAVAIL2	NUMBER(8,3)		Availability at price band 2
BANDAVAIL3	NUMBER(8,3)		Availability at price band 3

BANDAVAIL4	NUMBER(8,3)		Availability at price band 4
BANDAVAIL5	NUMBER(8,3)		Availability at price band 5
BANDAVAIL6	NUMBER(8,3)		Availability at price band 6
BANDAVAIL7	NUMBER(8,3)		Availability at price band 7
BANDAVAIL8	NUMBER(8,3)		Availability at price band 8
BANDAVAIL9	NUMBER(8,3)		Availability at price band 9
BANDAVAIL10	NUMBER(8,3)		Availability at price band 10
PASAAVAILABILITY	NUMBER(8,3)		Allows for future use for Energy bids, being the physical plant capability including any capability potentially available within 24 hours
RECALL_PERIOD	NUMBER(8,3)		The advance notice(in hours) that a Scheduled Resource requires to achieve the PASA Availability MW for this trading interval

7.9 Table: MNSP_DAYOFFER

7.9.1 MNSP_DAYOFFER

Name	MNSP_DAYOFFER
Comment	MNSP_DAYOFFER updates as bids are processed. All bids are available as part of next day market data. MNSP_DAYOFFER is the parent table to MNSP_BIDOFFERPERIOD, and joins to BIDOFFERFILETRK for 5MS Bids.

7.9.2 Description

MNSP_DAYOFFER shows own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

Volume

4, 000 per year

7.9.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

7.9.4 Primary Key Columns

Name

LINKID

OFFERDATE

PARTICIPANTID

SETTLEMENTDATE

VERSIONNO

7.9.5 Index Columns

Name

LASTCHANGED

7.9.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market Date from which bid is active
OFFERDATE	TIMESTAMP(3)	X	Time this bid was processed and loaded
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
LINKID	VARCHAR2(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
ENTRYTYPE	VARCHAR2(20)		Bid type. Either Rebid or Daily
REBIDEXPLANATION	VARCHAR2(500)		Explanation for all rebids and inflexibilities
PRICEBAND1	NUMBER(9,2)		Price for Availability Band 1
PRICEBAND2	NUMBER(9,2)		Price for Availability Band 2

PRICEBAND3	NUMBER(9,2)		Price for Availability Band 3
PRICEBAND4	NUMBER(9,2)		Price for Availability Band 4
PRICEBAND5	NUMBER(9,2)		Price for Availability Band 5
PRICEBAND6	NUMBER(9,2)		Price for Availability Band 6
PRICEBAND7	NUMBER(9,2)		Price for Availability Band 7
PRICEBAND8	NUMBER(9,2)		Price for Availability Band 8
PRICEBAND9	NUMBER(9,2)		Price for Availability Band 9
PRICEBAND10	NUMBER(9,2)		Price for Availability Band 10
LASTCHANGED	DATE		Last date and time record changed
MR_FACTOR	NUMBER(16,6)		Mandatory Restriction Offer Factor
REBID_EVENT_TIME	VARCHAR2(20)		The time of the event(s) or other occurrence(s) cited/adduced as the reason for the rebid. Required for rebids, not required for fixed load or low ramp rates. Expected in the format: HH:MM:SS e.g. 20:11:00
REBID_AWARE_TIME	VARCHAR2(20)		Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant became aware of the event(s) / occurrence(s) that prompted the rebid. Not validated by AEMO
REBID_DECISION_TIME	VARCHAR2(20)		Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant made the decision to rebid. Not validated by AEMO
REBID_CATEGORY	VARCHAR2(1)		Intended to support the Rebidding and Technical Parameters Guideline. A provided rebid category. Not validated by AEMO
REFERENCE_ID	VARCHAR2(100)		A participants unique Reference Id

7.10 Table: MTPASA_OFFERDATA

7.10.1 MTPASA_OFFERDATA

Name MTPASA_OFFERDATA

Comment	Participant submitted Offers for MTPASA process

7.10.2 Notes

Name	Comment	Value
Visibility		Private

7.10.3 Primary Key Columns

Name

EFFECTIVEDATE

OFFERDATETIME

PARTICIPANTID

UNITID

7.10.4 Index Columns

Name

LASTCHANGED

7.10.5 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(20)	X	Unique participant identifier
OFFERDATETIME	DATE	X	Date time file processed
UNITID	VARCHAR2(20)	X	either duid or mnsp linkid
EFFECTIVEDATE	DATE	X	trade date when the offer becomes effective
ENERGY	NUMBER(9)		weekly energy constraint value
CAPACITY1	NUMBER(9)		capacity value day 1 (sunday)
CAPACITY2	NUMBER(9)		capacity value day 2 (monday)

CAPACITY3	NUMBER(9)		capacity value day 3 (tuesday)
CAPACITY4	NUMBER(9)		capacity value day 4 (wednesday)
CAPACITY5	NUMBER(9)		capacity value day 5 (thursday)
CAPACITY6	NUMBER(9)		capacity value day 6 (friday)
CAPACITY7	NUMBER(9)		capacity value day 7 (saturday)
LASTCHANGED	DATE		timestamp when record last changed
UNITSTATE1	VARCHAR2(20)		The unit state value for day 1 Sunday
UNITSTATE2	VARCHAR2(20)		The unit state value for day 2 Monday
UNITSTATE3	VARCHAR2(20)		The unit state value for day 3 Tuesday
UNITSTATE4	VARCHAR2(20)		The unit state value for 4 Wednesday
UNITSTATE5	VARCHAR2(20)		The unit state value for day 5 Thursday
UNITSTATE6	VARCHAR2(20)		The unit state value for day 6 Friday
UNITSTATE7	VARCHAR2(20)		The unit state value for day 7 Saturday
RECALLTIME1	NUMBER(4)		The recall time associated with the unit state for day 1 Sunday
RECALLTIME2	NUMBER(4)		The recall time associated with the unit state for day 2 Monday
RECALLTIME3	NUMBER(4)		The recall time associated with the unit state for day 3 Tuesday
RECALLTIME4	NUMBER(4)		The recall time associated with the unit state for day 4 Wednesday
RECALLTIME5	NUMBER(4)		The recall time associated with the unit state for day 5 Thursday
RECALLTIME6	NUMBER(4)		The recall time associated with the unit state for day 6 Friday
RECALLTIME7	NUMBER(4)		The recall time associated with the unit state for day 7 Saturday

7.11 Table: MTPASA_OFFERFILETRK

7.11.1 MTPASA_OFFERFILETRK

Name	MTPASA_OFFERFILETRK
Comment	Participant submitted Offers for MTPASA process

7.11.2 Description

MTPASA_OFFERFILETRK is confidential to the relevant participant.

Source

MTPASA_OFFERFILETRK updates for every submitted MTPASA bid.

Volume

4000 per year, being one per bid containing an MTPASA bid

7.11.3 Notes

Name	Comment	Value
Visibility		Private

7.11.4 Primary Key Columns

Name
OFFERDATETIME
PARTICIPANTID

7.11.5 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(20)	X	Unique participant identifier
OFFERDATETIME	DATE	X	Date time file processed
FILENAME	VARCHAR2(200)		Submitted file name

8 Package: BILLING_CONFIG

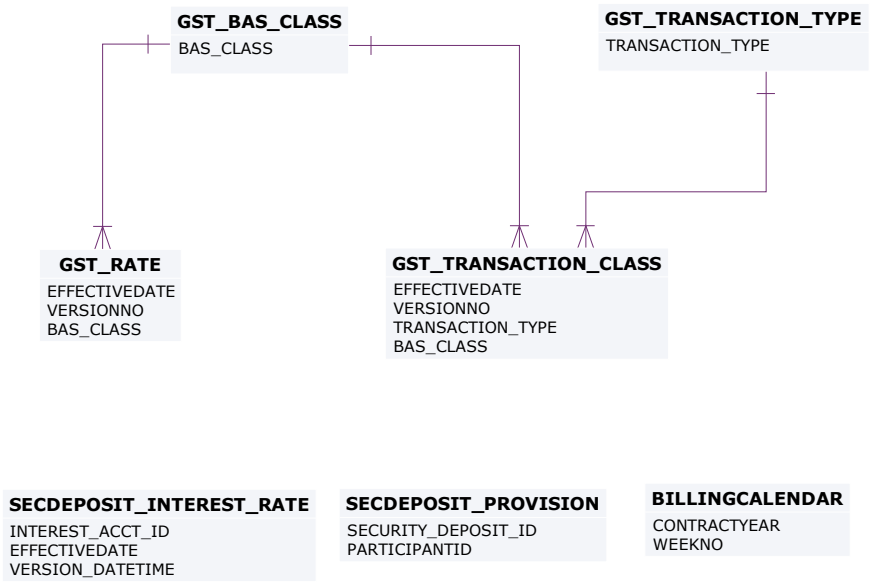
Name BILLING_CONFIG

Comment Configuration data for the Billing Process

8.1 List of tables

Name	Comment	Visibility
BILLINGCALENDAR	BILLINGCALENDAR sets out the billing calendar for the year, with week number 1 starting on 1 January. BILLINGCALENDAR advises preliminary and final statement posting date and corresponding settlement for each billing week.	Public
GST_BAS_CLASS	GST_BAS_CLASS contains a static list of BAS (Business Activity Statement) classifications supported by the MMS.	Public
GST_RATE	GST_RATE maintains the GST rates on a BAS (Business Activity Statement) class basis.	Public
GST_TRANSACTION_CLASS	GST_TRANSACTION_CLASS maps NEM settlement transaction types with BAS (Business Activity Statement) classifications.	Public
GST_TRANSACTION_TYPE	GST_TRANSACTION_TYPE shows a static list of transaction types supported by the MMS.	Public
SECDEPOSIT_INTEREST_RATE	The security deposit interest rate on a daily basis. This is the public table published when the business enter and authorise a new daily interest rate	Public
SECDEPOSIT_PROVISION	The security deposit provision entry details	Private

8.2 Diagram: Entities: Billing Config



8.3 Table: BILLINGCALENDAR

8.3.1 BILLINGCALENDAR

Name	BILLINGCALENDAR
Comment	BILLINGCALENDAR sets out the billing calendar for the year, with week number 1 starting on 1 January. BILLINGCALENDAR advises preliminary and final statement posting date and corresponding settlement for each billing week.

8.3.2 Description

BILLINGCALENDAR is public data, and is available to all participants.

Source

Infrequently, only when inserting billing weeks for a future contractyear.

Volume

52-53 records inserted per contractyear

8.3.3 Notes

Name	Comment	Value
Visibility		Public

8.3.4 Primary Key Columns

Name
CONTRACTYEAR
WEEKNO

8.3.5 Index Columns

Name
LASTCHANGED

8.3.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
STARTDATE	DATE		Start Date of week
ENDDATE	DATE		End Date of week
PRELIMINARYSTATEMENTDATE	DATE		Preliminary Statement Date
FINALSTATEMENTDATE	DATE		Final Statement Date
PAYMENTDATE	DATE		Payment Date
LASTCHANGED	DATE		Last date and time record changed
REVISION1_STATEMENTDATE	DATE		Revision 1 Statement Date for the billing week.
REVISION2_STATEMENTDATE	DATE		Revision 2 Statement Date for the billing week.
REVISION0_STATEMENTDATE	DATE		Revision 0 Statement Date for the billing week.
REVISIONS_ATTACHED_TO_FINAL	VARCHAR2(50)		The list of Revisions that are attached in the FINAL Statement of the week
REV0_FINAL_ATTACH_WEEK	VARCHAR2(10)		The FINAL Week where the R0 will be attached.
REV0_PAYMENT_DATE	DATE		The payment date of the FINAL week in REV0_FINAL_ATTACH_WEEK.
REV1_FINAL_ATTACH_WEEK	VARCHAR2(10)		The FINAL Week where the R1 will be attached.
REV1_PAYMENT_DATE	DATE		The payment date of the FINAL week in REV1_FINAL_ATTACH_WEEK.
REV2_FINAL_ATTACH_WEEK	VARCHAR2(10)		The FINAL Week where the R2 will be attached.
REV2_PAYMENT_DATE	DATE		The payment date of the FINAL week in REV2_FINAL_ATTACH_WEEK.

8.4 Table: GST_BAS_CLASS

8.4.1 GST_BAS_CLASS

Name	GST_BAS_CLASS
Comment	GST_BAS_CLASS contains a static list of BAS (Business Activity Statement) classifications supported by the MMS.

8.4.2 Description

GST_BAS_CLASS data is public to all participants.

8.4.3 Notes

Name	Comment	Value
Visibility		Public

8.4.4 Primary Key Columns

Name
BAS_CLASS

8.4.5 Index Columns

Name
LASTCHANGED

8.4.6 Content

Name	Data Type	Mandatory	Comment
BAS_CLASS	VARCHAR2(30)	X	The BAS classification
DESCRIPTION	VARCHAR2(100)		Description of the BAS classification
LASTCHANGED	DATE		Last date and time the record changed

8.5 Table: GST_RATE

8.5.1 GST_RATE

Name	GST_RATE
Comment	GST_RATE maintains the GST rates on a BAS (Business Activity Statement) class basis.

8.5.2 Description

GST_RATE data is public to all participants.

8.5.3 Notes

Name	Comment	Value
Visibility		Public

8.5.4 Primary Key Columns

Name
BAS_CLASS
EFFECTIVEDATE
VERSIONNO

8.5.5 Index Columns

Name
LASTCHANGED

8.5.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date of the data set
VERSIONNO	NUMBER(3,0)	X	The version number of the data set
BAS_CLASS	VARCHAR2(30)	X	The BAS classification

GST_RATE	NUMBER(8,5)		The GST rate that applies to this BAS classification
LASTCHANGED	DATE		Last date and time the record changed

8.6 Table: GST_TRANSACTION_CLASS

8.6.1 GST_TRANSACTION_CLASS

Name	GST_TRANSACTION_CLASS
Comment	GST_TRANSACTION_CLASS maps NEM settlement transaction types with BAS (Business Activity Statement) classifications.

8.6.2 Description

GST_TRANSACTION_CLASS data is public to all participants.

Source

GST_TRANSACTION_CLASS updates infrequently, when new transactions are introduced to the NEM.

Volume

Generally volume is fewer than one hundred records.

8.6.3 Notes

Name	Comment	Value
Visibility		Public

8.6.4 Primary Key Columns

Name
BAS_CLASS
EFFECTIVEDATE
TRANSACTION_TYPE
VERSIONNO

8.6.5 Index Columns

Name

LASTCHANGED

8.6.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date of the data set
VERSIONNO	NUMBER(3,0)	X	The version number of the data set
TRANSACTION_TYPE	VARCHAR2(30)	X	NEM settlement transaction type
BAS_CLASS	VARCHAR2(30)	X	The BAS classification that the transaction type corresponds to
LASTCHANGED	DATE		Last date and time the record changed

8.7 Table: GST_TRANSACTION_TYPE

8.7.1 GST_TRANSACTION_TYPE

Name	GST_TRANSACTION_TYPE
Comment	GST_TRANSACTION_TYPE shows a static list of transaction types supported by the MMS.

8.7.2 Description

GST_TRANSACTION_TYPE data is public to all participants.

8.7.3 Notes

Name	Comment	Value
Visibility		Public

8.7.4 Primary Key Columns

Name

TRANSACTION_TYPE

8.7.5 Index Columns

Name

LASTCHANGED

8.7.6 Content

Name	Data Type	Mandatory	Comment
TRANSACTION_TYPE	VARCHAR2(30)	X	The transaction type
DESCRIPTION	VARCHAR2(100)		Description of the transaction type
GL_FINANCIALCODE	VARCHAR2(10)		
GL_TCODE	VARCHAR2(15)		
LASTCHANGED	DATE		Last date and time the record changed

8.8 Table: SECDEPOSIT_INTEREST_RATE

8.8.1 SECDEPOSIT_INTEREST_RATE

Name	SECDEPOSIT_INTEREST_RATE
Comment	The security deposit interest rate on a daily basis. This is the public table published when the business enter and authorise a new daily interest rate

8.8.2 Description

SECDEPOSIT_INTEREST_RATE data is public to all participants.

8.8.3 Notes

Name	Comment	Value
Visibility		Public

8.8.4 Primary Key Columns

Name

EFFECTIVEDATE

INTEREST_ACCT_ID

VERSION_DATETIME

8.8.5 Content

Name	Data Type	Mandatory	Comment
INTEREST_ACCT_ID	VARCHAR2(20)	X	The interest account ID for calculating the interest payment
EFFECTIVEDATE	DATE	X	The effective date of the interest rate change
VERSION_DATETIME	DATE	X	Date Time this record was added
INTEREST_RATE	NUMBER(18,8)		The interest rate for the interest account ID as on the effective date.

8.9 Table: SECDEPOSIT_PROVISION

8.9.1 SECDEPOSIT_PROVISION

Name	SECDEPOSIT_PROVISION
Comment	The security deposit provision entry details

8.9.2 Notes

Name	Comment	Value
Visibility		Private

8.9.3 Primary Key Columns

Name

PARTICIPANTID

SECURITY_DEPOSIT_ID

8.9.4 Content

Name	Data Type	Mandatory	Comment
SECURITY_DEPOSIT_ID	VARCHAR2(20)	X	The security deposit ID
PARTICIPANTID	VARCHAR2(20)	X	The Participant ID linked to the security deposit ID
TRANSACTION_DATE	DATE		The date the security deposit ID is entered and authorised by settlements
MATURITY_CONTRACTYEAR	NUMBER(4,0)		The contract year of the billing week when the security deposit is maturing
MATURITY_WEEKNO	NUMBER(3,0)		The week no of the billing week when the security deposit is maturing
AMOUNT	NUMBER(18,8)		The security deposit amount
INTEREST_RATE	NUMBER(18,8)		The interest rate assigned to the security deposit ID. Null if INTEREST_CALC_TYPE <> FIXED
INTEREST_CALC_TYPE	VARCHAR2(20)		FIXED OR DAILY
INTEREST_ACCT_ID	VARCHAR2(20)		The Interest Account ID for calculating the Interest Payment. This is NULL if the INTEREST_CALC_TYPE = FIXED

9 Package: BILLING_RUN

Name BILLING_RUN

Comment Results from a published Billing Run. The settlement data and billing run data are updated daily between 6am and 8am for AEMO's prudential processes. In a normal week, AEMO publishes one PRELIM, one FINAL and two REVISION runs in addition to the daily runs.

Each billing run is uniquely identified by contract year, week no and bill run no.

9.1 List of tables

Name	Comment	Visibility
BILLING_APC_COMPENSATION	Billing result table for APC compensation payments.	Private
BILLING_APC_RECOVERY	Billing result table for recovery of APC compensation payments	Private
BILLING_CASHSEC_INTEREST_PAY	Indicates the amount of cash security interest payment the participant receives	Private
BILLING_CO2E_PUBLICATION	Carbon Dioxide Intensity Index publication table	Public
BILLING_CO2E_PUBLICATION_TRK	Carbon Dioxide Intensity Index publication tracking table	Public
BILLING_DAILY_ENERGY_SUMMARY	Billing result table containing daily summary data for customer and generator energy amounts	Private
BILLING_DIR_FINAL_AMOUNT	The Billing Final Directions Payment Amount for Directed/Affected/Eligible participants	Private
BILLING_DIR_FINAL_RECOVERY	The Billing Final Directions Recovery Amount for the participants	Private
BILLING_DIR_PROV_AMOUNT	The Billing Provisional Directions Payment Amount for Directed/Affected/Eligible participants	Private
BILLING_DIR_PROV_RECOVERY	The Billing Provisional Directions Recovery Amount for the participants	Private
BILLING_DIR_RECOVERY_DETAIL	The Billing Directions Recovery Details for the participants	Private

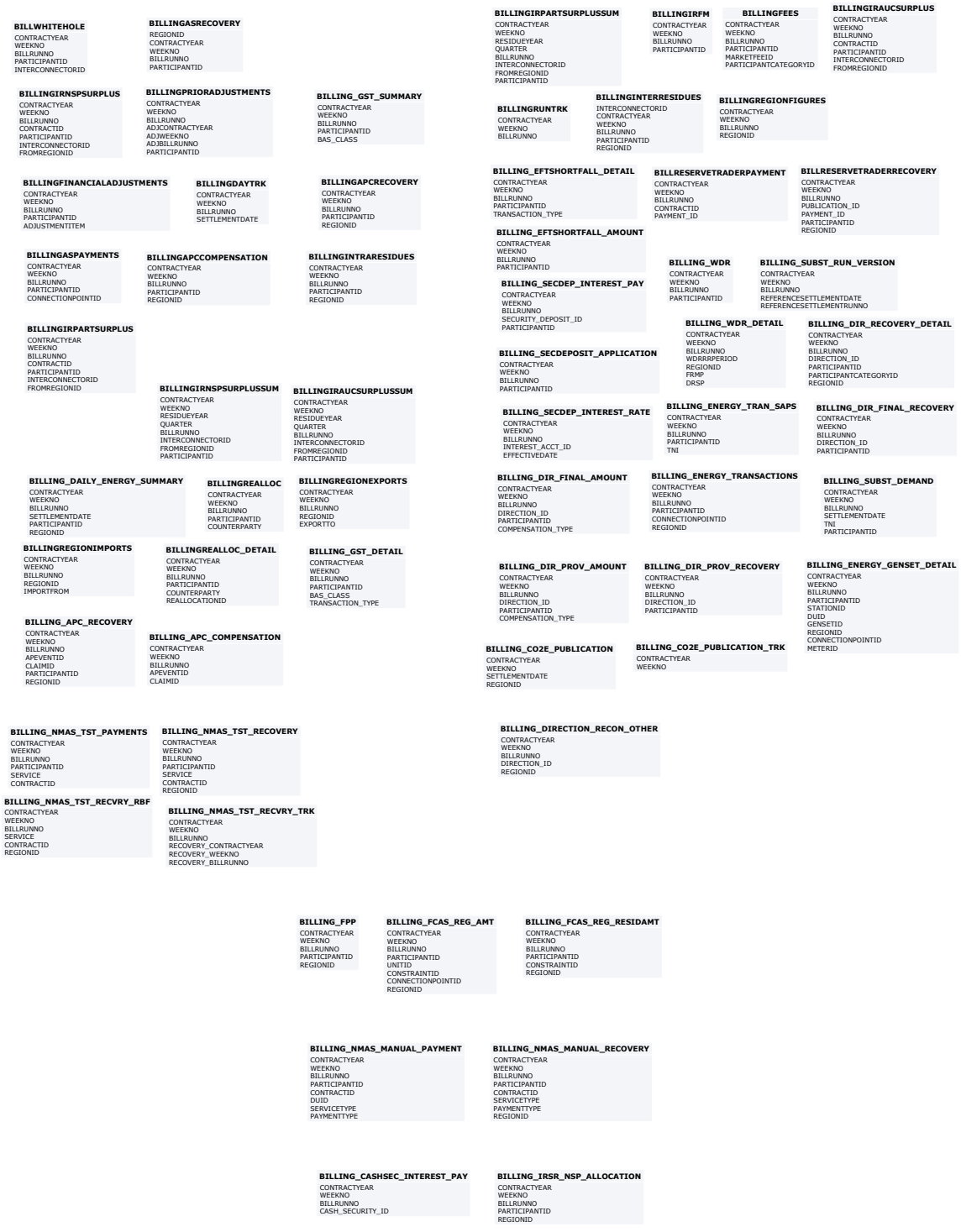
BILLING_DIRECTION_RECON_OTHER	Billing reconciliation result table for both provisional and final directions	Public
BILLING_EFTSHORTFALL_AMOUNT	The billing shortfall run amounts	Private
BILLING_EFTSHORTFALL_DETAIL	The Billing Shortfall Run Amount details	Private
BILLING_ENERGY_GENSET_DETAIL	The Billing Energy Genset report contains the Genset Energy detail summary for the Billing Week data	Private
BILLING_ENERGY_TRAN_SAPS	The SAP Billing Transaction Details for the Participants	Private
BILLING_ENERGY_TRANSACTIONS	The Billing Energy Transactions is the summary of the Settlement Energy Transactions that has the ACE and ASOE MWh and Dollar values that is used for the Statement	Private
BILLING_FCAS_REG_AMT	This report show the summary of the Billing run FCAS Regulation Amounts incl default amounts.	Private
BILLING_FCAS_REG_RESIDAMT	This report show the summary of the Billing run FCAS Regulation Residual Amounts incl default amounts	Private
BILLING_FPP	This report show the summary of the Billing run FPP Amounts for the week	Private
BILLING_GST_DETAIL	BILLING_GST_DETAIL shows the BAS class, GST_Exclusive and GST amount (if any) attributable to a participant for each transaction type.	Private
BILLING_GST_SUMMARY	BILLING_GST_SUMMARY shows the GST_Exclusive and GST amount (if any) attributable to a participant for each BAS class.	Private
BILLING_IRSR_NSP_ALLOCATION	The report is used to show the participants the negative residue amount to TNSP based on regional share	Private
BILLING_NMAS_MANUAL_PAYMENT	This report contains the NMAS Manual Weekly Payments that are uploaded by the Settlement Business Team. Amounts in this table are not calculated by the Settlement System.	Private
BILLING_NMAS_MANUAL_RECOVERY	This report shows the summary of the Billing NMAS Recovery Amounts. This table will have recovery data for manual payments for System Security Services.	Private
BILLING_NMAS_TST_PAYMENTS	BILLING_NMAS_TEST_PAYMENTS publish the NSCAS/SRAS Testing Payments data for a posted billing week. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the	Private

	implementation of all system changes. During this time descriptions in these tables may not be correct.	
BILLING_NMAS_TST_RECOVERY	BILLING_NMAS_TEST_RECOVERY sets out the recovery of NMAS testing payments This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
BILLING_NMAS_TST_RECVRY_RBF	BILLING_NMAS_TEST_RECVRY_RBF sets out the NSCAS/SRAS Testing Payment recovery data for the posted billing week.	Public
BILLING_NMAS_TST_RECVRY_TRK	BILLING_NMAS_TEST_RECVRY_TRK tracks the energy data used to allocate the test payment recovery over the recovery period. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Public
BILLING_SECDEP_INTEREST_PAY	The interest amount for security deposit calculated by billing, based on whether it is a fixed/floating rate	Private
BILLING_SECDEP_INTEREST_RATE	The DAILY interest rates used by billing when calculating the interest amount	Public
BILLING_SECDEPOSIT_APPLICATION	The security deposit application details	Private
BILLING_SUBST_DEMAND	Demand Values Substituted in Billing Calculation	Private
BILLING_SUBST_RUN_VERSION	Details of settlement runs used as input in the substitute demand calculation	Private
BILLING_WDR	Billing WDR Transaction Weekly Summary	Private
BILLING_WDR_DETAIL	Billing WDR transaction detail summary	Private
BILLINGAPCCOMPENSATION	BILLINGAPCCOMPENSATION shows Administered Price Cap (APC) compensation amounts for the billing period. Data is for each participant by region.	Private
BILLINGAPCRECOVERY	BILLINGAPCRECOVERY shows the Administered Price Cap (APC) Recovery for the billing period. Data is for each participant by region.	Private
BILLINGASPAYMENTS	BILLINGASPAYMENTS shows Ancillary Service payments for each billing period by each of the Ancillary Service types for each participant's	Private

	connection points.	
BILLINGASRECOVERY	BILLINGASRECOVERY shows participant charges for Ancillary Services for the billing period. This view shows the billing amounts for Ancillary Service Recovery.	Private
BILLINGDAYTRK	BILLINGDAYTRK is key for matching settlement versions with billing runs. BILLINGDAYTRK displays the billrunnos per billing week, and the settlement version numbers per settlement day comprising the billrunno.	Public
BILLINGFEES	BILLINGFEES presents pool fees applied to the statement, per billing run.	Private
BILLINGFINANCIALADJUSTMENTS	BILLINGFINANCIALADJUSTMENTS contains any manual adjustments included in the billing run.	Private
BILLINGINTERRESIDUES	BILLINGINTERRESIDUES shows interregion residues payable to NSP.	Private
BILLINGINTRARESIDUES	BILLINGINTRARESIDUES shows intra-region settlement residue details for each Transmission Network Service Provider participant by region.	Private
BILLINGIRAUCSURPLUS	BILLINGIRAUCSURPLUS supports the Settlements Residue Auction, by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Network Service Providers (NSPs) from the amount not auctioned.	Private
BILLINGIRAUCSURPLUSSUM	BILLINGIRAUCSURPLUSSUM contains Auction fees and Settlements Residue Auction distribution that may arise from unpurchased auction units that accrue to Transmission Network Service Providers.	Private
BILLINGIRFM	BILLINGIRFM shows billing amounts associated with Industrial Relations Forced Majeure events for each participant.	Private
BILLINGIRNSPSURPLUS	BILLINGIRNSPSURPLUS supports the Settlements Residue Auction (SRA), by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Transmission Network Service Providers (TNSP) from the amount paid by participants (i.e. derogated amounts).	Private
BILLINGIRNSPSURPLUSSUM	BILLINGIRNSPSURPLUSSUM contains derogated payments made to TNSPs arising from the Settlements Residue Auction process.	Private

BILLINGIRPARTSURPLUS	BILLINGIRPARTSURPLUS supports the Settlements Residue Auction, by showing the weekly billing SRA distribution to Auction participants by Contract Identifier.	Private
BILLINGIRPARTSURPLUSSUM	BILLINGIRPARTSURPLUSSUM supports the Settlements Residue Auction, by showing the weekly billing SRA distribution and associated fees to Auction participants.	Private
BILLINGPRIORADJUSTMENTS	BILLINGPRIORADJUSTMENTS sets out prior period adjustments and associated interest inserted in subsequent Final Statements arising from Revision Statement postings.	Private
BILLINGREALLOC	BILLINGREALLOC shows reallocation contract values in each billing run, where participants have used reallocations.	Private
BILLINGREALLOC_DETAIL	Billing Reallocation Data aggregated by REALLOCATIONID for each billing run over the billing week.	Private
BILLINGREGIONEXPORTS	BILLINGREGIONEXPORTS sets out the region summary table of overall energy exported to and from each region for each billing run.	Public
BILLINGREGIONFIGURES	BILLINGREGIONFIGURES sets out additional summary region details including ancillary service amounts for each billing run.	Public
BILLINGREGIONIMPORTS	BILLINGREGIONIMPORTS sets out the region summary table of overall energy imported to and from each region for each billing run.	Public
BILLINGRUNTRK	BILLINGRUNTRK identifies the Statement type (i.e. Status of PRELIM, FINAL, REVISE) and date of the BillRunNo posted, per WeekNo. This provides a further extension of tracking data from the BILLINGDAYTRK table.	Public
BILLRESERVETRADERPAYMENT	Details of the RERT Usage and Availability Payments made to the participant.	Private
BILLRESERVETRADERRECOVERY	Provides details of the RERT Recovery Amount for the Market Customers.	Private
BILLWHITEHOLE	BILLWHITEHOLE shows white hole payments based on participant vs region demand.	Private

9.2 Diagram: Entities: Billing Run



9.3 Table: BILLING_APC_COMPENSATION

9.3.1 BILLING_APC_COMPENSATION

Name	BILLING_APC_COMPENSATION
Comment	Billing result table for APC compensation payments.

9.3.2 Description

Updated with each billing run

9.3.3 Notes

Name	Comment	Value
Visibility		Private

9.3.4 Primary Key Columns

Name
APEVENTID
BILLRUNNO
CLAIMID
CONTRACTYEAR
WEEKNO

9.3.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week number
BILLRUNNO	NUMBER(3)	X	Billing run number
APEVENTID	NUMBER(6)	X	AP Event Id

CLAIMID	NUMBER(6)	X	AP Event Claim Id
PARTICIPANTID	VARCHAR2(20)		Participant identifier
COMPENSATION_AMOUNT	NUMBER(18,8)		Payment amount to the participant
EVENT_TYPE	VARCHAR2(20)		The Administered Price Event Type. Valid values: ENERGY, FCAS, BOTH
COMPENSATION_TYPE	VARCHAR2(20)		The Type of Administered Price Compensation Claim. Valid values: DIRECT_COST, OTHER_COST
LASTCHANGED	DATE		The date and time of last changed record

9.4 Table: BILLING_APC_RECOVERY

9.4.1 BILLING_APC_RECOVERY

Name	BILLING_APC_RECOVERY
Comment	Billing result table for recovery of APC compensation payments

9.4.2 Description

Updated with each billing run

9.4.3 Notes

Name	Comment	Value
Visibility		Private

9.4.4 Primary Key Columns

Name
APEVENTID
BILLRUNNO
CLAIMID
CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

9.4.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week number
BILLRUNNO	NUMBER(3)	X	Billing run number
APEVENTID	NUMBER(6)	X	AP Event Id
CLAIMID	NUMBER(6)	X	AP Event Claim Id
PARTICIPANTID	VARCHAR2(20)	X	Participant identifier
REGIONID	VARCHAR2(20)	X	Region Identifier
RECOVERY_AMOUNT	NUMBER(18,8)		Recovery amount attributable to the participant in that region
ELIGIBILITY_START_INTERVAL	DATE		The starting half hourly interval for the eligibility period for recovery of APC Payment
ELIGIBILITY_END_INTERVAL	DATE		The ending half hourly interval for the eligibility period for recovery of APC Payment
PARTICIPANT_DEMAND	NUMBER(18,8)		The participant demand in the cost recovery region
REGION_DEMAND	NUMBER(18,8)		The sum of demand of all participants in the cost recovery region (Region Sum)
LASTCHANGED	DATE		The date and time of last changed record
PARTICIPANT_ACE_MWH	NUMBER(18,8)		The ACE MWh value of the participant from the Eligibility Interval used for the APC Recovery Calculation. If the Billing Week is prior to the IESS rule effective date, then value is Null.
REGION_ACE_MWH	NUMBER(18,8)		The ACE MWh value of the Region from the Eligibility Interval used for the APC Recovery

			Calculation. This is the sum of the ACE MWh of all the participants in that recovery. If the Billing Week is prior to the IESS rule effective date, then value is Null.

9.5 Table: BILLING_CASHSEC_INTEREST_PAY

9.5.1 BILLING_CASHSEC_INTEREST_PAY

Name	BILLING_CASHSEC_INTEREST_PAY
Comment	Indicates the amount of cash security interest payment the participant receives

9.5.2 Notes

Name	Comment	Value
Visibility		Private

9.5.3 Primary Key Columns

Name
BILLRUNNO
CASH_SECURITY_ID
CONTRACTYEAR
WEEKNO

9.5.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	ContractYear/ WeekNo/ BillRunNo for the Interest payment
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
CASH_SECURITY_ID	VARCHAR2(20)	X	The Cash Security ID

PARTICIPANTID	VARCHAR2(20)		Unique identifier for the Participant lodging the cash security
CASH_AMOUNT	NUMBER(18,8)		Dollar amount of the cash security
INTEREST_ACCT_ID	VARCHAR2(20)		The interest account ID for calculating the interest payment
INTEREST_AMOUNT	NUMBER(18,8)		Interest amount calculated for the billing week
LASTCHANGED	DATE		The last changed date time of the record

9.6 Table: BILLING_CO2E_PUBLICATION

9.6.1 BILLING_CO2E_PUBLICATION

Name	BILLING_CO2E_PUBLICATION
Comment	Carbon Dioxide Intensity Index publication table

9.6.2 Notes

Name	Comment	Value
Visibility		Public

9.6.3 Primary Key Columns

Name
CONTRACTYEAR
REGIONID
SETTLEMENTDATE
WEEKNO

9.6.4 Index Columns

Name
CONTRACTYEAR

WEEKNO

SETTLEMENTDATE

REGIONID

9.6.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week no
BILLRUNNO	NUMBER(3)	X	Billing run no
SETTLEMENTDATE	DATE	X	Settlement Date (Calendar)
REGIONID	VARCHAR(20)	X	Region identifier
SENTOUTENERGY	NUMBER(18,8)		Total sent out energy for region (MWh)
GENERATOREMISSIONS	NUMBER(18,8)		Total generator emissions for region (Co2-e)
INTENSITYINDEX	NUMBER(18,8)		Carbon Dioxide Intensity index for region (CO2-e/MWh)

9.7 Table: BILLING_CO2E_PUBLICATION_TRK

9.7.1 BILLING_CO2E_PUBLICATION_TRK

Name BILLING_CO2E_PUBLICATION_TRK

Comment Carbon Dioxide Intensity Index publication tracking table

9.7.2 Notes

Name	Comment	Value
Visibility		Public

9.7.3 Primary Key Columns

Name

CONTRACTYEAR

WEEKNO

9.7.4 Index Columns

Name

CONTRACTYEAR

WEEKNO

9.7.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week no
BILLRUNNO	NUMBER(3)		Billing run no
LASTCHANGED	DATE		Last changed date time

9.8 Table: BILLING_DAILY_ENERGY_SUMMARY

9.8.1 BILLING_DAILY_ENERGY_SUMMARY

Name	BILLING_DAILY_ENERGY_SUMMARY
Comment	Billing result table containing daily summary data for customer and generator energy amounts

9.8.2 Description

BILLING_DAILY_ENERGY_SUMMARY data is confidential to the relevant participant.

Source

Populated by the posting of a billing run.

Volume

Approximately 20 records per billrunno.

9.8.3 Notes

Name	Comment	Value
Visibility		Private

9.8.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
SETTLEMENTDATE
WEEKNO

9.8.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing Contract Year
WEEKNO	NUMBER(3,0)	X	Billing Week number
BILLRUNNO	NUMBER(3,0)	X	Billing Run number
SETTLEMENTDATE	DATE	X	settlement date
PARTICIPANTID	VARCHAR2(20)	X	participant identifier
REGIONID	VARCHAR2(20)	X	Unique Region Identifier
CUSTOMER_ENERGY_PURCHASED	NUMBER(18,8)		Customer energy amount purchased on this settlement day by the participant in the region. NULL for Billing Week post the IESS rule effective date.

GENERATOR_ENERGY_SOLD	NUMBER(18,8)		Generator energy amount sold on this settlement day by the participant in the region. NULL for Billing Week post the IESS rule effective date.
GENERATOR_ENERGY_PURCHASED	NUMBER(18,8)		Generator energy amount purchased on this settlement day by the participant in the region. NULL for Billing Week post the IESS rule effective date.
ACE_MWH	NUMBER(18,8)		The Sum of ACE MWh value for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
ASOE_MWH	NUMBER(18,8)		The Sum of ASOE MWh value for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
ACE_AMOUNT	NUMBER(18,8)		The Sum of ACE Amount for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
ASOE_AMOUNT	NUMBER(18,8)		The Sum of ASOE Amount for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
CE_MWH	NUMBER(18,8)		The Sum of CE MWh value for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
UFEA_MWH	NUMBER(18,8)		The Sum of UFEA MWh value for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
TOTAL_MWH	NUMBER(18,8)		The Sum of Total MWh value for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date
TOTAL_AMOUNT	NUMBER(18,8)		The Sum of Total Amount for the Participant and region for the Settlement Date. NULL for Billing Week prior to the IESS rule effective date

9.9 Table: BILLING_DIR_FINAL_AMOUNT

9.9.1 BILLING_DIR_FINAL_AMOUNT

Name	BILLING_DIR_FINAL_AMOUNT
Comment	The Billing Final Directions Payment Amount for Directed/Affected/Eligible participants

9.9.2 Notes

Name	Comment	Value
Visibility		Private

9.9.3 Primary Key Columns

Name
BILLRUNNO
COMPENSATION_TYPE
CONTRACTYEAR
DIRECTION_ID
PARTICIPANTID
WEEKNO

9.9.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
DIRECTION_ID	VARCHAR2(20)	X	The Direction Unique Identifier
PARTICIPANTID	VARCHAR2(20)	X	The Direction Payment Participant ID

COMPENSATION_TYPE	VARCHAR2(40)	X	The Direction Payment Type, Directed_Comp, Affected_Comp, Eligible_Comp.
PROVISIONAL_AMOUNT	NUMBER(18,8)		The Direction Provisional Payment Amount
FINAL_AMOUNT	NUMBER(18,8)		The Direction Final Payment Amount
LASTCHANGED	DATE		The Last datetime record is updated

9.10 Table: BILLING_DIR_FINAL_RECOVERY

9.10.1 BILLING_DIR_FINAL_RECOVERY

Name BILLING_DIR_FINAL_RECOVERY

Comment The Billing Final Directions Recovery Amount for the participants

9.10.2 Notes

Name	Comment	Value
Visibility		Private

9.10.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

PARTICIPANTID

WEEKNO

9.10.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year

WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
DIRECTION_ID	VARCHAR2(20)	X	The Direction Unique Identifier
PARTICIPANTID	VARCHAR2(20)	X	The Direction Payment Participant ID
CRA_AMOUNT	NUMBER(18,8)		The Direction Compensation Recovery Amount
PROVISIONAL_AMOUNT	NUMBER(18,8)		The Provisional Recovery Amount
FINAL_AMOUNT	NUMBER(18,8)		The Final Recovery Amount
LASTCHANGED	DATE		The Last datetime record is updated

9.11 Table: BILLING_DIR_PROV_AMOUNT

9.11.1 BILLING_DIR_PROV_AMOUNT

Name BILLING_DIR_PROV_AMOUNT

Comment The Billing Provisional Directions Payment Amount for Directed/Affected/Eligible participants

9.11.2 Notes

Name	Comment	Value
Visibility		Private

9.11.3 Primary Key Columns

Name

BILLRUNNO

COMPENSATION_TYPE

CONTRACTYEAR

DIRECTION_ID

PARTICIPANTID

WEEKNO

9.11.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
DIRECTION_ID	VARCHAR2(20)	X	The Direction Unique Identifier
PARTICIPANTID	VARCHAR2(20)	X	The Direction Payment Participant ID
COMPENSATION_TYPE	VARCHAR2(40)	X	The Direction Payment Type, Directed_Comp, Affected_Comp, Eligible_Comp
COMPENSATION_AMOUNT	NUMBER(18,8)		The Direction Payment Amount
LASTCHANGED	DATE		The Last datetime record is updated

9.12 Table: BILLING_DIR_PROV_RECOVERY

9.12.1 BILLING_DIR_PROV_RECOVERY

Name BILLING_DIR_PROV_RECOVERY

Comment The Billing Provisional Directions Recovery Amount for the participants

9.12.2 Notes

Name	Comment	Value
Visibility		Private

9.12.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

PARTICIPANTID

WEEKNO

9.12.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
DIRECTION_ID	VARCHAR2(20)	X	The Direction Unique Identifier
PARTICIPANTID	VARCHAR2(20)	X	The Direction Payment Participant ID
CRA_AMOUNT	NUMBER(18,8)		The Direction Compensation Recovery Amount
RECOVERY_AMOUNT	NUMBER(18,8)		The Direction Recovery Amount
LASTCHANGED	DATE		The Last datetime record is updated

9.13 Table: BILLING_DIR_RECOVERY_DETAIL

9.13.1 BILLING_DIR_RECOVERY_DETAIL

Name BILLING_DIR_RECOVERY_DETAIL

Comment The Billing Directions Recovery Details for the participants

9.13.2 Notes

Name	Comment	Value
Visibility		Private

9.13.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

PARTICIPANTCATEGORYID

PARTICIPANTID

REGIONID

WEEKNO

9.13.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
DIRECTION_ID	VARCHAR2(20)	X	The Direction Unique Identifier
PARTICIPANTID	VARCHAR2(20)	X	The Direction Payment Participant ID
PARTICIPANTCATEGORYID	VARCHAR2(20)	X	The Participant Category for recovery Customer/Generator /SmallGen
REGIONID	VARCHAR2(20)	X	The Region ID for the recovery
RECOVERY_AMOUNT	NUMBER(18,8)		The Direction Recovery Amount
RECOVERY_ENERGY	NUMBER(18,8)		The Energy Value used for the Recovery
REGION_ENERGY	NUMBER(18,8)		The total Energy at the Region ID
EXCLUDED_ENERGY	NUMBER(18,8)		The Energy Value (Scheduled Loads) that is excluded
LASTCHANGED	DATE		The Last datetime record is updated

9.14 Table: BILLING_DIRECTION_RECON_OTHER

9.14.1 BILLING_DIRECTION_RECON_OTHER

Name	BILLING_DIRECTION_RECON_OTHER
Comment	Billing reconciliation result table for both provisional and final directions

9.14.2 Notes

Name	Comment	Value
Visibility		Public

9.14.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
DIRECTION_ID
REGIONID
WEEKNO

9.14.4 Index Columns

Name
CONTRACTYEAR
WEEKNO
BILLRUNNO
DIRECTION_ID
REGIONID

9.14.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week no
BILLRUNNO	NUMBER(3)	X	Billing run no
DIRECTION_ID	VARCHAR2(20)	X	Direction identifier
REGIONID	VARCHAR2(20)	X	Region Identifier
DIRECTION_DESC	VARCHAR2(200)		Direction description
DIRECTION_TYPE_ID	VARCHAR2(20)		The service for which the direction occurred (ENERGY, ANCILLARY, NON_ENERGY_NON_AS, etc)
DIRECTION_START_DATE	DATE		Settlement day on which the direction starts
DIRECTION_END_DATE	DATE		Settlement day on which the direction ends. The same value for all regions
DIRECTION_START_INTERVAL	DATE		Dispatch interval in which the direction starts. The same value for all regions
DIRECTION_END_INTERVAL	DATE		Dispatch interval in which the direction ends. The same value for all regions
COMPENSATION_AMOUNT	NUMBER(18,8)		The final compensation amount for the direction. The same value for all regions
INTEREST_AMOUNT	NUMBER(18,8)		The interest amount calculated on the final compensation amount for the direction. The same value for all regions
INDEPENDENT_EXPERT_FEE	NUMBER(18,8)		The independent expert fee amount for the direction. The same value for all regions
CRA	NUMBER(18,8)		The total recovery amount for the direction. The same value for all regions
REGIONAL_CUSTOMER_ENERGY	NUMBER(18,8)		The total customer energy for this region, over the duration of the direction. NULL for Billing Week post the IESS rule effective date.
REGIONAL_GENERATOR_ENERGY	NUMBER(18,8)		The total generator energy for this region, over the duration of the direction. NULL for Billing Week post the IESS rule effective date.

REGIONAL_BENEFIT_FACTOR	NUMBER(18,8)		The regional benefit factor allocated to this region for the direction
REGION_ACE_MWH	NUMBER(18,8)		The Sum of ACE MWh value for the Region over the duration of the direction. NULL for Billing Week prior to the IESS rule effective date
REGION_ASOE_MWH	NUMBER(18,8)		The Sum of ASOE MWh value for the Region over the duration of the direction. NULL for Billing Week prior to the IESS rule effective date
DIRECTION_SERVICE_ID	VARCHAR2(20)		The Direction Service ID associated with the Direction Type ID. Eg For FCAS Direction Type, Direction Service could be any contingency service.

9.15 Table: BILLING_EFTSHORTFALL_AMOUNT

9.15.1 BILLING_EFTSHORTFALL_AMOUNT

Name BILLING_EFTSHORTFALL_AMOUNT

Comment The billing shortfall run amounts

9.15.2 Description

BILLING_EFTSHORTFALL_AMOUNT data is confidential, and is available only to the relevant participant.

9.15.3 Notes

Name	Comment	Value
Visibility		Private

9.15.4 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

WEEKNO

9.15.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The shortfall affected billing contract year
WEEKNO	NUMBER(3,0)	X	The shortfall affected billing week no
BILLRUNNO	NUMBER(3,0)	X	The shortfall affected billing week run no
PARTICIPANTID	VARCHAR2(20)	X	The participant affected by the shortfall calculation
SHORTFALL_AMOUNT	NUMBER(18,8)		The Participant shortfall amount
SHORTFALL	NUMBER(18,8)		The market shortfall amount
SHORTFALL_COMPANY_ID	VARCHAR2(20)		The Company ID associated with the Participant ID used in the shortfall calculation
COMPANY_SHORTFALL_AMOUNT	NUMBER(18,8)		The shortfall amount for the Company ID associated with the Participant ID used in the shortfall calculation
PARTICIPANT_NET_ENERGY	NUMBER(18,8)		The participant NET energy used in shortfall calculation
COMPANY_NET_ENERGY	NUMBER(18,8)		The NET energy for the Company ID associated with the Participant ID used in the shortfall calculation

9.16 Table: BILLING_EFTSHORTFALL_DETAIL

9.16.1 BILLING_EFTSHORTFALL_DETAIL

Name BILLING_EFTSHORTFALL_DETAIL

Comment The Billing Shortfall Run Amount details

9.16.2 Description

BILLING_EFTSHORTFALL_DETAIL data is confidential, and is available only to the relevant participant.

9.16.3 Notes

Name	Comment	Value
Visibility		Private

9.16.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
TRANSACTION_TYPE
WEEKNO

9.16.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The shortfall affected billing contract year
WEEKNO	NUMBER(3,0)	X	The shortfall affected billing week no
BILLRUNNO	NUMBER(3,0)	X	The shortfall affected billing week run no
PARTICIPANTID	VARCHAR2(20)	X	The participant affected by the shortfall calculation
TRANSACTION_TYPE	VARCHAR2(40)	X	The transaction type details associated with the shortfall calculation
AMOUNT	NUMBER(18,8)		The amount for each transaction type

9.17 Table: BILLING_ENERGY_GENSET_DETAIL

9.17.1 BILLING_ENERGY_GENSET_DETAIL

Name	BILLING_ENERGY_GENSET_DETAIL
Comment	The Billing Energy Genset report contains the Genset Energy detail summary for the Billing Week data

9.17.2 Notes

Name	Comment	Value
Visibility		Private

9.17.3 Primary Key Columns

Name
BILLRUNNO
CONNECTIONPOINTID
CONTRACTYEAR
DUID
GENSETID
METERID
PARTICIPANTID
REGIONID
STATIONID
WEEKNO

9.17.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year

WEEKNO	NUMBER(3,0)	X	The Billing Week No
BILLRUNNO	NUMBER(4,0)	X	The Billing Run No
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
STATIONID	VARCHAR2(20)	X	The StationId identifier associated with the GensetId
DUID	VARCHAR2(20)	X	The DUID for the meter associated with the GensetId
GENSETID	VARCHAR2(20)	X	The GensetId for the Meter Id received
REGIONID	VARCHAR2(20)	X	The Region Id for the Connection Point associated with the DUID
CONNECTIONPOINTID	VARCHAR2(20)	X	The Connection Point associated with the DUID
METERID	VARCHAR2(20)	X	The Meter ID Identifier (NMI)
CE_MWH	NUMBER(18,8)		The Consumed Energy for the Meter Id . Energy received in the meter reads (DLF Adjusted) in that Billing Week
UFEA_MWH	NUMBER(18,8)		The UFEA Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
ACE_MWH	NUMBER(18,8)		The Adjusted Consumed Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
ASOE_MWH	NUMBER(18,8)		The Adjusted Sent Out Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
TOTAL_MWH	NUMBER(18,8)		The Total MWh(ACE_MWh + ASOE_MWh) for that Connection Point for the Participant Id in that Billing Week
DME_MWH	NUMBER(18,8)		The DME MWh for that Connection Point for the Participant Id in that Billing Week. This is the MWh value that is used for the UFEA Allocation
ACE_AMOUNT	NUMBER(18,8)		The Adjusted Consumed Energy Dollar Amount for that Connection Point for the Participant Id in that Billing Week
ASOE_AMOUNT	NUMBER(18,8)		The Adjusted Sent Out Energy Dollar Amount

			for that Connection Point for the Participant Id in that Billing Week
TOTAL_AMOUNT	NUMBER(18,8)		The Total Amount(ACE_Amount + ASOE_Amount) for that Connection Point for the Participant Id in that Billing Week
LASTCHANGED	DATE		The Last changed date time for the record

9.18 Table: BILLING_ENERGY_TRAN_SAPS

9.18.1 BILLING_ENERGY_TRAN_SAPS

Name BILLING_ENERGY_TRAN_SAPS

Comment The SAP Billing Transaction Details for the Participants

9.18.2 Notes

Name	Comment	Value
Visibility		Private

9.18.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

TNI

WEEKNO

9.18.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year

WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	The SAP Participant ID
TNI	VARCHAR2(20)	X	The SAPS Connection Point ID
REGIONID	VARCHAR2(20)		The Region ID associated with the TNI
CONSUMED_ENERGY_MWH	NUMBER(18,8)		The Energy MWh Consumed for that TNI for the Participant Id in that Billing Week
SENTOUT_ENERGY_MWH	NUMBER(18,8)		The Energy MWh Sent Out for the TNI for the Participant Id in that Billing Week
CONSUMED_ENERGY_COST	NUMBER(18,8)		The Cost of the Consumed Energy
SENTOUT_ENERGY_COST	NUMBER(18,8)		The Cost of the Sent Out Energy
LASTCHANGED	DATE		The Last datetime record is updated

9.19 Table: BILLING_ENERGY_TRANSACTIONS

9.19.1 BILLING_ENERGY_TRANSACTIONS

Name BILLING_ENERGY_TRANSACTIONS

Comment The Billing Energy Transactions is the summary of the Settlement Energy Transactions that has the ACE and ASOE MWh and Dollar values that is used for the Statement

9.19.2 Notes

Name	Comment	Value
Visibility		Private

9.19.3 Primary Key Columns

Name

BILLRUNNO

CONNECTIONPOINTID

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

9.19.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(4,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
CONNECTIONPOINTID	VARCHAR2(20)	X	The ConnectionPoint Id for the Billing Aggregation for the Participant Id.
REGIONID	VARCHAR2(20)	X	The Region Id Identifier
CE_MWH	NUMBER(18,8)		The Consumed Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
UFEA_MWH	NUMBER(18,8)		The UFEA Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
ACE_MWH	NUMBER(18,8)		The Adjusted Consumed Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
ASOE_MWH	NUMBER(18,8)		The Adjusted Sent Out Energy MWh Consumed for that Connection Point for the Participant Id in that Billing Week
ACE_AMOUNT	NUMBER(18,8)		The Adjusted Consumed Energy Dollar Amount for that Connection Point for the Participant Id in that Billing Week
ASOE_AMOUNT	NUMBER(18,8)		The Adjusted Sent Out Energy Dollar Amount for that Connection Point for the Participant Id in that Billing Week

TOTAL_MWH	NUMBER(18,8)		The Total MWh(ACE_MWh + ASOE_MWh) for that Connection Point for the Participant Id in that Billing Week
TOTAL_AMOUNT	NUMBER(18,8)		The Total Amount(ACE_Amount + ASOE_Amount) for that Connection Point for the Participant Id in that Billing Week
DME_MWH	NUMBER(18,8)		The DME MWh for that Connection Point for the Participant Id in that Billing Week. This is the MWh value that is used for the UFEA Allocation.
LASTCHANGED	DATE		The Last Changed date time for the record

9.20 Table: BILLING_FCAS_REG_AMT

9.20.1 BILLING_FCAS_REG_AMT

Name BILLING_FCAS_REG_AMT

Comment This report show the summary of the Billing run FCAS Regulation Amounts incl default amounts.

9.20.2 Notes

Name	Comment	Value
Visibility		Private

9.20.3 Primary Key Columns

Name

BILLRUNNO

CONNECTIONPOINTID

CONSTRAINTID

CONTRACTYEAR

PARTICIPANTID

REGIONID

UNITID

WEEKNO

9.20.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(4,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
UNITID	VARCHAR2(20)	X	The UnitId for which a FPP Factor is assigned
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Reg Constraint Id
CONNECTIONPOINTID	VARCHAR2(20)	X	The ConnectionPointId from Settlement Results for the UnitId
REGIONID	VARCHAR2(20)	X	The Region Id Identifier
BIDTYPE	VARCHAR2(10)		The BidType for the Constraint Id
FPP_AMOUNT	NUMBER(18,8)		The FPP Amount for the Participant and the Unit
USED_AMOUNT	NUMBER(18,8)		The FCAS Regulation Used Amount for the Participant and the Unit
UNUSED_AMOUNT	NUMBER(18,8)		The FCAS Regulation Unused Amount for the Participant and the Unit
LASTCHANGED	DATE		The Lastchanged datetime of the record.

9.21 Table: BILLING_FCAS_REG_RESIDAMT

9.21.1 BILLING_FCAS_REG_RESIDAMT

Name BILLING_FCAS_REG_RESIDAMT

Comment This report show the summary of the Billing run FCAS Regulation Residual Amounts incl default amounts

9.21.2 Notes

Name	Comment	Value
Visibility		Private

9.21.3 Primary Key Columns

Name
BILLRUNNO
CONSTRAINTID
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

9.21.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(4,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Reg Constraint Id
REGIONID	VARCHAR2(20)	X	The Region Id Identifier
BIDTYPE	VARCHAR2(10)		The BidType for the Constraint Id
ACE_MWH	NUMBER(18,8)		The ACE MWh used for the Residual Calculation for the Participant
ASOE_MWH	NUMBER(18,8)		The ASOE MWh used for the Residual Calculation of the Participant

RESIDUAL_MWH	NUMBER(18,8)		Sum of ACE_MWH + ASOE_MWH
FPP_ACE_AMOUNT	NUMBER(18,8)		The FPP ACE Portion Amount for the Billing Week
FPP_ASOE_AMOUNT	NUMBER(18,8)		The FPP ASOE Portion Amount for the Billing Week
FPP_RESIDUAL_AMOUNT	NUMBER(18,8)		The FPP Residual Amount for the Billing Week
USED_ACE_AMOUNT	NUMBER(18,8)		The Used ACE Portion Amount for the Billing Week
USED_ASOE_AMOUNT	NUMBER(18,8)		The Used ASOE Portion Amount for the Billing Week
USED_RESIDUAL_AMOUNT	NUMBER(18,8)		The Used Residual Amount for the Billing Week
UNUSED_ACE_AMOUNT	NUMBER(18,8)		The Unused ACE Portion Amount for the Billing Week
UNUSED_ASOE_AMOUNT	NUMBER(18,8)		The Unused ASOE Portion Amount for the Billing Week
UNUSED_RESIDUAL_AMOUNT	NUMBER(18,8)		The Unused Residual Amount for the Billing Week
LASTCHANGED	DATE		The Lastchanged datetime of the record.

9.22 Table: BILLING_FPP

9.22.1 BILLING_FPP

Name	BILLING_FPP
Comment	This report show the summary of the Billing run FPP Amounts for the week

9.22.2 Notes

Name	Comment	Value
Visibility		Private

9.22.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

9.22.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(4,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
REGIONID	VARCHAR2(20)	X	The Region Id Identifier
LOWERREG_AMOUNT	NUMBER(18,8)		The Lower Reg Service FPP Amount for the Participant and the Region for the Billing Week
LOWERREG_ACE_AMOUNT	NUMBER(18,8)		The Lower Reg Service FPP ACE Residual Amount for the Participant and the Region for the Billing Week
LOWERREG_ASOE_AMOUNT	NUMBER(18,8)		The Lower Reg Service FPP ASOE Residual Amount for the Participant and the Region for the Billing Week
LOWERREG_RESIDUAL_AMOUNT	NUMBER(18,8)		Sum of LOWERREG_ACE_AMOUNT + LOWERREG_ASOE_AMOUNT
RAISEREG_AMOUNT	NUMBER(18,8)		The Raise Reg Service FPP Amount for the Participant and the Region for the Billing Week
RAISEREG_ACE_AMOUNT	NUMBER(18,8)		The Raise Reg Service FPP ACE Residual Amount for the Participant and the Region for the Billing Week

RAISEREG_ASOE_AMOUNT	NUMBER(18,8)		The Raise Reg Service FPP ASOE Residual Amount for the Participant and the Region for the Billing Week
RAISEREG_RESIDUAL_AMOUNT	NUMBER(18,8)		RAISEREG_ACE_AMOUNT + RAISEREG_ASOE_AMOUNT
LASTCHANGED	DATE		The Lastchanged datetime of the record.

9.23 Table: BILLING_GST_DETAIL

9.23.1 BILLING_GST_DETAIL

Name	BILLING_GST_DETAIL
Comment	BILLING_GST_DETAIL shows the BAS class, GST_Exclusive and GST amount (if any) attributable to a participant for each transaction type.

9.23.2 Description

BILLING_GST_DETAIL data is confidential to NSP participants.

Source

Populated by the posting of a billing run.

Volume

Approximately 20 records are inserted per billrunno, or about 220 records inserted per week.

9.23.3 Notes

Name	Comment	Value
Visibility		Private

9.23.4 Primary Key Columns

Name
BAS_CLASS
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID

TRANSACTION_TYPE

WEEKNO

9.23.5 Index Columns

Name

LASTCHANGED

9.23.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
BAS_CLASS	VARCHAR2(30)	X	The BAS classification that the transaction type belongs to.
TRANSACTION_TYPE	VARCHAR2(30)	X	The transaction type (e.g. CUSTOMER_ENERGY_PURCHASES)
GST_EXCLUSIVE_AMOUNT	NUMBER(15,5)		The GST exclusive amount paid by/to the participant to/by AEMO for this transaction type.
GST_AMOUNT	NUMBER(15,5)		The GST amount for this transaction type.
LASTCHANGED	DATE		Last date and time record changed

9.24 Table: BILLING_GST_SUMMARY

9.24.1 BILLING_GST_SUMMARY

Name BILLING_GST_SUMMARY

Comment	BILLING_GST_SUMMARY shows the GST_Exclusive and GST amount (if any) attributable to a participant for each BAS class.

9.24.2 Description

BILLING_GST_SUMMARY data is confidential to NSP participants.

Source

Populated by the posting of a billing run.

Volume

Approximately 5 records are inserted per billrunno, or about 55 records inserted per week.

9.24.3 Notes

Name	Comment	Value
Visibility		Private

9.24.4 Primary Key Columns

Name
BAS_CLASS
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

9.24.5 Index Columns

Name
LASTCHANGED

9.24.6 Content

Name	Data Type	Mandatory	Comment

CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
BAS_CLASS	VARCHAR2(30)	X	The BAS classification
GST_EXCLUSIVE_AMOUNT	NUMBER(15,5)		The GST exclusive amount paid by/to the participant to/by AEMO for this BAS classification.
GST_AMOUNT	NUMBER(15,5)		The GST amount for this BAS classification.
LASTCHANGED	DATE		Last date and time record changed

9.25 Table: BILLING_IRSR_NSP_ALLOCATION

9.25.1 BILLING_IRSR_NSP_ALLOCATION

Name BILLING_IRSR_NSP_ALLOCATION

Comment The report is used to show the participants the negative residue amount to TNSP based on regional share

9.25.2 Notes

Name	Comment	Value
Visibility		Private

9.25.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

9.25.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year.
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(3,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	TNSP Participant Identifier
REGIONID	VARCHAR2(20)	X	The Region Identifier
RESIDUE_AMOUNT	NUMBER(18,8)		Calculated Amount based on regional share
LASTCHANGED	DATE		The last changed date time of the record

9.26 Table: BILLING_NMAS_MANUAL_PAYMENT

9.26.1 BILLING_NMAS_MANUAL_PAYMENT

Name BILLING_NMAS_MANUAL_PAYMENT

Comment This report contains the NMAS Manual Weekly Payments that are uploaded by the Settlement Business Team. Amounts in this table are not calculated by the Settlement System.

9.26.2 Notes

Name	Comment	Value
Visibility		Private

9.26.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTID

CONTRACTYEAR

DUID

PARTICIPANTID

PAYMENTTYPE

SERVICETYPE

WEEKNO

9.26.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year.
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(4,0)	X	The Billing RunNo
PARTICIPANTID	VARCHAR2(20)	X	The Contract Participant Id.
CONTRACTID	VARCHAR2(20)	X	The NMAS System Security Contract ID.
DUID	VARCHAR2(20)	X	The DUID associated with the Contract Payment.
SERVICETYPE	VARCHAR2(40)	X	The NMAS System Security Service Types (INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2 and so on).
PAYMENTTYPE	VARCHAR2(20)	X	The Payment Type associated with the Service like Availability, Usage, Enablement, Energy Revenue, Test, ADHOC and so on.
REGIONID	VARCHAR2(10)		The Contract Region Id.
PAYMENTAMOUNT	NUMBER(18,8)		The NMAS Contract Manual Payment for the Payment Type.
LASTCHANGED	DATE		The last changed date time of the record.

9.27 Table: BILLING_NMAS_MANUAL_RECOVERY

9.27.1 BILLING_NMAS_MANUAL_RECOVERY

Name	BILLING_NMAS_MANUAL_RECOVERY
Comment	This report shows the summary of the Billing NMAS Recovery Amounts. This table will have recovery data for manual payments for System Security Services.

9.27.2 Notes

Name	Comment	Value
Visibility		Private

9.27.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
PARTICIPANTID
PAYMENTTYPE
REGIONID
SERVICETYPE
WEEKNO

9.27.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The Billing Contract Year.
WEEKNO	NUMBER(3,0)	X	The Billing WeekNo
BILLRUNNO	NUMBER(4,0)	X	The Billing RunNo

PARTICIPANTID	VARCHAR2(20)	X	The Contract Participant Id.
CONTRACTID	VARCHAR2(20)	X	The NMAS System Security Contract ID.
SERVICETYPE	VARCHAR2(40)	X	The NMAS System Security Service Types (INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2 and so on).
PAYMENTTYPE	VARCHAR2(20)	X	The Payment Type associated with the Service like Availability, Usage, Enablement, Energy Revenue, Test, ADHOC and so on.
REGIONID	VARCHAR2(10)	X	Region Identifier
PAYMENTAMOUNT	NUMBER(18,8)		The NMAS Contract Manual Payment for the Payment Type.
RECOVERYSTARTDATETIME	DATE		The Recovery Start Date and Time for the Payment Calculation.
RECOVERYENDDATETIME	DATE		The Recovery End Date and Time for the Payment Calculation.
RECOVERYAMOUNT_ACE	NUMBER(18,8)		Recovery Amount on ACE portion ($).
RECOVERYAMOUNT_ASOE	NUMBER(18,8)		Recovery Amount on ASOE portion ($).
PARTICIPANT_ACE_MWH	NUMBER(18,8)		Participant Consumed Energy in MWh.
PARTICIPANT_ASOE_MWH	NUMBER(18,8)		Participant Sent Out Energy in MWh.
REGION_ACE_MWH	NUMBER(18,8)		Region Consumed Energy in MWh.
REGION_ASOE_MWH	NUMBER(18,8)		Region Sent Out Energy in MWh.
LASTCHANGED	DATE		The last changed date time of the record.

9.28 Table: BILLING_NMAS_TST_PAYMENTS

9.28.1 BILLING_NMAS_TST_PAYMENTS

Name BILLING_NMAS_TST_PAYMENTS

Comment BILLING_NMAS_TEST_PAYMENTS publish the NSCAS/SRAS Testing Payments data for a posted billing week. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

9.28.2 Notes

Name	Comment	Value
Visibility		Private

9.28.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
PARTICIPANTID
SERVICE
WEEKNO

9.28.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	NUMBER(3,0)	X	The current Billing RunNo for the week
PARTICIPANTID	VARCHAR(20)	X	The Participant from whom the amount is recovered
SERVICE	VARCHAR(10)	X	The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED
CONTRACTID	VARCHAR(10)	X	The NMAS Contract Id
PAYMENT_AMOUNT	NUMBER(18,8)		The Testing Payment Amount to recover

9.29 Table: BILLING_NMAS_TST_RECOVERY

9.29.1 BILLING_NMAS_TST_RECOVERY

Name	BILLING_NMAS_TST_RECOVERY
Comment	BILLING_NMAS_TEST_RECOVERY sets out the recovery of NMAS testing payments This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

9.29.2 Notes

Name	Comment	Value
Visibility		Private

9.29.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
PARTICIPANTID
REGIONID
SERVICE
WEEKNO

9.29.4 Index Columns

Name
LASTCHANGED

9.29.5 Content

Name	Data Type	Mandato	Comment

		ry	
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	NUMBER(3,0)	X	The current Billing RunNo for the week
PARTICIPANTID	VARCHAR(20)	X	The Participant from whom the amount is recovered
SERVICE	VARCHAR(10)	X	The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED - RESTART
CONTRACTID	VARCHAR(10)	X	The NMAS Contract Id
REGIONID	VARCHAR(10)	X	The region from where the amount is recovered
RBF	NUMBER(18,8)		The Benefitting Factor for the RegionId
TEST_PAYMENT	NUMBER(18,8)		The total Testing Payment Amount to recover from all benefitting regions
RECOVERY_START_DATE	DATE		The Recovery Start Date for the Testing Payment Calculation
RECOVERY_END_DATE	DATE		The Recovery End Date for the Testing Payment Calculation
PARTICIPANT_ENERGY	NUMBER(18,8)		The Participant energy in MWh for the recovery period
REGION_ENERGY	NUMBER(18,8)		The RegionId energy in MWh for the recovery period
NEM_ENERGY	NUMBER(18,8)		The NEM energy in MWh for the recovery period
CUSTOMER_PROPORTION	NUMBER(18,8)		The Customer Proportion for recovery amount in Percent
GENERATOR_PROPORTION	NUMBER(18,8)		The Generator Proportion for recovery amount in Percent (100-Customer Portion)
PARTICIPANT_GENERATION	NUMBER(18,8)		The Participant Generation for the recovery

			period
NEM_GENERATION	NUMBER(18,8)		The NEM Generation for the recovery period
RECOVERY_AMOUNT	NUMBER(18,8)		The Total recovery amount for the billing week, being the sum of the customer and generator proportions for the PARTICIPANTID in REGIONID and sum of RecoveryAmount_ACE and RecoveryAmount_ASOE.
LASTCHANGED	DATE		The Last Updated date and time
PARTICIPANT_ACE_MWH	NUMBER(18,8)		The Participant ACE MWh Value used in the Recovery of the Testing Payment Amount if the service is recovered from ACE. NULL for Billing Week prior to the IESS rule effective date
REGION_ACE_MWH	NUMBER(18,8)		The Region ACE MWh Value used in the Recovery of the Testing Payment Amount if the service is recovered from ACE. NULL for Billing Week prior to the IESS rule effective date
ACE_PORTION	NUMBER(18,8)		The Portion of ACE MWh Value used in the Recovery Calculation. . NULL for Billing Week prior to the IESS rule effective date
ASOE_PORTION	NUMBER(18,8)		The Portion of ASOE MWh Value used in the Recovery Calculation (100 - ACE_Portion). . NULL for Billing Week prior to the IESS rule effective date
PARTICIPANT_ASOE_MWH	NUMBER(18,8)		The Participant ASOE MWh Value used in the Recovery of the Testing Payment Amount if the service is recovered from ASOE. NULL for Billing Week prior to the IESS rule effective date
REGION_ASOE_MWH	NUMBER(18,8)		The Region ASOE MWh Value used in the Recovery of the Testing Payment Amount if the service is recovered from ASOE. NULL for Billing Week prior to the IESS rule effective date
RECOVERYAMOUNT_ACE	NUMBER(18,8)		The Participant Recovery Amount based on ACE MWh Value if the service is recovered from ACE . NULL for Billing Week prior to the IESS rule effective date
RECOVERYAMOUNT_ASOE	NUMBER(18,8)		The Participant Recovery Amount based on ASOE MWh Value if the service is recovered from ASOE . NULL for Billing Week prior to the

			IESS rule effective date

9.30 Table: BILLING_NMAS_TST_RECVRY_RBF

9.30.1 BILLING_NMAS_TST_RECVRY_RBF

Name	BILLING_NMAS_TST_RECVRY_RBF
Comment	BILLING_NMAS_TEST_RECVRY_RBF sets out the NSCAS/SRAS Testing Payment recovery data for the posted billing week.

9.30.2 Notes

Name	Comment	Value
Visibility		Public

9.30.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
REGIONID
SERVICE
WEEKNO

9.30.4 Index Columns

Name
LASTCHANGED

9.30.5 Content

Name	Data Type	Mandato	Comment

		ry	
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	NUMBER(3,0)	X	The current Billing RunNo for the week
SERVICE	VARCHAR(10)	X	The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED
CONTRACTID	VARCHAR(10)	X	The NMAS Contract Id
REGIONID	VARCHAR(10)	X	The region from where the amount is recovered
RBF	NUMBER(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	NUMBER(18,8)		The total Testing Payment Amount to recover from all benefitting regions
RECOVERY_AMOUNT	NUMBER(18,8)		The Testing Payment amount to recover from RegionId
LASTCHANGED	DATE		The Last Updated date and time

9.31 Table: BILLING_NMAS_TST_RECVRY_TRK

9.31.1 BILLING_NMAS_TST_RECVRY_TRK

Name BILLING_NMAS_TST_RECVRY_TRK

Comment BILLING_NMAS_TEST_RECVRY_TRK tracks the energy data used to allocate the test payment recovery over the recovery period. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

9.31.2 Notes

Name	Comment	Value
Visibility		Public

9.31.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

RECOVERY_BILLRUNNO

RECOVERY_CONTRACTYEAR

RECOVERY_WEEKNO

WEEKNO

9.31.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	NUMBER(3,0)	X	The current Billing RunNo for the week
RECOVERY_CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year for energy data used in recovery calculation
RECOVERY_WEEKNO	NUMBER(3,0)	X	Week no for energy data used in recovery calculation
RECOVERY_BILLRUNNO	NUMBER(3,0)	X	Billing RunNo for energy data used in recovery calculation

9.32 Table: BILLING_SECDEP_INTEREST_PAY

9.32.1 BILLING_SECDEP_INTEREST_PAY

Name BILLING_SECDEP_INTEREST_PAY

Comment The interest amount for security deposit calculated by billing, based on whether it is a fixed/floating rate

9.32.2 Description

BILLING_SECDEP_INTEREST_PAY data is confidential, and is available only to the relevant participant.

9.32.3 Notes

Name	Comment	Value
Visibility		Private

9.32.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
SECURITY_DEPOSIT_ID
WEEKNO

9.32.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The billing contract year the SDA application is processed and interest calculated
WEEKNO	NUMBER(3,0)	X	The billing week no. the SDA application is processed and interest calculated
BILLRUNNO	NUMBER(3,0)	X	The billing run no. the SDA application is processed and interest calculated
SECURITY_DEPOSIT_ID	VARCHAR2(20)	X	The security deposit ID for which billing has calculated the Interest amount
PARTICIPANTID	VARCHAR2(20)	X	The participant ID of the security deposit for whom the interest is paid
INTEREST_AMOUNT	NUMBER(18,8)		The security deposit interest amount

			calculated by billing
INTEREST_CALC_TYPE	VARCHAR2(20)		FIXED or DAILY
INTEREST_ACCT_ID	VARCHAR2(20)		The interest account ID used by billing for calculating the interest. NULL if INTEREST_CALC_TYPE = FIXED
INTEREST_RATE	NUMBER(18,8)		The STATIC Interest Rate used by Billing for calculating the interest. This is NULL if INTEREST_CALC_TYPE <> FIXED

9.33 Table: BILLING_SECDEP_INTEREST_RATE

9.33.1 BILLING_SECDEP_INTEREST_RATE

Name BILLING_SECDEP_INTEREST_RATE

Comment The DAILY interest rates used by billing when calculating the interest amount

9.33.2 Notes

Name	Comment	Value
Visibility		Public

9.33.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

EFFECTIVEDATE

INTEREST_ACCT_ID

WEEKNO

9.33.4 Content

Name	Data Type	Mandato	Comment

		ry	
CONTRACTYEAR	NUMBER(4,0)	X	The billing contract year the SDA application is processed and interest calculated
WEEKNO	NUMBER(3,0)	X	The billing week no. the SDA application is processed and interest calculated
BILLRUNNO	NUMBER(3,0)	X	The billing run no. the SDA application is processed and interest calculated
INTEREST_ACCT_ID	VARCHAR2(20)	X	The interest account ID used by security deposit interest calculation
EFFECTIVEDATE	DATE	X	The effective date of the new interest change
INTEREST_RATE	NUMBER(18,8)		The interest rate to apply from the effective date

9.34 Table: BILLING_SECDEPOSIT_APPLICATION

9.34.1 BILLING_SECDEPOSIT_APPLICATION

Name	BILLING_SECDEPOSIT_APPLICATION
Comment	The security deposit application details

9.34.2 Description

BILLING_SECDEPOSIT_APPLICATION data is confidential, and is available only to the relevant participant.

9.34.3 Notes

Name	Comment	Value
Visibility		Private

9.34.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR

PARTICIPANTID

WEEKNO

9.34.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	The billing contract year where (security deposit application) SDA is applied
WEEKNO	NUMBER(3,0)	X	The billing week no. where the SDA is applied
BILLRUNNO	NUMBER(3,0)	X	The billing run no. where the SDA is applied
PARTICIPANTID	VARCHAR2(20)	X	The Participant ID lodging the SDA
APPLICATION_AMOUNT	NUMBER(18,8)		The SDA application amount

9.35 Table: BILLING_SUBST_DEMAND

9.35.1 BILLING_SUBST_DEMAND

Name BILLING_SUBST_DEMAND

Comment Demand Values Substituted in Billing Calculation

9.35.2 Notes

Name	Comment	Value
Visibility		Private

9.35.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

SETTLEMENTDATE

TNI

WEEKNO

9.35.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing contract year
WEEKNO	NUMBER(3,0)	X	Billing week number
BILLRUNNO	NUMBER(3,0)	X	Billing run number
SETTLEMENTDATE	DATE	X	Settlement Date
TNI	VARCHAR2(20)	X	Unique identifier for the connection point
PARTICIPANTID	VARCHAR2(20)	X	Unique identifier for the participant
REGIONID	VARCHAR2(20)		Unique identifier for the region to which the TNI belongs to on this settlement date
SUBSTITUTEDEMAND	NUMBER(18,8)		Substitute metered quantity for non-energy recovery in MWh for the TNI and participant in the trading interval. A negative value indicates net consumption and a positive value indicates net generation

9.36 Table: BILLING_SUBST_RUN_VERSION

9.36.1 BILLING_SUBST_RUN_VERSION

Name BILLING_SUBST_RUN_VERSION

Comment Details of settlement runs used as input in the substitute demand calculation

9.36.2 Notes

Name	Comment	Value
Visibility		Private

9.36.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

REFERENCESETTLEMENTDATE

REFERENCESETTLEMENTRUNNO

WEEKNO

9.36.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing contract year
WEEKNO	NUMBER(3,0)	X	Billing week number
BILLRUNNO	NUMBER(3,0)	X	Billing run number
REFERENCESETTLEMENTDATE	DATE	X	Settlement Date
REFERENCESETTLEMENTRUNNO	NUMBER(3,0)	X	The settlement run number matching the settlement date for a settlement run included in the reference period

9.37 Table: BILLING_WDR

9.37.1 BILLING_WDR

Name BILLING_WDR

Comment Billing WDR Transaction Weekly Summary

9.37.2 Notes

Name	Comment	Value
Visibility		Private

9.37.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

WEEKNO

9.37.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Contract year of the Billing run
WEEKNO	NUMBER(3,0)	X	Week number of the Billing run
BILLRUNNO	NUMBER(3,0)	X	Billing run number identifier
PARTICIPANTID	VARCHAR2(20)	X	DRSP or FRMP Participant Identifier
WDR_CREDIT_AMOUNT	NUMBER(18,8)		WDR credit transaction amount
WDR_DEBIT_AMOUNT	NUMBER(18,8)		WDR debit transaction amount

9.38 Table: BILLING_WDR_DETAIL

9.38.1 BILLING_WDR_DETAIL

Name	BILLING_WDR_DETAIL
Comment	Billing WDR transaction detail summary

9.38.2 Notes

Name	Comment	Value
Visibility		Private

9.38.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DRSP

FRMP

REGIONID

WDRRRPERIOD

WEEKNO

9.38.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Contract year of the Billing run
WEEKNO	NUMBER(3,0)	X	Week number of the Billing run
BILLRUNNO	NUMBER(3,0)	X	Billing run number identifier
WDRRRPERIOD	VARCHAR2(20)	X	Unique identifier for the period to which the WDRRR applies. For quarter-based periods, this will be equal to YYYY[Q]NN, for example, 2020Q3 for 2020 Quarter 3.
REGIONID	VARCHAR2(20)	X	Region identifier
FRMP	VARCHAR2(20)	X	Financial Responsible Market Participant Identifier
DRSP	VARCHAR2(20)	X	Demand Response Service Provider Identifier
WDRSQ	NUMBER(18,8)		WDR Settlement Quantity capped in MWh
WDRRR	NUMBER(18,8)		WDR reimbursement rate in $/MWh
WDRTA	NUMBER(18,8)		WDR transaction amount in $ for demand response

9.39 Table: BILLINGAPCCOMPENSATION

9.39.1 BILLINGAPCCOMPENSATION

Name	BILLINGAPCCOMPENSATION
Comment	BILLINGAPCCOMPENSATION shows Administered Price Cap (APC) compensation amounts for the billing period. Data is for each participant by region.

9.39.2 Description

Updated with each billing run

9.39.3 Notes

Name	Comment	Value
Visibility		Private

9.39.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

9.39.5 Index Columns

Name
LASTCHANGED

9.39.6 Content

Name	Data Type	Mandatory	Comment

CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
APCCOMPENSATION	NUMBER(15,5)		APC Compensation
LASTCHANGED	DATE		Last changed date and time

9.40 Table: BILLINGAPCRECOVERY

9.40.1 BILLINGAPCRECOVERY

Name	BILLINGAPCRECOVERY
Comment	BILLINGAPCRECOVERY shows the Administered Price Cap (APC) Recovery for the billing period. Data is for each participant by region.

9.40.2 Description

Source

Obsolete; was updated weekly with each billing run.

9.40.3 Notes

Name	Comment	Value
Visibility		Private

9.40.4 Primary Key Columns

Name
BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

9.40.5 Index Columns

Name

LASTCHANGED

9.40.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Contract year
WEEKNO	NUMBER(3,0)	X	Billing week
BILLRUNNO	NUMBER(3,0)	X	Billing run number
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
APCRECOVERY	NUMBER(15,0)		APC Recovery amount for week
LASTCHANGED	DATE		Last date and time record changed

9.41 Table: BILLINGASPAYMENTS

9.41.1 BILLINGASPAYMENTS

Name BILLINGASPAYMENTS

Comment BILLINGASPAYMENTS shows Ancillary Service payments for each billing period by each of the Ancillary Service types for each participant's connection points.

9.41.2 Description

BILLINGASPAYMENTS data is confidential to relevant participant.

Source

Updated with each billing run.

Volume

The volume is according to the number of Transmission ConnectionPointIDs a Participant may have subject to ancillary payment per billrunno. An indicative maximum is approximately 20 records are inserted per billrunno, or about 220 records inserted per week.

9.41.3 Notes

Name	Comment	Value
Visibility		Private

9.41.4 Primary Key Columns

Name
BILLRUNNO
CONNECTIONPOINTID
CONTRACTYEAR
PARTICIPANTID
WEEKNO

9.41.5 Index Columns

Name
LASTCHANGED

9.41.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)		Region Identifier

CONTRACTYEAR	NUMBER(4,0)	X	Contract Year
WEEKNO	NUMBER(3,0)	X	Week No
BILLRUNNO	NUMBER(3,0)	X	Billing Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection point identifier
RAISE6SEC	NUMBER(15,5)		Raise 6 Sec Payments
LOWER6SEC	NUMBER(15,5)		Lower 6 Sec Payments
RAISE60SEC	NUMBER(15,5)		Raise 60 Sec Payments
LOWER60SEC	NUMBER(15,5)		Lower 60 Sec Payments
AGC	NUMBER(15,5)		AGC Payments
FCASCOMP	NUMBER(15,5)		Frequency Control Compensation Payments
LOADSHED	NUMBER(15,5)		Load Shed Payments
RGUL	NUMBER(15,5)		Rapid Generator unit Loading Payments
RGUU	NUMBER(15,5)		Rapid Generator Unit Unloading Payments
REACTIVEPOWER	NUMBER(15,5)		Reactive Power Payments
SYSTEMRESTART	NUMBER(15,5)		System Restart Payments
LASTCHANGED	DATE		The latest date and time that a file was updated or inserted
LOWER5MIN	NUMBER(15,5)		Lower 5 Minute Payment
RAISE5MIN	NUMBER(15,5)		Raise 5 Minute Payment
LOWERREG	NUMBER(15,5)		Lower 5 Minute Regulation Payment
RAISEREG	NUMBER(15,5)		Raise 5 Minute Regulation Payment
AVAILABILITY_REACTIVE	NUMBER(18,8)		The total availability payment
AVAILABILITY_REACTIVE_RBT	NUMBER(18,8)		The total availability payment rebate
RAISE1SEC	NUMBER(18,8)		Payment amount for the very fast raise service
LOWER1SEC	NUMBER(18,8)		Payment amount for the very fast lower service

9.42 Table: BILLINGASRECOVERY

9.42.1 BILLINGASRECOVERY

Name	BILLINGASRECOVERY
Comment	BILLINGASRECOVERY shows participant charges for Ancillary Services for the billing period. This view shows the billing amounts for Ancillary Service Recovery.

9.42.2 Description

BILLINGASRECOVERY data is confidential to relevant participant.

Source

Updated with each billing run.

Volume

Approximately 5 records are inserted per billrunno, or about 55 records inserted per week.

9.42.3 Notes

Name	Comment	Value
Visibility		Private

9.42.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

9.42.5 Index Columns

Name
LASTCHANGED

9.42.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Region Identifier
CONTRACTYEAR	NUMBER(4,0)	X	Contract Year
WEEKNO	NUMBER(3,0)	X	Week No
BILLRUNNO	NUMBER(3,0)	X	Billing Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
RAISE6SEC	NUMBER(15,5)		Raise 6 Sec Recovery. NULL for Billing Week post the IESS rule effective date
LOWER6SEC	NUMBER(15,5)		Lower 6 Sec Recovery. NULL for Billing Week post the IESS rule effective date
RAISE60SEC	NUMBER(15,5)		Raise 60 Sec Recovery. NULL for Billing Week post the IESS rule effective date
LOWER60SEC	NUMBER(15,5)		Lower 60 Sec Recovery. NULL for Billing Week post the IESS rule effective date
AGC	NUMBER(15,5)		AGC Recovery - Not used since circa 2000
FCASCOMP	NUMBER(15,5)		Frequency Control Compensation Recovery - Not used since circa 2000
LOADSHED	NUMBER(15,5)		Load Shed Recovery. Post-IESS the value in this column only represent the Testing Payment Recovery from Customers. 0 if no testing payment exists.
RGUL	NUMBER(15,5)		Rapid Generator Unit Loading Recovery - Not used since December 2001
RGUU	NUMBER(15,5)		Rapid Generator Unit Unloading Recovery - Not used since December 2001
REACTIVEPOWER	NUMBER(15,5)		Reactive Power Recovery. Post-IESS the value in this column only represent the Testing Payment Recovery from Customers. 0 if no testing payment exists.
SYSTEMRESTART	NUMBER(15,5)		System Restart Recovery. Post-IESS the value in this column only represent the Testing Payment Recovery from Customers. 0 if no

			testing payment exists
LASTCHANGED	DATE		The latest date and time a file was updated/inserted
RAISE6SEC_GEN	NUMBER(15,5)		Raise 6 Sec Recovery for Generator. NULL for Billing Week post the IESS rule effective date
LOWER6SEC_GEN	NUMBER(15,5)		Lower 6 Sec Recovery for Generator. NULL for Billing Week post the IESS rule effective date
RAISE60SEC_GEN	NUMBER(15,5)		Raise 60 Sec Recovery for Generator. NULL for Billing Week post the IESS rule effective date
LOWER60SEC_GEN	NUMBER(15,5)		Lower 60 Sec Recovery for Generator. NULL for Billing Week post the IESS rule effective date
AGC_GEN	NUMBER(15,5)		AGC Recovery for Generator
FCASCOMP_GEN	NUMBER(15,5)		Frequency Control Compensation Recovery for Generator
LOADSHED_GEN	NUMBER(15,5)		Load Shed Recovery for Generator. Post-IESS the value in this column only represent the Testing Payment Recovery from Generators. 0 if no testing payment exists.
RGUL_GEN	NUMBER(15,5)		Rapid Generator unit Loading Recovery for. Generator - Not used since December 2001
RGUU_GEN	NUMBER(15,5)		Rapid Generator Unit Unloading Recovery for Generator - Not used since December 2001
REACTIVEPOWER_GEN	NUMBER(15,5)		Reactive Power Recovery for Generator. Post-IESS the value in this column only represent the Testing Payment Recovery from Generators. 0 if no testing payment exists.
SYSTEMRESTART_GEN	NUMBER(15,5)		System Restart Recovery for Generator. Post-IESS the value in this column only represent the Testing Payment Recovery from Generators. 0 if no testing payment exists.
LOWER5MIN	NUMBER(15,5)		Recovery amount for the Lower 5 Minute service attributable to customer connection points. NULL for Billing Week post the IESS rule effective date
RAISE5MIN	NUMBER(15,5)		Recovery amount for the Raise 5 Minute service attributable to customer connection points. NULL for Billing Week post the IESS rule effective date

LOWERREG	NUMBER(18,8)		Post-IESS the amount in this column represent only the Lower Regulation FCAS MPF Recovery Amount from Customer and Generator Connection Point MPFs, no Residue Amounts are added to this column value. For Billing Weeks past FPP Rule Effective Date this column is not used. Always show 0.
RAISEREG	NUMBER(18,8)		Post-IESS the amount in this column represent only the Raise Regulation FCAS MPF Recovery Amount from Customer and Generator Connection Point MPFs, no Residue Amounts are added to this column value. For Billing Weeks past FPP Rule Effective Date this column is not used. Always show 0.
LOWER5MIN_GEN	NUMBER(16,6)		Recovery amount for the Lower 5 Minute service attributable to generator connection points. NULL for Billing Week post the IESS rule effective date
RAISE5MIN_GEN	NUMBER(16,6)		Recovery amount for the Raise 5 Minute service attributable to generator connection points. NULL for Billing Week post the IESS rule effective date
LOWERREG_GEN	NUMBER(16,6)		Recovery amount for the Lower Regulation service attributable to generator connection points. NULL for Billing Week post the IESS rule effective date
RAISEREG_GEN	NUMBER(16,6)		Recovery amount for the Raise Regulation service attributable to generator connection points. NULL for Billing Week post the IESS rule effective date. NULL for Billing Week post the IESS rule effective date.
AVAILABILITY_REACTIVE	NUMBER(18,8)		The total availability payment recovery amount (customer).. NULL for Billing Week post the IESS rule effective date
AVAILABILITY_REACTIVE_RBT	NUMBER(18,8)		The total availability payment rebate recovery amount (customer).. NULL for Billing Week post the IESS rule effective date
AVAILABILITY_REACTIVE_GEN	NUMBER(18,8)		The total availability payment recovery amount (Generator).. NULL for Billing Week post the IESS rule effective date
AVAILABILITY_REACTIVE_RBT_GEN	NUMBER(18,8)		The total availability payment rebate recovery amount (Generator).. NULL for Billing Week post the IESS rule effective date

RAISE1SEC	NUMBER(18,8)		Customer recovery amount for the very fast raise service. NULL for Billing Week post the IESS rule effective date
LOWER1SEC	NUMBER(18,8)		Customer recovery amount for the very fast lower service. NULL for Billing Week post the IESS rule effective date
RAISE1SEC_GEN	NUMBER(18,8)		Generator recovery amount for the very fast raise service. NULL for Billing Week post the IESS rule effective date
LOWER1SEC_GEN	NUMBER(18,8)		Generator recovery amount for the very fast lower service. NULL for Billing Week post the IESS rule effective date
LOWERREG_ACE	NUMBER(18,8)		The Lower Regulation FCAS Residue Recovery Amount using ACE MWh values. NULL for Billing Week prior to the IESS rule effective date
RAISEREG_ACE	NUMBER(18,8)		The Raise Regulation FCAS Residue Recovery Amount using ACE MWh values. NULL for Billing Week prior to the IESS rule effective date
RAISE1SEC_ACE	NUMBER(18,8)		The Raise1Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
RAISE1SEC_ASOE	NUMBER(18,8)		The Raise1Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER1SEC_ACE	NUMBER(18,8)		The Lower1Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER1SEC_ASOE	NUMBER(18,8)		The Lower1Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
RAISE6SEC_ACE	NUMBER(18,8)		The Raise6Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
RAISE6SEC_ASOE	NUMBER(18,8)		The Raise6Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh

			Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER6SEC_ACE	NUMBER(18,8)		The Lower6Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER6SEC_ASOE	NUMBER(18,8)		The Lower6Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date value.
RAISE60SEC_ACE	NUMBER(18,8)		The Raise60Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
RAISE60SEC_ASOE	NUMBER(18,8)		The Raise60Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER60SEC_ACE	NUMBER(18,8)		The Lower60Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER60SEC_ASOE	NUMBER(18,8)		The Lower60Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
RAISE5MIN_ACE	NUMBER(18,8)		The Raise5Min FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
RAISE5MIN_ASOE	NUMBER(18,8)		The Raise5Min FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER5MIN_ACE	NUMBER(18,8)		The Lower5Min FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWER5MIN_ASOE	NUMBER(18,8)		The Lower5Min FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date

REACTIVEPOWER_ACE	NUMBER(18,8)		The Reactive Power Ancillary Service Recovery Amount for for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
REACTIVEPOWER_ASOE	NUMBER(18,8)		The Reactive Power Ancillary Service Recovery Amount for for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOADSHED_ACE	NUMBER(18,8)		The Load Shed Ancillary Service Recovery Amount for for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOADSHED_ASOE	NUMBER(18,8)		The Load Shed Ancillary Service Recovery Amount for for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
SYSTEMRESTART_ACE	NUMBER(18,8)		The System Restart Ancillary Service Recovery Amount for for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
SYSTEMRESTART_ASOE	NUMBER(18,8)		The System Restart Ancillary Service Recovery Amount for for the Participant and Region from ASOE MWh Portion. NULL for Billing Week prior to the IESS rule effective date,
AVAILABILITY_REACTIVE_ACE	NUMBER(18,8)		The Reactive Power Ancillary Service Availability Payment Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
AVAILABILITY_REACTIVE_ASOE	NUMBER(18,8)		The Reactive Power Ancillary Service Availability Payment Recovery Amount for the Participant and Region from ASOE MWh Portion. For Pre-IESS Settlement dates this column will have NULL value. For Pre-IESS Settlement dates this column will have NULL value.
AVAILABILITY_REACTIVE_RBT_ACE	NUMBER(18,8)		The Reactive Power Ancillary Service Availability Rebate Payment Recovery Amount for the Participant and Region from ACE MWh Portion. NULL for Billing Week prior to the IESS rule effective date
AVAILABILITY_REACTIVE_RBT_ASOE	NUMBER(18,8)		The Reactive Power Ancillary Service Availability Rebate Payment Recovery Amount for the Participant and Region from ASOE

			MWh Portion. NULL for Billing Week prior to the IESS rule effective date
LOWERREG_USED	NUMBER(18,8)		The FCAS Lower Reg Service Used Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
LOWERREG_UNUSED	NUMBER(18,8)		The FCAS Lower Reg Service Unused Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
RAISEREG_USED	NUMBER(18,8)		The FCAS Raise Reg Service Used Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
RAISEREG_UNUSED	NUMBER(18,8)		The FCAS Raise Reg Service Unused Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
LOWERREG_USED_ACE	NUMBER(18,8)		The FCAS Lower Reg Service Used ACE Residual Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
LOWERREG_USED_ASOE	NUMBER(18,8)		The FCAS Lower Reg Service Used ASOE Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
LOWERREG_USED_RESIDUAL	NUMBER(18,8)		LOWERREG_USED_ACE + LOWERREG_USED_ASOE
RAISEREG_USED_ACE	NUMBER(18,8)		The FCAS Raise Reg Service Used ACE Residual Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
RAISEREG_USED_ASOE	NUMBER(18,8)		The FCAS Raise Reg Service Used ASOE Residual Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
RAISEREG_USED_RESIDUAL	NUMBER(18,8)		RAISEREG_USED_ACE + RAISEREG_USED_ASOE
LOWERREG_UNUSED_ACE	NUMBER(18,8)		The FCAS Lower Reg Service Unused ACE Residual Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
LOWERREG_UNUSED_ASOE	NUMBER(18,8)		The FCAS Lower Reg Service Unused ASOE Residual Amount for the Billing Week. This

			column will be NULL for Billing Week Prior to FPP Rule Effective Date
LOWERREG_UNUSED_RESIDUAL	NUMBER(18,8)		LOWERREG_UNUSED_ACE + LOWERREG_UNUSED_ASOE
RAISEREG_UNUSED_ACE	NUMBER(18,8)		The FCAS Raise Reg Service Unused ACE Residual Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
RAISEREG_UNUSED_ASOE	NUMBER(18,8)		The FCAS Raise Reg Service Unused ASOE Residual Amount for the Billing Week. This column will be NULL for Billing Week Prior to FPP Rule Effective Date
RAISEREG_UNUSED_RESIDUAL	NUMBER(18,8)		RAISEREG_UNUSED_ACE + RAISEREG_UNUSED_ASOE

9.43 Table: BILLINGDAYTRK

9.43.1 BILLINGDAYTRK

Name	BILLINGDAYTRK
Comment	BILLINGDAYTRK is key for matching settlement versions with billing runs. BILLINGDAYTRK displays the billrunnos per billing week, and the settlement version numbers per settlement day comprising the billrunno.

9.43.2 Description

BILLINGDAYTRK is public data, and is available to all participants.

Source

BILLINGDAYTRK is populated by the posting of a billing run, being several times each week.

Volume

Each billing run inserts approximately 7 records, being about 77 records per week.

9.43.3 Notes

Name	Comment	Value
Visibility		Public

9.43.4 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

SETTLEMENTDATE

WEEKNO

9.43.5 Index Columns

Name

LASTCHANGED

9.43.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
SETTLEMENTDATE	DATE	X	Calendar Settlement Date contained in the billing run.
RUNNO	NUMBER(3,0)		Settlement run number used for each settlement date in that billing run.
LASTCHANGED	DATE		Last date and time record changed

9.44 Table: BILLINGFEES

9.44.1 BILLINGFEES

Name BILLINGFEES

Comment	BILLINGFEES presents pool fees applied to the statement, per billing run.

9.44.2 Description

BILLINGFEES data is confidential to the relevant participant.

Source

BILLINGFEES is populated by the posting of a billing run, being several times each week.

Volume

The number of records varies according to the number of pool fee types the participant may be subject to. An indicative maximum is about 13 records inserted per billrunno or 143 records inserted per week.

9.44.3 Notes

Name	Comment	Value
Visibility		Private

9.44.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
MARKETFEEID
PARTICIPANTCATEGORYID
PARTICIPANTID
WEEKNO

9.44.5 Index Columns

Name
LASTCHANGED

9.44.6 Index Columns

Name

PARTICIPANTID

9.44.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
MARKETFEEID	VARCHAR2(10)	X	Market fee identifier
RATE	NUMBER(15,5)		Market fee rate
ENERGY	NUMBER(16,6)		Energy, in MWh
VALUE	NUMBER(15,5)		Fee in $
LASTCHANGED	DATE		Last date and time record changed
PARTICIPANTCATEGORYID	VARCHAR2(10)	X	The participant category pertaining to the market fee recovery. Corresponds to the PARTICIPANTCATEGORYID column of the SETMARKETFEES table.

9.45 Table: BILLINGFINANCIALADJUSTMENTS

9.45.1 BILLINGFINANCIALADJUSTMENTS

Name BILLINGFINANCIALADJUSTMENTS

Comment BILLINGFINANCIALADJUSTMENTS contains any manual adjustments included in the billing run.

9.45.2 Description

BILLINGFINANCIALADJUSTMENTS data is confidential to the relevant participant.

Source

BILLINGFINANCIALADJUSTMENTS is populated by the posting of a billing run, being several times each week. The insertion of a manual adjustment in a billing run is infrequent.

Volume

Infrequent and, if included in a billing run, low volume. An indicative maximum is 15 records inserted.

9.45.3 Notes

Name	Comment	Value
Visibility		Private

9.45.4 Primary Key Columns

Name
ADJUSTMENTITEM
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

9.45.5 Index Columns

Name
LASTCHANGED

9.45.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January

WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PARTICIPANTTYPE	VARCHAR2(10)		Not Used
ADJUSTMENTITEM	VARCHAR2(64)	X	Description of the adjustment being made
AMOUNT	NUMBER(15,5)		The amount of the manual adjustment line item
VALUE	NUMBER(15,5)		Not Used
LASTCHANGED	DATE		Last date and time the record changed.
FINANCIALCODE	NUMBER(10,0)		The GL financial code of the manual adjustment line item. Used internally by AEMO systems.
BAS_CLASS	VARCHAR2(30)		The BAS classification of the manual adjustment line item.

9.46 Table: BILLINGINTERRESIDUES

9.46.1 BILLINGINTERRESIDUES

Name	BILLINGINTERRESIDUES
Comment	BILLINGINTERRESIDUES shows interregion residues payable to NSP.

9.46.2 Description

Source

Obsolete, was weekly with billing run.

9.46.3 Notes

Name	Comment	Value
Visibility		Private

9.46.4 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

INTERCONNECTORID

PARTICIPANTID

REGIONID

WEEKNO

9.46.5 Index Columns

Name

LASTCHANGED

9.46.6 Content

Name	Data Type	Mandatory	Comment
ALLOCATION	NUMBER(6,3)		May not be necessary
TOTALSURPLUS	NUMBER(15,5)		May not be necessary
INTERCONNECTORID	VARCHAR2(10)	X	Unique identifier for an interconnector which joins two regions.
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
SURPLUSVALUE	NUMBER(15,6)		Amount NSP is paid for Inter-Regional Residues

LASTCHANGED	DATE		Last date and time record changed
REGIONID	VARCHAR2(10)	X	Region ID

9.47 Table: BILLINGINTRARESIDUES

9.47.1 BILLINGINTRARESIDUES

Name	BILLINGINTRARESIDUES
Comment	BILLINGINTRARESIDUES shows intra-region settlement residue details for each Transmission Network Service Provider participant by region.

9.47.2 Description

BILLINGINTRARESIDUES is confidential to the relevant participant.

Source

BILLINGINTRARESIDUES is populated by the posting of a billing run, being several times each week.

Volume

An indicative maximum is two records inserted per billing run, or 22 records inserted per week.

9.47.3 Notes

Name	Comment	Value
Visibility		Private

9.47.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

9.47.5 Index Columns

Name

LASTCHANGED

9.47.6 Content

Name	Data Type	Mandatory	Comment
ALLOCATION	NUMBER(6,3)		TNSP allocation
TOTALSURPLUS	NUMBER(15,5)		Total $ residue amount for the region
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
SURPLUSVALUE	NUMBER(15,6)		Amount TNSP is paid for Intra-Regional Residues
LASTCHANGED	DATE		Last changed date
REGIONID	VARCHAR2(10)	X	Region ID

9.48 Table: BILLINGIRAUCSURPLUS

9.48.1 BILLINGIRAUCSURPLUS

Name BILLINGIRAUCSURPLUS

Comment BILLINGIRAUCSURPLUS supports the Settlements Residue Auction, by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Network Service Providers (NSPs) from the amount not auctioned.

9.48.2 Description

Source

Obsolete

Volume

This view contains a maximum of 30, 000 records per year.

9.48.3 Notes

Name	Comment	Value
Visibility		Private

9.48.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
WEEKNO

9.48.5 Index Columns

Name
LASTCHANGED

9.48.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year (calendar year)

WEEKNO	NUMBER(2,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	NUMBER(4,0)		Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	NUMBER(2,0)		Residue Contract Quarter
BILLRUNNO	NUMBER(3,0)	X	The sequential number of a billing run
CONTRACTID	VARCHAR2(30)	X	SRA Contract unique identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
TOTALRESIDUES	NUMBER(15,5)		Total residues allocated to participant
ADJUSTMENT	NUMBER(15,5)		Adjustment allocated to participant
LASTCHANGED	DATE		Date and time this record was last modified

9.49 Table: BILLINGIRAUCSURPLUSSUM

9.49.1 BILLINGIRAUCSURPLUSSUM

Name	BILLINGIRAUCSURPLUSSUM
Comment	BILLINGIRAUCSURPLUSSUM contains Auction fees and Settlements Residue Auction distribution that may arise from unpurchased auction units that accrue to Transmission Network Service Providers.

9.49.2 Description

BILLINGIRAUCSURPLUSSUM is confidential to the relevant participant.

Source

BILLINGIRAUCSURPLUSSUM is populated by the posting of a billing run where there are unpurchased auction units.

Volume

An indicative maximum is eight records inserted per billing run, or 88 records inserted per week.

9.49.3 Notes

Name	Comment	Value
Visibility		Private

9.49.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
QUARTER
RESIDUEYEAR
WEEKNO

9.49.5 Index Columns

Name
LASTCHANGED

9.49.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Contracted Year (calendar year)
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	NUMBER(4,0)	X	Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	NUMBER(2,0)	X	Residue Contract Quarter

BILLRUNNO	NUMBER(3,0)	X	The sequential number of a billing run
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
TOTALSURPLUS	NUMBER(15,5)		Total residue amount allocated to participant
AUCTIONFEES	NUMBER(15,5)		Total auction fees payable in this week (negative amount). If AUCTIONFEES + AUCTIONFEES_GST >= TOTALSURPLUS then ACTUALPAYMENT is zero
ACTUALPAYMENT	NUMBER(15,5)		Net payment to participant, including auction fees
AUCTIONFEES_GST	NUMBER(15,5)		The GST amount on the auction fees, always being zero.
LASTCHANGED	DATE		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA.
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP.
NEGATIVE_RESIDUES	NUMBER(18,8)		Negative residues in the billing week for this participant in the SRA Year/Quarter

9.50 Table: BILLINGIRFM

9.50.1 BILLINGIRFM

Name BILLINGIRFM

Comment BILLINGIRFM shows billing amounts associated with Industrial Relations Forced Majeure events for each participant.

9.50.2 Description

BILLINGIRFM is confidential to the relevant participant.

Source

BILLINGIRFM is updated with each billing run as required.

9.50.3 Notes

Name	Comment	Value
Visibility		Private

9.50.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

9.50.5 Index Columns

Name
LASTCHANGED

9.50.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Settlement Year
WEEKNO	NUMBER(3,0)	X	Week number starting 1 Jan each year.
BILLRUNNO	NUMBER(3,0)	X	Unique bill run
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
IRFMPAYMENT	NUMBER(15,5)		Industrial Relations Forced Majeure payment for the billing period.
LASTCHANGED	DATE		Last changed.

9.51 Table: BILLINGIRNSPSURPLUS

9.51.1 BILLINGIRNSPSURPLUS

Name	BILLINGIRNSPSURPLUS
Comment	BILLINGIRNSPSURPLUS supports the Settlements Residue Auction (SRA), by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Transmission Network Service Providers (TNSP) from the amount paid by participants (i.e. derogated amounts).

9.51.2 Description

BILLINGIRNSPSURPLUS data is confidential to the relevant participant.

Source

BILLINGIRNSPSURPLUS updates in a billing run where any derogated Settlement Residue Auction purchase flows to a TNSP.

Volume

BILLINGIRNSPSURPLUS contains a maximum of 30, 000 records per year.

9.51.3 Notes

Name	Comment	Value
Visibility		Private

9.51.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
WEEKNO

9.51.5 Index Columns

Name

LASTCHANGED

9.51.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(2,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	NUMBER(4,0)		Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	NUMBER(2,0)		Residue Contract Quarter
BILLRUNNO	NUMBER(3,0)	X	The sequential number of a billing run
CONTRACTID	VARCHAR2(30)	X	SRA Contract unique identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
TOTALRESIDUES	NUMBER(15,5)		Total residues allocated to participant
ADJUSTMENT	NUMBER(15,5)		Adjustment allocated to participant
LASTCHANGED	DATE		Date and time this record was last modified

9.52 Table: BILLINGIRNSPSURPLUSSUM

9.52.1 BILLINGIRNSPSURPLUSSUM

Name BILLINGIRNSPSURPLUSSUM

Comment BILLINGIRNSPSURPLUSSUM contains derogated payments made to TNSPs arising from the Settlements Residue Auction process.

9.52.2 Description

BILLINGIRNSPSURPLUSSUM data is confidential to the relevant participant.

Source

BILLINGIRNSPSURPLUSSUM is populated by the posting of a billing run where derogated payments apply.

Volume

An indicative maximum is two records inserted per billing run, or 22 records inserted per week.

9.52.3 Notes

Name	Comment	Value
Visibility		Private

9.52.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
QUARTER
RESIDUEYEAR
WEEKNO

9.52.5 Index Columns

Name
LASTCHANGED

9.52.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year (calendar year)
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	NUMBER(4,0)	X	Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	NUMBER(2,0)	X	SRA Contracted Quarter
BILLRUNNO	NUMBER(3,0)	X	The sequential number of a billing run
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
TOTALSURPLUS	NUMBER(15,5)		Total residue amount allocated to participant
AUCTIONFEES	NUMBER(15,5)		This field is 0.
AUCTIONFEES_GST	NUMBER(15,5)		The GST amount on the auction fees, always being zero.
LASTCHANGED	DATE		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA.
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP.

9.53 Table: BILLINGIRPARTSURPLUS

9.53.1 BILLINGIRPARTSURPLUS

Name BILLINGIRPARTSURPLUS

Comment BILLINGIRPARTSURPLUS supports the Settlements Residue Auction, by showing the weekly billing SRA distribution to Auction participants by Contract Identifier.

9.53.2 Description

BILLINGIRPARTSURPLUS data is confidential to the relevant participant.

Source

BILLINGIRPARTSURPLUS is populated by the posting of a billing run where the participant has purchased auction units relating to that billing run.

Volume

An indicative maximum is 64 records inserted per billing run, or 700 records inserted per week.

9.53.3 Notes

Name	Comment	Value
Visibility		Private

9.53.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
WEEKNO

9.53.5 Index Columns

Name
LASTCHANGED

9.53.6 Content

Name	Data Type	Mandatory	Comment

CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year (calendar year)
WEEKNO	NUMBER(2,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	NUMBER(4,0)		Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	NUMBER(2,0)		Residue Contract Quarter
BILLRUNNO	NUMBER(3,0)	X	The sequential number of a billing run
CONTRACTID	VARCHAR2(30)	X	SRA Contract unique identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
TOTALRESIDUES	NUMBER(15,5)		Total residues allocated to participant
ADJUSTMENT	NUMBER(15,5)		Adjustment allocated to participant
LASTCHANGED	DATE		Date and time this record was last modified
ACTUALPAYMENT	NUMBER(15,5)		Net actual payment to participant, including auction fees

9.54 Table: BILLINGIRPARTSURPLUSSUM

9.54.1 BILLINGIRPARTSURPLUSSUM

Name BILLINGIRPARTSURPLUSSUM

Comment BILLINGIRPARTSURPLUSSUM supports the Settlements Residue Auction, by showing the weekly billing SRA distribution and associated fees to Auction participants.

9.54.2 Description

BILLINGIRPARTSURPLUSSUM data is confidential to the relevant participant.

Source

BILLINGIRPARTSURPLUSSUM is populated by the posting of a billing run where the participant has purchased auction units relating to that billing run.

Volume

An indicative maximum is 16 records inserted per billing run, or 166 records inserted per week.

9.54.3 Notes

Name	Comment	Value
Visibility		Private

9.54.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
QUARTER
RESIDUEYEAR
WEEKNO

9.54.5 Index Columns

Name
RESIDUEYEAR
QUARTER

9.54.6 Index Columns

Name
LASTCHANGED

9.54.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year (calendar year)
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	NUMBER(4,0)	X	Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	NUMBER(2,0)	X	Residue Contract Quarter
BILLRUNNO	NUMBER(3,0)	X	The sequential number of a billing run
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
TOTALSURPLUS	NUMBER(15,5)		Total residue amount allocated to participant
AUCTIONFEES	NUMBER(15,5)		Total auction fees payable in this week (negative amount). If AUCTIONFEES + AUCTIONFEES_GST >= TOTALSURPLUS then ACTUALPAYMENT is zero.
ACTUALPAYMENT	NUMBER(15,5)		Net payment to participant, including auction fees
AUCTIONFEES_GST	NUMBER(15,5)		The GST amount on the auction fees, always being zero.
LASTCHANGED	DATE		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA.
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP.
AUCTIONFEES_TOTALGROSS_ADJ	Number(18,8)		The adjusted total Auction fees for the Directional Interconnector. Calculated as the amount of the total fees due from the SRA Auction Participant, pro-rated based on the total surplus for each Directional Interconnector the SRA Auction Participant contracted.

9.55 Table: BILLINGPRIORADJUSTMENTS

9.55.1 BILLINGPRIORADJUSTMENTS

Name	BILLINGPRIORADJUSTMENTS
Comment	BILLINGPRIORADJUSTMENTS sets out prior period adjustments and associated interest inserted in subsequent Final Statements arising from Revision Statement postings.

9.55.2 Description

BILLINGPRIORADJUSTMENTS data is confidential to the relevant participant.

Source

BILLINGPRIORADJUSTMENTS is populated on the posting of a Final billing run only.

Volume

Approximately two records inserted per week.

Note

Actual adjustment payable is ADJAMOUNT - PERAMOUNT + INTEREST AMOUNT.

9.55.3 Notes

Name	Comment	Value
Visibility		Private

9.55.4 Primary Key Columns

Name
ADJBILLRUNNO
ADJCONTRACTYEAR
ADJWEEKNO
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

9.55.5 Index Columns

Name

LASTCHANGED

9.55.6 Index Columns

Name

PARTICIPANTID

LASTCHANGED

9.55.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Settlement year.
WEEKNO	NUMBER(3,0)	X	Settlement week number.
BILLRUNNO	NUMBER(3,0)	X	Billing run number.
ADJCONTRACTYEAR	NUMBER(4,0)	X	ContractYear of the posted revision statement inserted to the Final Statement
ADJWEEKNO	NUMBER(3,0)	X	WeekNo of the posted revision statement inserted to the Final Statement
ADJBILLRUNNO	NUMBER(3,0)	X	Bill run number of the posted revision statement inserted to the Final Statement
PARTICIPANTID	VARCHAR2(10)	X	Participant ID
PREVAMOUNT	NUMBER(15,5)		Statement total of the previous posted revision statement inserted to the Final Statement.
ADJAMOUNT	NUMBER(15,5)		Adjusted amount.
IRN	NUMBER(15,5)		Interest rate applied to the revision adjustment
IRP	NUMBER(15,5)		unused; always null
INTERESTAMOUNT	NUMBER(15,5)		Interest amount.
LASTCHANGED	DATE		Last changed.

IRSR_PREVAMOUNT	NUMBER(15,5)		unused; always null
IRSR_ADJAMOUNT	NUMBER(15,5)		unused; always null
IRSR_INTERESTAMOUNT	NUMBER(15,5)		unused; always null

9.56 Table: BILLINGREALLOC

9.56.1 BILLINGREALLOC

Name	BILLINGREALLOC
Comment	BILLINGREALLOC shows reallocation contract values in each billing run, where participants have used reallocations.

9.56.2 Description

BILLINGREALLOC data is confidential to the relevant participant.

Source

BILLINGREALLOC is populated by the posting of a billing run.

Volume

An indicative maximum is two records inserted per billing run, or 22 records inserted per week.

9.56.3 Notes

Name	Comment	Value
Visibility		Private

9.56.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
COUNTERPARTY
PARTICIPANTID
WEEKNO

9.56.5 Index Columns

Name

LASTCHANGED

9.56.6 Index Columns

Name

PARTICIPANTID

9.56.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
COUNTERPARTY	VARCHAR2(10)	X	Participant who is the counter party to this contract
VALUE	NUMBER(15,5)		Value billed on this contract
LASTCHANGED	DATE		Last date and time record changed

9.57 Table: BILLINGREALLOC_DETAIL

9.57.1 BILLINGREALLOC_DETAIL

Name BILLINGREALLOC_DETAIL

Comment Billing Reallocation Data aggregated by REALLOCATIONID for each billing run over the billing week.

9.57.2 Description

The BILLINGREALLOC_DETAIL table that will give a breakdown of the reallocations that form part of that billing run. This assists participants in their settlement reconciliation process.

Private data

Volume max 100 rows per day

9.57.3 Notes

Name	Comment	Value
Visibility		Private

9.57.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
COUNTERPARTY
PARTICIPANTID
REALLOCATIONID
WEEKNO

9.57.5 Index Columns

Name
LASTCHANGED

9.57.6 Content

Name	Data Type	Mandatory	Comment

CONTRACTYEAR	NUMBER(4,0)	X	BILLING CONTRACTYEAR
WEEKNO	NUMBER(3,0)	X	BILLING WEEKNO
BILLRUNNO	NUMBER(3,0)	X	BILLING RUN NO
PARTICIPANTID	VARCHAR2(10)	X	REALLOCATION PARTICIPANTID
COUNTERPARTY	VARCHAR2(10)	X	REALLOCATION COUNTERPARTY PARTICIPANTID
REALLOCATIONID	VARCHAR2(20)	X	REALLOCATIONID
VALUE	NUMBER(15,5)		REALLOCATION VALUE
LASTCHANGED	DATE		DATETIME WHEN RECORD SAVED

9.58 Table: BILLINGREGIONEXPORTS

9.58.1 BILLINGREGIONEXPORTS

Name	BILLINGREGIONEXPORTS
Comment	BILLINGREGIONEXPORTS sets out the region summary table of overall energy exported to and from each region for each billing run.

9.58.2 Description

BILLINGREGIONEXPORTS data is public, and is available to all participants.

Source

BILLINGREGIONEXPORTS is populated by the posting of a billing run.

Volume

Eight records inserted per billing run, or 88 records inserted per week.

9.58.3 Notes

Name	Comment	Value
Visibility		Public

9.58.4 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

EXPORTTO

REGIONID

WEEKNO

9.58.5 Index Columns

Name

LASTCHANGED

9.58.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
REGIONID	VARCHAR2(10)	X	Unique region identifier
EXPORTTO	VARCHAR2(10)	X	Region exported to
ENERGY	NUMBER(16,6)		MWh Energy value exported
VALUE	NUMBER(15,5)		$ Value of energy exported
SURPLUSENERGY	NUMBER(16,6)		This field is populated with 0
SURPLUSVALUE	NUMBER(15,5)		$ Interregional residue
LASTCHANGED	DATE		Last date and time record changed

9.59 Table: BILLINGREGIONFIGURES

9.59.1 BILLINGREGIONFIGURES

Name	BILLINGREGIONFIGURES
Comment	BILLINGREGIONFIGURES sets out additional summary region details including ancillary service amounts for each billing run.

9.59.2 Description

BILLINGREGIONFIGURES is public data, and is available to all participants.

Source

BILLINGREGIONFIGURES is populated by the posting of a billing run.

Volume

Five records inserted per billing run, or 55 records inserted per week.

9.59.3 Notes

Name	Comment	Value
Visibility		Public

9.59.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
REGIONID
WEEKNO

9.59.5 Index Columns

Name
LASTCHANGED

9.59.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
REGIONID	VARCHAR2(10)	X	Unique region identifier
ENERGYOUT	NUMBER(16,6)		MWh Energy output in the region during the billing period
VALUEOUT	NUMBER(16,6)		$ Value of energy output in region during billing period
ENERGYPURCHASED	NUMBER(16,6)		MWh Amount of energy purchased in region during billing period
VALUEPURCHASED	NUMBER(16,6)		$ Value of energy purchased during billing period
EXCESSGEN	NUMBER(16,6)		This field is populated with 0
RESERVETRADING	NUMBER(16,6)		This field is populated with 0
INTCOMPO	NUMBER(16,6)		This field is populated with 0
ADMINPRICECOMPO	NUMBER(16,6)		This field is populated with 0
SETTSURPLUS	NUMBER(16,6)		Intraregional residues in $
ASPAYMENT	NUMBER(16,6)		Ancillary service payments in $
POOLFEES	NUMBER(16,6)		This field is populated with 0
LASTCHANGED	DATE		Last date and time record changed
WDRSQ	NUMBER(18,8)		WDR Settlement Quantity Capped in MWh
WDRTA	NUMBER(18,8)		WDR transaction amount in $

9.60 Table: BILLINGREGIONIMPORTS

9.60.1 BILLINGREGIONIMPORTS

Name	BILLINGREGIONIMPORTS
Comment	BILLINGREGIONIMPORTS sets out the region summary table of overall energy imported to and from each region for each billing run.

9.60.2 Description

BILLINGREGIONIMPORTS is public data, and is available to all participants.

Source

BILLINGREGIONIMPORTS is populated by the posting of a billing run.

Volume

Eight records inserted per billing run, or 88 records inserted per week.

9.60.3 Notes

Name	Comment	Value
Visibility		Public

9.60.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
IMPORTFROM
REGIONID
WEEKNO

9.60.5 Index Columns

Name
LASTCHANGED

9.60.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
REGIONID	VARCHAR2(10)	X	Unique region identifier
IMPORTFROM	VARCHAR2(10)	X	Region energy imported from
ENERGY	NUMBER(16,6)		Amount of energy imported
VALUE	NUMBER(15,5)		Value of energy imported
SURPLUSENERGY	NUMBER(16,6)		Populated with 0
SURPLUSVALUE	NUMBER(15,5)		Interregional residue
LASTCHANGED	DATE		Last date and time record changed

9.61 Table: BILLINGRUNTRK

9.61.1 BILLINGRUNTRK

Name BILLINGRUNTRK

Comment BILLINGRUNTRK identifies the Statement type (i.e. Status of PRELIM, FINAL, REVISE) and date of the BillRunNo posted, per WeekNo. This provides a further extension of tracking data from the BILLINGDAYTRK table.

9.61.2 Description

BILLINGRUNTRK is public data, and is available to all participants.

Source

BILLINGRUNTRK is populated by the posting of a billing run.

Volume

An indicative maximum is one record inserted per billing run, or 11 records inserted per week.

9.61.3 Notes

Name	Comment	Value
Visibility		Public

9.61.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
WEEKNO

9.61.5 Index Columns

Name
LASTCHANGED

9.61.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Year of the run
WEEKNO	NUMBER(3,0)	X	Week number of the run
BILLRUNNO	NUMBER(3,0)	X	Sequential run number
STATUS	VARCHAR2(6)		The billing run type, PRELIM, FINAL, REVISE or INTERIM
ADJ_CLEARED	VARCHAR2(1)		Flag
AUTHORISEDDATE	DATE		null, since not used
AUTHORISEDBY	VARCHAR2(10)		null, since not used
POSTDATE	DATE		When the results were posted

POSTBY	VARCHAR2(10)		Who posted the results
LASTCHANGED	DATE		Last date and time record changed
RECEIPTPOSTDATE	DATE		null, since not used
RECEIPTPOSTBY	VARCHAR2(10)		null, since not used
PAYMENTPOSTDATE	DATE		When the payment was posted
PAYMENTPOSTBY	VARCHAR2(10)		Who posted the payment
SHORTFALL	NUMBER(16,6)		Payment shortfall amount
MAKEUP	NUMBER(15,5)		Not Used
REVISIONINDEX	NUMBER(3,0)		Revision Run Type

9.62 Table: BILLRESERVETRADERPAYMENT

9.62.1 BILLRESERVETRADERPAYMENT

Name BILLRESERVETRADERPAYMENT

Comment Details of the RERT Usage and Availability Payments made to the participant.

9.62.2 Notes

Name	Comment	Value
Visibility		Private

9.62.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTID

CONTRACTYEAR

PAYMENT_ID

WEEKNO

9.62.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing contract year
WEEKNO	NUMBER(3,0)	X	Billing week number
BILLRUNNO	NUMBER(3,0)	X	Billing posted run number
PARTICIPANTID	VARCHAR2(20)		Participant identifier.
CONTRACTID	VARCHAR2(20)	X	RERT payment contract ID
PAYMENT_ID	NUMBER(3,0)	X	RERT payment number
PAYMENT_TYPE	VARCHAR2(40)		Description for the reserve trader contract payment amount.
PAYMENT_AMOUNT	NUMBER(18,8)		RERT payment amount for the payment type

9.63 Table: BILLRESERVETRADERRECOVERY

9.63.1 BILLRESERVETRADERRECOVERY

Name BILLRESERVETRADERRECOVERY

Comment Provides details of the RERT Recovery Amount for the Market Customers.

9.63.2 Notes

Name	Comment	Value
Visibility		Private

9.63.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

PAYMENT_ID

PUBLICATION_ID

REGIONID

WEEKNO

9.63.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing contract year
WEEKNO	NUMBER(3,0)	X	Billing week number
BILLRUNNO	NUMBER(3,0)	X	Billing posted run number
PUBLICATION_ID	VARCHAR2(40)	X	Unique Publication Identifier for RERT Payment
PAYMENT_ID	NUMBER(3,0)	X	RERT payment number
PAYMENT_AMOUNT	NUMBER(18,8)		RERT payment amount
PARTICIPANTID	VARCHAR2(20)	X	Participant identifier.
REGIONID	VARCHAR2(20)	X	Region from which the amount is recovered
PARTICIPANT_DEMAND	NUMBER(18,8)		Participant Demand Value used for RERT Recovery. NULL for Billing Week post the IESS rule effective date.
REGION_DEMAND	NUMBER(18,8)		Region Demand Value used for RERT Recovery. NULL for Billing Week post the IESS rule effective date.
ELIGIBILITY_START_INTERVAL	DATE		Starting Period of RERT Recovery for Usage Payments
ELIGIBILITY_END_INTERVAL	DATE		Ending Period of RERT Recovery for Usage Payments
RECOVERY_AMOUNT	NUMBER(18,8)		Recovery Amount applicable for each Market Customer
EXCLUDED_ENERGY	NUMBER(18,8)		The Energy Value (Scheduled Loads) that is excluded

PARTICIPANT_ACE_MWH	NUMBER(18,8)		The Participant ACE MWh Value used in the Recovery of the RERT Amount. NULL for Billing Week prior to the IESS rule effective date
REGION_ACE_MWH	NUMBER(18,8)		The Region ACE MWh Value used in the Recovery of the RERT Amount. NULL for Billing Week prior to the IESS rule effective date

9.64 Table: BILLWHITEHOLE

9.64.1 BILLWHITEHOLE

Name	BILLWHITEHOLE
Comment	BILLWHITEHOLE shows white hole payments based on participant vs region demand.

9.64.2 Description

Confidential

Source

Obsolete; was updated weekly with each billing run.

9.64.3 Notes

Name	Comment	Value
Visibility		Private

9.64.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
INTERCONNECTORID
PARTICIPANTID
WEEKNO

9.64.5 Index Columns

Name

LASTCHANGED

9.64.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(22,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(22,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(22,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
NL	NUMBER(15,6)		Sum of billing week (RRP * interconnector flow)
PARTICIPANTDEMAND	NUMBER(15,6)		The sum of all customer purchases in MWh
REGIONDEMAND	NUMBER(15,6)		Sum of all region purchases in MWh
WHITEHOLEPAYMENT	NUMBER(15,6)		Payment in $
LASTCHANGED	DATE		The latest date and time that a file was updated or inserted
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector ID

10 Package: DEMAND_FORECASTS

Name DEMAND_FORECASTS

Comment Regional Demand Forecasts and Intermittent Generation forecasts.

10.1 List of tables

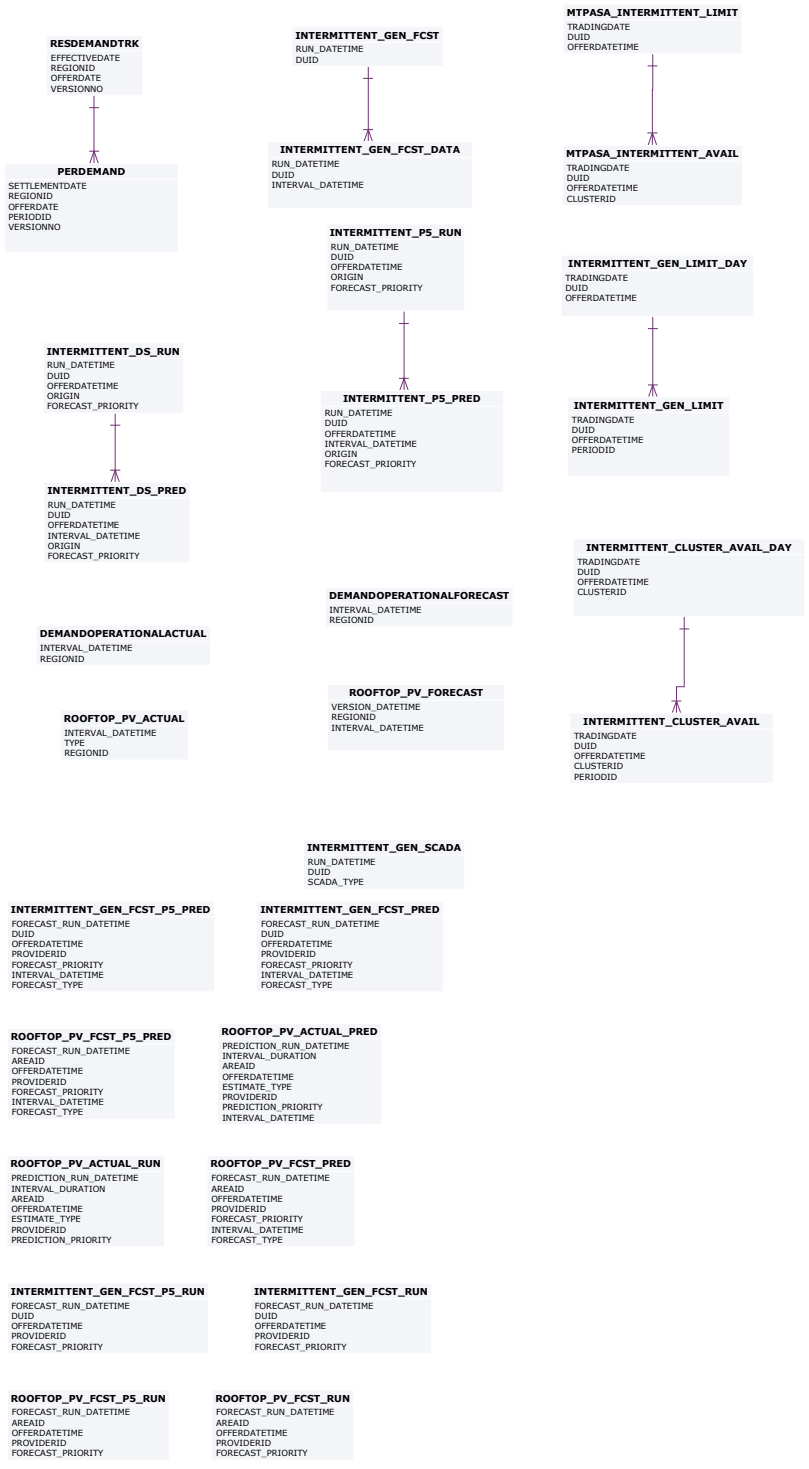
Name	Comment	Visibility
DEMANDOPERATIONALACTUAL	Shows Actual Operational Demand for a particular date time interval.	Public
DEMANDOPERATIONALFORECAST	Shows Forecast Operational Demand for a particular date time interval.	Public
INTERMITTENT_CLUSTER_AVAIL	A submission of expected plant availability for an intermittent generating unit cluster, by Trading Day and Trading Interval.	Private & Public Next-Day
INTERMITTENT_CLUSTER_AVAIL_DAY	Summary record for an availability submission for an intermittent generating unit cluster for a Trading Day.	Private & Public Next-Day
INTERMITTENT_DS_PRED	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch	Private & Public Next-Day
INTERMITTENT_DS_RUN	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch.	Private & Public Next-Day
INTERMITTENT_GEN_FCST	Identifying record for a given forecast of an intermittent generation. This table is the version table for the INTERMITTENT_GEN_FCST_DATA table which stores the individual forecast values. AEMO plans to remove this table in a Data Model version release after 5.6.	Private
INTERMITTENT_GEN_FCST_DATA	Stores the forecast generation (MW) for each interval within a given forecast of an intermittent generator. AEMO plans to remove this table in a Data Model version release after 5.6.	Private
INTERMITTENT_GEN_FCST_P5_PRED	Contains forecast predictions for intermittent wind and solar units, with a 5-minute resolution over the hour-ahead P5MIN timeframe. This is the child table of the parent table INTERMITTENT_GEN_FCST_P5_RUN, which contains the corresponding forecast runs.	Private & Public Next-Day

INTERMITTENT_GEN_FCST_P5_RUN	Contains forecast runs for intermittent wind and solar units, with a 5-minute resolution over the hour-ahead P5MIN timeframe. This is the parent table to the child table INTERMITTENT_GEN_FCST_P5_PRED, which contains the corresponding forecast predictions over the full horizon.	Private & Public Next-Day
INTERMITTENT_GEN_FCST_PRED	Contains forecast predictions for intermittent wind and solar units, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the child table of the parent table INTERMITTENT_GEN_FCST_RUN, which contains the corresponding forecast runs.	Private & Public Next-Day
INTERMITTENT_GEN_FCST_RUN	Contains forecast runs for intermittent wind and solar units, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the parent table to the child table INTERMITTENT_GEN_FCST_PRED, which contains the corresponding forecast predictions over the full horizon.	Private & Public Next-Day
INTERMITTENT_GEN_LIMIT	A submission of Upper MW Limit for an intermittent generating unit, by Trading Day and Trading Interval	Private & Public Next-Day
INTERMITTENT_GEN_LIMIT_DAY	Summary record for an Upper MW Limit submission for an intermittent generating unit for a Trading Day	Private & Public Next-Day
INTERMITTENT_GEN_SCADA	INTERMITTENT_GEN_SCADA provides the SCADA Availability for every intermittent generating unit, including Elements Available (wind turbines/solar inverters) and Local Limit	Private & Public Next-Day
INTERMITTENT_P5_PRED	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch. AEMO plans to remove this table in a Data Model version release after 5.6.	Private
INTERMITTENT_P5_RUN	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch. AEMO plans to remove this table in a Data Model version release after 5.6.	Private
MTPASA_INTERMITTENT_AVAIL	A submission of expected plant availability for intermittent generators for use in MTPASA intermittent generation forecasts	Private
MTPASA_INTERMITTENT_LIMIT	A submission of expected maximum availability for intermittent generators for use in MTPASA intermittent generation forecasts	Private

PERDEMAND	PERDEMAND sets out the regional demands and MR schedule data for each half-hour period. PERDEMAND is a child table to RESDEMANDTRK.	Public
RESDEMANDTRK	RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. RESDEMANDTRK and PERDEMAND have a parent/child relationship, and are for defined forecast regional demands since market start. RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. PERDEMAND defines the numerical forecast values for each trading interval of a the trading day for that region. A complete trading day forecast for one region consists of one RESDEMANDTRK record and 48 PERDEMAND records.	Public
ROOFTOP_PV_ACTUAL	Estimate of regional Rooftop Solar actual generation for each half-hour interval in a day. AEMO plans to remove this table in a Data Model version release after 5.6.	Public
ROOFTOP_PV_ACTUAL_PRED	Contains predictions for rooftop PV area estimated actuals, with a 5-minute and 30-minute resolution for different estimate types. This is the child table of the parent table ROOFTOP_PV_ACTUAL_RUN, which contains the corresponding actual prediction runs.	Public
ROOFTOP_PV_ACTUAL_RUN	Contains prediction runs for rooftop PV area estimated actuals, with a 5-minute and 30-minute resolution for different estimate types. This is the parent table to the child table ROOFTOP_PV_ACTUAL_PRED, which contains the corresponding actual predictions.	Public
ROOFTOP_PV_FCST_P5_PRED	Contains forecast predictions for rooftop PV areas, with a 5-minute resolution over the hour-ahead DS/P5MIN timeframe. This is the child table of the parent table ROOFTOP_PV_FCST_P5_RUN, which contains the corresponding forecast runs.	Public
ROOFTOP_PV_FCST_P5_RUN	Contains forecast runs for rooftop PV areas, with a 5-minute resolution over the hour-ahead DS/P5MIN timeframe. This is the parent table to the child table ROOFTOP_PV_FCST_P5_PRED, which contains the corresponding forecast predictions over the full horizon.	Public
ROOFTOP_PV_FCST_PRED	Contains forecast predictions for rooftop PV areas, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the child table of the	Public

	parent table ROOFTOP_PV_FCST_RUN, which contains the corresponding forecast runs.	
ROOFTOP_PV_FCST_RUN	Contains forecast runs for rooftop PV areas, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the parent table to the child table ROOFTOP_PV_FCST_PRED, which contains the corresponding forecast predictions over the full horizon.	Public
ROOFTOP_PV_FORECAST	Regional forecasts of Rooftop Solar generation across the half-hour intervals over 8 days. AEMO plans to remove this table in a Data Model version release after 5.6.	Public

10.2 Diagram: Entities: Demand Forecasts



10.3 Table: DEMANDOPERATIONALACTUAL

10.3.1 DEMANDOPERATIONALACTUAL

Name	DEMANDOPERATIONALACTUAL
Comment	Shows Actual Operational Demand for a particular date time interval.

10.3.2 Notes

Name	Comment	Value
Visibility		Public

10.3.3 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID

10.3.4 Index Columns

Name
INTERVAL_DATETIME
REGIONID

10.3.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	date	X	Date time interval for operational demand value
REGIONID	Varchar2(20)	X	Region identifier
OPERATIONAL_DEMAND	number(10,0)		Average 30-minute measured operational demand MW value (unadjusted)

LASTCHANGED	date		Last date and time record changed
OPERATIONAL_DEMAND_ADJUSTMENT	NUMBER(10,0)		Adjustment value containing the estimated amount of activated RERT and involuntary load shedding that occurred as a result of a NER 4.8.9 instruction for load shedding from AEMO.
WDR_ESTIMATE	NUMBER(10)		Estimated average 30-minute MW amount of Wholesale Demand Response that occurred

10.4 Table: DEMANDOPERATIONALFORECAST

10.4.1 DEMANDOPERATIONALFORECAST

Name DEMANDOPERATIONALFORECAST

Comment Shows Forecast Operational Demand for a particular date time interval.

10.4.2 Notes

Name	Comment	Value
Visibility		Public

10.4.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

10.4.4 Index Columns

Name

INTERVAL_DATETIME

REGIONID

10.4.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	date	X	Forecast for a particular date time interval
REGIONID	Varchar2(20)	X	Region identifier
LOAD_DATE	date		Date time this forecast was produced
OPERATIONAL_DEMAND_POE10	number(15,2)		10% probability of exceedance operational demand forecast value
OPERATIONAL_DEMAND_POE50	number(15,2)		50% probability of exceedance operational demand forecast value
OPERATIONAL_DEMAND_POE90	number(15,2)		90% probability of exceedance operational demand forecast value
LASTCHANGED	date		Last date and time record changed

10.5 Table: INTERMITTENT_CLUSTER_AVAIL

10.5.1 INTERMITTENT_CLUSTER_AVAIL

Name INTERMITTENT_CLUSTER_AVAIL

Comment A submission of expected plant availability for an intermittent generating unit cluster, by Trading Day and Trading Interval.

10.5.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.5.3 Primary Key Columns

Name

CLUSTERID

DUID

OFFERDATETIME

PERIODID

TRADINGDATE

10.5.4 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	DATE	X	The trading day to which the availability submission applies
DUID	VARCHAR2(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	DATE	X	Date and Time when this cluster availability submission was loaded
CLUSTERID	VARCHAR2(20)	X	Unique Cluster Identifier for this cluster within the DUID
PERIODID	NUMBER(3,0)	X	Trading interval number (1...48) within this TRADINGDATE for which ELEMENTS_UNAVAILABLE applies
ELEMENTS_UNAVAILABLE	NUMBER(5,0)		Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are not available for this TRADINGDATE and PERIODID (scheduled maintenance in AWEFS/ASEFS). Value between 0 and the registered Number of Cluster Elements.Value = 0 means no elements unavailable
ELEMENTS_AVAILABLE	NUMBER(5,0)		Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are available for this TRADINGDATE and PERIODID (scheduled maintenance in AWEFS/ASEFS). Value between 0 and the registered Number of Cluster Elements. Value = 0 means no elements available

10.6 Table: INTERMITTENT_CLUSTER_AVAIL_DAY

10.6.1 INTERMITTENT_CLUSTER_AVAIL_DAY

Name INTERMITTENT_CLUSTER_AVAIL_DAY

Comment	Summary record for an availability submission for an intermittent generating unit cluster for a Trading Day.

10.6.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.6.3 Primary Key Columns

Name
CLUSTERID
DUID
OFFERDATETIME
TRADINGDATE

10.6.4 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	DATE	X	Trading Day for which this cluster availability submission applies
DUID	VARCHAR2(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	DATE	X	Date and Time when this cluster availability submission was loaded
CLUSTERID	VARCHAR2(20)	X	Unique Cluster Identifier for this cluster within the DUID

10.7 Table: INTERMITTENT_DS_PRED

10.7.1 INTERMITTENT_DS_PRED

Name	INTERMITTENT_DS_PRED

Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch

10.7.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.7.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

INTERVAL_DATETIME

OFFERDATETIME

ORIGIN

RUN_DATETIME

10.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date and Time when the forecast applies (dispatch interval ending)
DUID	VARCHAR2(20)	X	DUID (or Area for non-scheduled) where this forecast applies
OFFERDATETIME	DATE	X	Date and Time when this forecast submission was loaded
INTERVAL_DATETIME	DATE	X	Date and Time when the forecast applies (dispatch interval ending)
ORIGIN	VARCHAR2(20)	X	Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor)
FORECAST_PRIORITY	NUMBER(10,0)	X	Unsuppressed forecasts with higher priority values are used in Dispatch in preference to

			unsuppressed forecasts with lower priority values
FORECAST_MEAN	NUMBER(18,8)		Forecast MW value for this interval_DateTime
FORECAST_POE10	NUMBER(18,8)		Forecast 10% POE MW value for this interval_DateTime
FORECAST_POE50	NUMBER(18,8)		Forecast 50% POE MW value for this interval_DateTime. Used in Dispatch.
FORECAST_POE90	NUMBER(18,8)		Forecast 90% POE MW value for this interval_DateTime

10.8 Table: INTERMITTENT_DS_RUN

10.8.1 INTERMITTENT_DS_RUN

Name INTERMITTENT_DS_RUN

Comment Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch.

10.8.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.8.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

OFFERDATETIME

ORIGIN

RUN_DATETIME

10.8.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date and Time where the forecast applies (dispatch interval ending)
DUID	Varchar2(20)	X	DUID (or Area for non-scheduled) where this forecast applies
OFFERDATETIME	DATE	X	Date and Time when this forecast submission was loaded.
ORIGIN	Varchar2(20)	X	Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor)
FORECAST_PRIORITY	NUMBER(10,0)	X	Unsuppressed forecasts with higher priority values are used in Dispatch in preference to unsuppressed forecasts with lower priority values.
AUTHORISEDBY	Varchar2(20)		Authorising officer of this forecast (applicable for participant forecasts only). This column is not made available to the public.
COMMENTS	Varchar2(200)		Comments relating to the forecast. This column is not made available to the public.
LASTCHANGED	DATE		Last date and time the record changed.
MODEL	Varchar2(30)		Metadata relating to the forecast. This column is not made available to the public.
PARTICIPANT_TIMESTAMP	DATE		Participant can document when the forecast was created
SUPPRESSED_AEMO	NUMBER(1,0)		Was this forecast suppressed by AEMO? Suppressed = 1,Not suppressed =0
SUPPRESSED_PARTICIPANT	NUMBER(1,0)		Was this forecast suppressed by the participant? Suppressed submissions may not be used, Suppressed = 1, Not suppressed =0
TRANSACTION_ID	Varchar2(100)		Uniquely identifies this interaction

10.9 Table: INTERMITTENT_GEN_FCST

10.9.1 INTERMITTENT_GEN_FCST

Name	INTERMITTENT_GEN_FCST
Comment	Identifying record for a given forecast of an intermittent generation. This table is the version table for the INTERMITTENT_GEN_FCST_DATA table which stores the individual forecast values. AEMO plans to remove this table in a Data Model version release after 5.6.

10.9.2 Description

Source

INTERMITTENT_GEN_FCST_DATA updates every 30 minutes when AEMO issues a new 30-minute forecast of intermittent generation out to 8 days ahead.

Volume

~18,000 rows per generator per year

10.9.3 Notes

Name	Comment	Value
Visibility		Private

10.9.4 Primary Key Columns

Name
DUID
RUN_DATETIME

10.9.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date Time of forecast (AEST).
DUID	VARCHAR2(20)	X	Identifier of the intermittent generator.

START_INTERVAL_DATETIME	DATE	X	Date Time (AEST) of the first half-hour interval being forecast.
END_INTERVAL_DATETIME	DATE	X	Date Time (AEST) of the final half-hour interval being forecast.
VERSIONNO	NUMBER(10,0)		Versioning information for resolution back to AEMO's wind generation forecasting system.
LASTCHANGED	DATE		Date Time record was created

10.10 Table: INTERMITTENT_GEN_FCST_DATA

10.10.1 INTERMITTENT_GEN_FCST_DATA

Name	INTERMITTENT_GEN_FCST_DATA
Comment	Stores the forecast generation (MW) for each interval within a given forecast of an intermittent generator. AEMO plans to remove this table in a Data Model version release after 5.6.

10.10.2 Description

Source

INTERMITTENT_GEN_FCST_DATA updates every 30 minutes when AEMO issues a new 30-minute forecast of wind generation out to 8 days ahead.

Volume

~1,500,000 rows per generator per year

10.10.3 Notes

Name	Comment	Value
Visibility		Private

10.10.4 Primary Key Columns

Name
DUID
INTERVAL_DATETIME

RUN_DATETIME

10.10.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date Time of forecast (AEST).
DUID	VARCHAR2(20)	X	Identifier of the intermittent generator
INTERVAL_DATETIME	DATE	X	Date Time (AEST) of the halfhour interval being forecast
POWERMEAN	NUMBER(9,3)		The average forecast value in MW at the interval end
POWERPOE50	NUMBER(9,3)		50% probability of exceedance forecast value in MW at the interval end
POWERPOELOW	NUMBER(9,3)		90% probability of exceedance forecast value in MW at the interval end
POWERPOEHIGH	NUMBER(9,3)		10% probability of exceedance forecast value in MW at the interval end
LASTCHANGED	DATE		Date Time record was created

10.11 Table: INTERMITTENT_GEN_FCST_P5_PRED

10.11.1 INTERMITTENT_GEN_FCST_P5_PRED

Name INTERMITTENT_GEN_FCST_P5_PRED

Comment Contains forecast predictions for intermittent wind and solar units, with a 5-minute resolution over the hour-ahead P5MIN timeframe. This is the child table of the parent table INTERMITTENT_GEN_FCST_P5_RUN, which contains the corresponding forecast runs.

10.11.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.11.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

FORECAST_TYPE

INTERVAL_DATETIME

OFFERDATETIME

PROVIDERID

10.11.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
DUID	VARCHAR2(20)	X	Dispatchable unit identifier for which this forecast applies.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.
PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
INTERVAL_DATETIME	DATE	X	Datetime (interval-ending) for the period that this forecast applies to, within the current forecast_run_datetime.
FORECAST_TYPE	VARCHAR2(20)	X	Type of forecast, for example, POE_10, POE_50, POE_90, MEAN and so on.
FORECAST_VALUE	NUMBER(18,8)		Forecast value in MW.

10.12 Table: INTERMITTENT_GEN_FCST_P5_RUN

10.12.1 INTERMITTENT_GEN_FCST_P5_RUN

Name	INTERMITTENT_GEN_FCST_P5_RUN
Comment	Contains forecast runs for intermittent wind and solar units, with a 5-minute resolution over the hour-ahead P5MIN timeframe. This is the parent table to the child table INTERMITTENT_GEN_FCST_P5_PRED, which contains the corresponding forecast predictions over the full horizon.

10.12.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.12.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

OFFERDATETIME

PROVIDERID

10.12.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
DUID	VARCHAR2(20)	X	Dispatchable unit identifier for which this forecast applies.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.

PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
PROVIDER_TIMESTAMP	DATE		Datetime when the provider created the forecast.
REMARKS	VARCHAR2(300)		Comments relating to the forecast run. This column is not made available to the public.
MODEL_USED	VARCHAR2(30)		Metadata describing the model used to produce the forecast run. This column is not made available to the public.
SUPPRESSED_PROVIDER	NUMBER(1,0)		Flag indicating if the forecast run was suppressed by the provider when submitted. Suppressed forecasts are not used by downstream systems. Suppressed = 1, Unsuppressed = 0.
TRANSACTION_ID	VARCHAR2(100)		Transaction identifier for receiving the forecast run.
LASTCHANGED	DATE		Datetime when the forecast run was written into AEMO database.

10.13 Table: INTERMITTENT_GEN_FCST_PRED

10.13.1 INTERMITTENT_GEN_FCST_PRED

Name INTERMITTENT_GEN_FCST_PRED

Comment Contains forecast predictions for intermittent wind and solar units, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the child table of the parent table INTERMITTENT_GEN_FCST_RUN, which contains the corresponding forecast runs.

10.13.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.13.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

FORECAST_TYPE

INTERVAL_DATETIME

OFFERDATETIME

PROVIDERID

10.13.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
DUID	VARCHAR2(20)	X	Dispatchable unit identifier for which this forecast applies.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.
PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
INTERVAL_DATETIME	DATE	X	Datetime (interval-ending) for the period that this forecast applies to, within the current forecast_run_datetime.
FORECAST_TYPE	VARCHAR2(20)	X	Type of forecast, for example, POE_10, POE_50, POE_90, MEAN and so on.
FORECAST_VALUE	NUMBER(18,8)		Forecast value in MW.

10.14 Table: INTERMITTENT_GEN_FCST_RUN

10.14.1 INTERMITTENT_GEN_FCST_RUN

Name	INTERMITTENT_GEN_FCST_RUN
Comment	Contains forecast runs for intermittent wind and solar units, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the parent table to the child table INTERMITTENT_GEN_FCST_PRED, which contains the corresponding forecast predictions over the full horizon.

10.14.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.14.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

OFFERDATETIME

PROVIDERID

10.14.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
DUID	VARCHAR2(20)	X	Dispatchable unit identifier for which this forecast applies.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.

PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
PROVIDER_TIMESTAMP	DATE		Datetime when the provider created the forecast.
REMARKS	VARCHAR2(300)		Comments relating to the forecast run. This column is not made available to the public.
MODEL_USED	VARCHAR2(30)		Metadata describing the model used to produce the forecast run. This column is not made available to the public.
SUPPRESSED_PROVIDER	NUMBER(1,0)		Flag indicating if the forecast run was suppressed by the provider when submitted. Suppressed forecasts are not used by downstream systems. Suppressed = 1, Unsuppressed = 0.
TRANSACTION_ID	VARCHAR2(100)		Transaction identifier for receiving the forecast run
LASTCHANGED	DATE		Datetime when the forecast run was written into AEMO database.

10.15 Table: INTERMITTENT_GEN_LIMIT

10.15.1 INTERMITTENT_GEN_LIMIT

Name	INTERMITTENT_GEN_LIMIT
Comment	A submission of Upper MW Limit for an intermittent generating unit, by Trading Day and Trading Interval

10.15.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.15.3 Primary Key Columns

Name

DUID

OFFERDATETIME

PERIODID

TRADINGDATE

10.15.4 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	DATE	X	Trading Day for which this unit availability submission applies
DUID	VARCHAR2(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	DATE	X	Date and Time when this unit availability submission was loaded
PERIODID	NUMBER(3,0)	X	Trading interval number (1...48) within this TRADINGDATE for which UPPERMWLIMIT applies
UPPERMWLIMIT	NUMBER(6)		Maximum imposed MW limit (down regulation in AWEFS/ASEFS). Value between 0 and the registered DUID Maximum Capacity. Value = -1 means no limit applies.

10.16 Table: INTERMITTENT_GEN_LIMIT_DAY

10.16.1 INTERMITTENT_GEN_LIMIT_DAY

Name INTERMITTENT_GEN_LIMIT_DAY

Comment Summary record for an Upper MW Limit submission for an intermittent generating unit for a Trading Day

10.16.2 Notes

Name Comment Value

Visibility	Private & Public Next-Day

10.16.3 Primary Key Columns

Name

DUID

OFFERDATETIME

TRADINGDATE

10.16.4 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	DATE	X	Trading Day for which this unit availability submission applies
DUID	VARCHAR2(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	DATE	X	Date and Time when this unit availability submission was loaded
PARTICIPANTID	VARCHAR2(20)		Unique participant identifier
LASTCHANGED	DATE		Last date and time record changed
AUTHORISEDBYUSER	VARCHAR2(20)		User entering the unit availability submission
AUTHORISEDBYPARTICIPANTID	VARCHAR2(20)		Participant entering the unit availability submission

10.17 Table: INTERMITTENT_GEN_SCADA

10.17.1 INTERMITTENT_GEN_SCADA

Name	INTERMITTENT_GEN_SCADA
Comment	INTERMITTENT_GEN_SCADA provides the SCADA Availability for every intermittent generating unit, including Elements Available (wind turbines/solar inverters) and Local Limit

10.17.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

10.17.3 Primary Key Columns

Name

DUID

RUN_DATETIME

SCADA_TYPE

10.17.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date Time of the dispatch interval (interval ending)
DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier
SCADA_TYPE	VARCHAR2(20)	X	SCADA snapshot for intermittent generating unit at start of interval for a specified SCADA signal type. ELAV = Total Elements Available (# turbines for wind farms, # inverters for solar farms); LOCL = Local Limit (MW).
SCADA_VALUE	NUMBER(15,5)		SCADA value snapshot for intermittent generating unit at start of interval for a specified SCADA signal type.
SCADA_QUALITY	VARCHAR2(20)		SCADA quality snapshot for intermittent generating unit at start of interval for a specified SCADA signal type.
LASTCHANGED	DATE		Last date and time record changed

10.18 Table: INTERMITTENT_P5_PRED

10.18.1 INTERMITTENT_P5_PRED

Name	INTERMITTENT_P5_PRED
Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch. AEMO plans to remove this table in a Data Model version release after 5.6.

10.18.2 Notes

Name	Comment	Value
Visibility		Private

10.18.3 Primary Key Columns

Name

DUID

FORECAST_PRIORITY

INTERVAL_DATETIME

OFFERDATETIME

ORIGIN

RUN_DATETIME

10.18.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date and Time of the first interval of 5-Minute Predispatch where the forecast applies (dispatch interval ending)
DUID	VARCHAR2(20)	X	DUID (or Area for non-scheduled) where this forecast applies
OFFERDATETIME	DATE	X	Date and Time when this forecast submission was loaded

INTERVAL_DATETIME	DATE	X	Interval within the current RUN_DATETIME where this forecast applies (dispatch interval ending)
ORIGIN	VARCHAR2(20)	X	Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor)
FORECAST_PRIORITY	NUMBER(10,0)	X	Unsuppressed forecasts with higher priority values are used in 5-Minute Predispatch in preference to unsuppressed forecasts with lower priority values
FORECAST_MEAN	NUMBER(18,8)		Forecast MW value for this interval_DateTime
FORECAST_POE10	NUMBER(18,8)		Forecast 10% POE MW value for this interval_DateTime
FORECAST_POE50	NUMBER(18,8)		Forecast 50% POE MW value for this interval_DateTime.
FORECAST_POE90	NUMBER(18,8)		Forecast 90% POE MW value for this interval_DateTime

10.19 Table: INTERMITTENT_P5_RUN

10.19.1 INTERMITTENT_P5_RUN

Name	INTERMITTENT_P5_RUN
Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch. AEMO plans to remove this table in a Data Model version release after 5.6.

10.19.2 Notes

Name	Comment	Value
Visibility		Private

10.19.3 Primary Key Columns

Name
DUID
FORECAST_PRIORITY

OFFERDATETIME

ORIGIN

RUN_DATETIME

10.19.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date and Time of the first interval of 5-minute pre-dispatch where the forecast applies.
DUID	Varchar2(20)	X	DUID (or Area for non-scheduled) where this forecast applies
OFFERDATETIME	DATE	X	Date and Time when this forecast submission was loaded
ORIGIN	Varchar2(20)	X	Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor)
FORECAST_PRIORITY	NUMBER(10,0)	X	Unsuppressed forecasts with higher priority values are used in 5-Minute Predispatch in preference to unsuppressed forecasts with lower priority values
AUTHORISEDBY	Varchar2(20)		Authorising officer of this forecast
COMMENTS	Varchar2(200)		Comments relating to the forecast
LASTCHANGED	DATE		Last date and time the record changed.
MODEL	Varchar2(30)		Metadata relating to the forecast.
PARTICIPANT_TIMESTAMP	DATE		Participant can document when the forecast was created
SUPPRESSED_AEMO	NUMBER(1,0)		Was this forecast suppressed by AEMO? Suppressed = 1,Not suppressed =0
SUPPRESSED_PARTICIPANT	NUMBER(1,0)		Was this forecast suppressed by the participant? Suppressed submissions may not be used, Suppressed = 1, Not suppressed =0
TRANSACTION_ID	Varchar2(100)		Uniquely identifies this interaction

10.20 Table: MTPASA_INTERMITTENT_AVAIL

10.20.1 MTPASA_INTERMITTENT_AVAIL

Name	MTPASA_INTERMITTENT_AVAIL
Comment	A submission of expected plant availability for intermittent generators for use in MTPASA intermittent generation forecasts

10.20.2 Notes

Name	Comment	Value
Visibility		Private

10.20.3 Primary Key Columns

Name
CLUSTERID
DUID
OFFERDATETIME
TRADINGDATE

10.20.4 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	DATE	X	Trading Day for which this cluster availability submission applies
DUID	VARCHAR2(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	DATE	X	Date and Time when this cluster availability submission was loaded
CLUSTERID	VARCHAR2(20)	X	Unique Cluster Identifier for this cluster within the DUID
LASTCHANGED	DATE		Last date and time record changed

ELEMENTS_UNAVAILABLE	NUMBER(5,0)		Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are not available for this TRADINGDATE. Value between 0 and the registered Number of Cluster Elements.Value = 0 means no elements unavailable
ELEMENTS_AVAILABLE	NUMBER(5,0)		Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are available for this TRADINGDATE. Value between 0 and the registered Number of Cluster Elements. Value = 0 means no elements available

10.21 Table: MTPASA_INTERMITTENT_LIMIT

10.21.1 MTPASA_INTERMITTENT_LIMIT

Name MTPASA_INTERMITTENT_LIMIT

Comment A submission of expected maximum availability for intermittent generators for use in MTPASA intermittent generation

forecasts

10.21.2 Notes

Name	Comment	Value
Visibility		Private

10.21.3 Primary Key Columns

Name

DUID

OFFERDATETIME

TRADINGDATE

10.21.4 Content

Name	Data Type	Mandato	Comment

		ry	
TRADINGDATE	DATE	X	Trading Day for which this unit availability submission applies
DUID	VARCHAR2(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	DATE	X	Date time file processed
LASTCHANGED	DATE		Last date and time record changed
UPPERMWLIMIT	NUMBER(6)		Maximum imposed MW limit. Value between 0 and the registered DUID Maximum Capacity.Value = -1 means no limit applies.
AUTHORISEDBYUSER	VARCHAR2(20)		User entering the unit availability submission
AUTHORISEDBYPARTICIPANTID	VARCHAR2(20)		Participant entering the unit availability submission

10.22 Table: PERDEMAND

10.22.1 PERDEMAND

Name	PERDEMAND
Comment	PERDEMAND sets out the regional demands and MR schedule data for each half-hour period. PERDEMAND is a child table to RESDEMANDTRK.

10.22.2 Description

The RESDEMANDTRK and PERDEMAND tables have a parent/child relationship, and define forecast regional demands since market start. RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. PERDEMAND defines the numerical forecast values for each trading interval of a the trading day for that region. A complete trading day forecast for one region consists of one RESDEMANDTRK record and 48 PERDEMAND records.

Source

PERDEMAND updates whenever AEMO issues a new or revised forecast. ST PASA forecasts update seven days at a time. Predispatch updates one date.

Volume

1296000 rows per year

Note

In the context of a mandatory restrictions event the forecast schedule (MW) of restrictions are reported through the RESDEMANDTRK and PERDEMAND tables using the new field PerDemand.MR_Schedule. The relationship between fields and mandatory restriction terms for the 50% probability of exceedence forecast are:

- UnRestricted Profile = ResDemand + MR_Schedule
- Restricted Profile = ResDemand

10.22.3 Notes

Name	Comment	Value
Visibility		Public

10.22.4 Primary Key Columns

Name
OFFERDATE
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

10.22.5 Index Columns

Name
LASTCHANGED

10.22.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE		Market date the forecast is made for. First date of the 7 days.
SETTLEMENTDATE	DATE	X	Market date of forecast up to 7 days ahead.

REGIONID	VARCHAR2(10)	X	Differentiates this region from all other regions
OFFERDATE	DATE	X	Date record issued
PERIODID	NUMBER(3,0)	X	Half hourly trading intervals from 04:30.
VERSIONNO	NUMBER(3,0)	X	The version of the RESDEMAND file for this date
RESDEMAND	NUMBER(10,0)		Base Demand forecast for period
DEMAND90PROBABILITY	NUMBER(10,0)		Demand at 90% probability of exceedance
DEMAND10PROBABILITY	NUMBER(10,0)		Demand level for a 10% probability of exceedance
LASTCHANGED	DATE		Last date and time record changed
MR_SCHEDULE	NUMBER(6,0)		MR_Schedule = Unrestricted Demand - POE

10.23 Table: RESDEMANDTRK

10.23.1 RESDEMANDTRK

Name RESDEMANDTRK

Comment RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date.

RESDEMANDTRK and PERDEMAND have a parent/child relationship, and are for defined forecast regional demands since market start. RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. PERDEMAND defines the numerical forecast values for each trading interval of a the trading day for that region. A complete trading day forecast for one region consists of one RESDEMANDTRK record and 48 PERDEMAND records.

10.23.2 Description

RESDEMANDTRK data is public, so is available to all participants.

Source

RESDEMANDTRK updates are ad hoc.

Volume

27000 rows per year.

10.23.3 Notes

Name	Comment	Value
Visibility		Public

10.23.4 Primary Key Columns

Name
EFFECTIVEDATE
OFFERDATE
REGIONID
VERSIONNO

10.23.5 Index Columns

Name
LASTCHANGED

10.23.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Trading Date of the regional forecast
REGIONID	VARCHAR2(10)	X	Unique RegionID
OFFERDATE	DATE	X	Date the forecast was created
VERSIONNO	NUMBER(3,0)	X	Version of this forecast with respect to the Effectivedate and Offerdate
FILENAME	VARCHAR2(40)		Tracking purposes only
AUTHORISEDDATE	DATE		Date forecast authorised
AUTHORISEDBY	VARCHAR2(10)		Identifier of authorising user
LASTCHANGED	DATE		Date and time the record was last modified

10.24 Table: ROOFTOP_PV_ACTUAL

10.24.1 ROOFTOP_PV_ACTUAL

Name	ROOFTOP_PV_ACTUAL
Comment	Estimate of regional Rooftop Solar actual generation for each half-hour interval in a day. AEMO plans to remove this table in a Data Model version release after 5.6.

10.24.2 Notes

Name	Comment	Value
Visibility		Public

10.24.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

TYPE

10.24.4 Index Columns

Name

INTERVAL_DATETIME

TYPE

REGIONID

10.24.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	The forecast half-hour interval (time ending)
TYPE	VARCHAR2(20)	X	One of DAILY, MEASUREMENT or SATELLITE. DAILY- best quality estimated actuals, available

			day after. MEASUREMENT- best quality estimated actuals on day, delayed by 1 half hour. SATELLITE- estimated actuals using satellite imagery, delayed by 1 half hour.
REGIONID	VARCHAR2(20)	X	Region identifier
POWER	NUMBER(12,3)		Estimated generation in MW at the interval end
QI	NUMBER(2,1)		Quality indicator. Represents the quality of the estimate.
LASTCHANGED	DATE		Last date and time record changed

10.25 Table: ROOFTOP_PV_ACTUAL_PRED

10.25.1 ROOFTOP_PV_ACTUAL_PRED

Name ROOFTOP_PV_ACTUAL_PRED

Comment Contains predictions for rooftop PV area estimated actuals, with a 5-minute and 30-minute resolution for different estimate types. This is the child table of the parent table ROOFTOP_PV_ACTUAL_RUN, which contains the corresponding actual prediction runs.

10.25.2 Notes

Name	Comment	Value
Visibility		Public

10.25.3 Primary Key Columns

Name

AREAID

ESTIMATE_TYPE

INTERVAL_DATETIME

INTERVAL_DURATION

OFFERDATETIME

PREDICTION_PRIORITY

PREDICTION_RUN_DATETIME

PROVIDERID

10.25.4 Content

Name	Data Type	Mandatory	Comment
PREDICTION_RUN_DATETIME	DATE	X	Datetime (interval ending) from which this prediction run is valid.
INTERVAL_DURATION	NUMBER(3,0)	X	Duration of each interval (in minutes) for this prediction, for example, 5 or 30.
AREAID	VARCHAR2(10)	X	Area identifier, aligning with the load forecasting areas.
OFFERDATETIME	DATE	X	Datetime when this prediction submission was loaded.
ESTIMATE_TYPE	VARCHAR2(20)	X	Type of Rooftop PV estimate, for example, MEASURED, SATELLITE and so on.
PROVIDERID	VARCHAR2(20)	X	Provider identifier, for example, AEMO, PROVIDER_A and so on.
PREDICTION_PRIORITY	NUMBER(10,0)	X	Priority of prediction run, higher number is used in preference to lower number for the same provider.
INTERVAL_DATETIME	DATE	X	Date and Time the forecast applies (dispatch interval ending).
PREDICTION_VALUE	NUMBER(18,8)		Prediction value in MW.
PREDICTION_QUALITY	NUMBER(2,0)		Prediction quality. Higher number represents better quality.

10.26 Table: ROOFTOP_PV_ACTUAL_RUN

10.26.1 ROOFTOP_PV_ACTUAL_RUN

Name ROOFTOP_PV_ACTUAL_RUN

Comment Contains prediction runs for rooftop PV area estimated actuals, with a 5-minute and 30-minute resolution for different estimate types. This is the parent table to the child table

ROOFTOP_PV_ACTUAL_PRED, which contains the corresponding actual predictions.

10.26.2 Notes

Name	Comment	Value
Visibility		Public

10.26.3 Primary Key Columns

Name

AREAID

ESTIMATE_TYPE

INTERVAL_DURATION

OFFERDATETIME

PREDICTION_PRIORITY

PREDICTION_RUN_DATETIME

PROVIDERID

10.26.4 Content

Name	Data Type	Mandatory	Comment
PREDICTION_RUN_DATETIME	DATE	X	Datetime (interval ending) from which this prediction run is valid.
INTERVAL_DURATION	NUMBER(3,0)	X	Duration of each interval (in minutes) for this prediction, for example, 5 or 30.
AREAID	VARCHAR2(10)	X	Area identifier, aligning with the load forecasting areas.
OFFERDATETIME	DATE	X	Datetime when this prediction submission was loaded.
ESTIMATE_TYPE	VARCHAR2(20)	X	Type of Rooftop PV estimate, for example, MEASURED, SATELLITE and so on.

PROVIDERID	VARCHAR2(20)	X	Provider identifier, for example, AEMO, PROVIDER_A and so on.
PREDICTION_PRIORITY	NUMBER(10,0)	X	Priority of prediction run, higher number is used in preference to lower number for the same provider.
PROVIDER_TIMESTAMP	DATE		Datetime when the provider created the forecast.
REMARKS	VARCHAR2(300)		Comments relating to the prediction run.
MODEL_USED	VARCHAR2(30)		Metadata describing the model used to produce the prediction run.
SUPPRESSED_PROVIDER	NUMBER(1,0)		Flag indicating if the prediction run was suppressed by the provider when submitted. Suppressed predictions are not used by downstream forecasting systems. Suppressed = 1, Unsuppressed = 0.
INSTALLED_CAPACITY	NUMBER(18,8)		Installed rooftop PV capacity used for the prediction run, in MW.
LASTCHANGED	DATE		Datetime when the prediction run was written into AEMO database.

10.27 Table: ROOFTOP_PV_FCST_P5_PRED

10.27.1 ROOFTOP_PV_FCST_P5_PRED

Name ROOFTOP_PV_FCST_P5_PRED

Comment Contains forecast predictions for rooftop PV areas, with a 5-minute resolution over the hour-ahead DS/P5MIN timeframe. This is the child table of the parent table ROOFTOP_PV_FCST_P5_RUN, which contains the corresponding forecast runs.

10.27.2 Notes

Name	Comment	Value
Visibility		Public

10.27.3 Primary Key Columns

Name

AREAID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

FORECAST_TYPE

INTERVAL_DATETIME

OFFERDATETIME

PROVIDERID

10.27.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed in which case the previous run is used.
AREAID	VARCHAR2(10)	X	Area identifier, aligning with the load forecasting areas.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.
PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier, for example, AEMO, PROVIDER_A and so on.
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
INTERVAL_DATETIME	DATE	X	Datetime (interval-ending) for the period that this forecast applies to, within the current forecast_run_datetime.
FORECAST_TYPE	VARCHAR2(20)	X	Type of forecast, for example, POE_10, POE_50, POE_90, MEAN and so on.
FORECAST_VALUE	NUMBER(18,8)		Forecast value in MW.

10.28 Table: ROOFTOP_PV_FCST_P5_RUN

10.28.1 ROOFTOP_PV_FCST_P5_RUN

Name	ROOFTOP_PV_FCST_P5_RUN
Comment	Contains forecast runs for rooftop PV areas, with a 5-minute resolution over the hour-ahead DS/P5MIN timeframe. This is the parent table to the child table ROOFTOP_PV_FCST_P5_PRED, which contains the corresponding forecast predictions over the full horizon.

10.28.2 Notes

Name	Comment	Value
Visibility		Public

10.28.3 Primary Key Columns

Name

AREAID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

OFFERDATETIME

PROVIDERID

10.28.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
AREAID	VARCHAR2(10)	X	Area identifier, aligning with the load forecasting areas.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.

PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier, for example, AEMO, PROVIDER_A and so on.
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
PROVIDER_TIMESTAMP	DATE		Datetime when the provider created the forecast.
REMARKS	VARCHAR2(300)		Comments relating to the forecast run.
MODEL_USED	VARCHAR2(30)		Metadata describing the model used to produce the forecast run.
SUPPRESSED_PROVIDER	NUMBER(1,0)		Flag indicating if the forecast run was suppressed by the provider when submitted. Suppressed forecasts are not used by downstream systems. Suppressed = 1, Unsuppressed = 0.
INSTALLED_CAPACITY	NUMBER(18,8)		Installed rooftop PV capacity that was used for the forecast run, in MW.
LASTCHANGED	DATE		Datetime when the forecast run was written into AEMO database.

10.29 Table: ROOFTOP_PV_FCST_PRED

10.29.1 ROOFTOP_PV_FCST_PRED

Name ROOFTOP_PV_FCST_PRED

Comment Contains forecast predictions for rooftop PV areas, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the child table of the parent table ROOFTOP_PV_FCST_RUN, which contains the corresponding forecast runs.

10.29.2 Notes

Name	Comment	Value
Visibility		Public

10.29.3 Primary Key Columns

Name

AREAID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

FORECAST_TYPE

INTERVAL_DATETIME

OFFERDATETIME

PROVIDERID

10.29.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
AREAID	VARCHAR2(10)	X	Area identifier, aligning with the load forecasting areas.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.
PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier, for example, AEMO, PROVIDER_A and so on.
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
INTERVAL_DATETIME	DATE	X	Datetime (interval-ending) for the period that this forecast applies to, within the current forecast_run_datetime.
FORECAST_TYPE	VARCHAR2(20)	X	Type of forecast, for example, POE_10, POE_50, POE_90, MEAN and so on.
FORECAST_VALUE	NUMBER(18,8)		Forecast value in MW.

10.30 Table: ROOFTOP_PV_FCST_RUN

10.30.1 ROOFTOP_PV_FCST_RUN

Name	ROOFTOP_PV_FCST_RUN
Comment	Contains forecast runs for rooftop PV areas, with a 30-minute resolution over the week-ahead PD/STPASA timeframe. This is the parent table to the child table ROOFTOP_PV_FCST_PRED, which contains the corresponding forecast predictions over the full horizon.

10.30.2 Notes

Name	Comment	Value
Visibility		Public

10.30.3 Primary Key Columns

Name

AREAID

FORECAST_PRIORITY

FORECAST_RUN_DATETIME

OFFERDATETIME

PROVIDERID

10.30.4 Content

Name	Data Type	Mandatory	Comment
FORECAST_RUN_DATETIME	DATE	X	Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime in downstream processes, unless a forecast run is missed, in this case the previous run is used.
AREAID	VARCHAR2(10)	X	Area identifier, aligning with the load forecasting areas.
OFFERDATETIME	DATE	X	Datetime when this forecast submission was loaded.

PROVIDERID	VARCHAR2(20)	X	Forecast provider identifier, for example, AEMO, PROVIDER_A and so on.
FORECAST_PRIORITY	NUMBER(10,0)	X	Priority of forecast run, higher number is used in preference to lower number for the same provider.
PROVIDER_TIMESTAMP	DATE		Datetime when the provider created the forecast.
REMARKS	VARCHAR2(300)		Comments relating to the forecast run.
MODEL_USED	VARCHAR2(30)		Metadata describing the model used to produce the forecast run.
SUPPRESSED_PROVIDER	NUMBER(1,0)		Flag indicating if the forecast run was suppressed by the provider when submitted. Suppressed forecasts are not used by downstream systems. Suppressed = 1, Unsuppressed = 0.
INSTALLED_CAPACITY	NUMBER(18,8)		Installed rooftop PV capacity that was used for the forecast run, in MW.
LASTCHANGED	DATE		Datetime when the forecast run was written into AEMO database.

10.31 Table: ROOFTOP_PV_FORECAST

10.31.1 ROOFTOP_PV_FORECAST

Name ROOFTOP_PV_FORECAST

Comment Regional forecasts of Rooftop Solar generation across the half-hour intervals over 8 days. AEMO plans to remove this table in a Data Model version release after 5.6.

10.31.2 Notes

Name	Comment	Value
Visibility		Public

10.31.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

VERSION_DATETIME

10.31.4 Index Columns

Name

VERSION_DATETIME

INTERVAL_DATETIME

REGIONID

10.31.5 Content

Name	Data Type	Mandatory	Comment
VERSION_DATETIME	DATE	X	Date time this forecast was produced
REGIONID	VARCHAR2(20)	X	Region identifier
INTERVAL_DATETIME	DATE	X	The forecast half-hour interval (time ending)
POWERMEAN	NUMBER(12,3)		The average forecast value in MW at the interval end
POWERPOE50	NUMBER(12,3)		50% probability of exceedance forecast value in MW at the interval end
POWERPOELOW	NUMBER(12,3)		90% probability of exceedance forecast value in MW at the interval end
POWERPOEHIGH	NUMBER(12,3)		10% probability of exceedance forecast value in MW at the interval end
LASTCHANGED	DATE		Last date and time record changed

11 Package: DISPATCH

Name DISPATCH

Comment Results from a published Dispatch Run

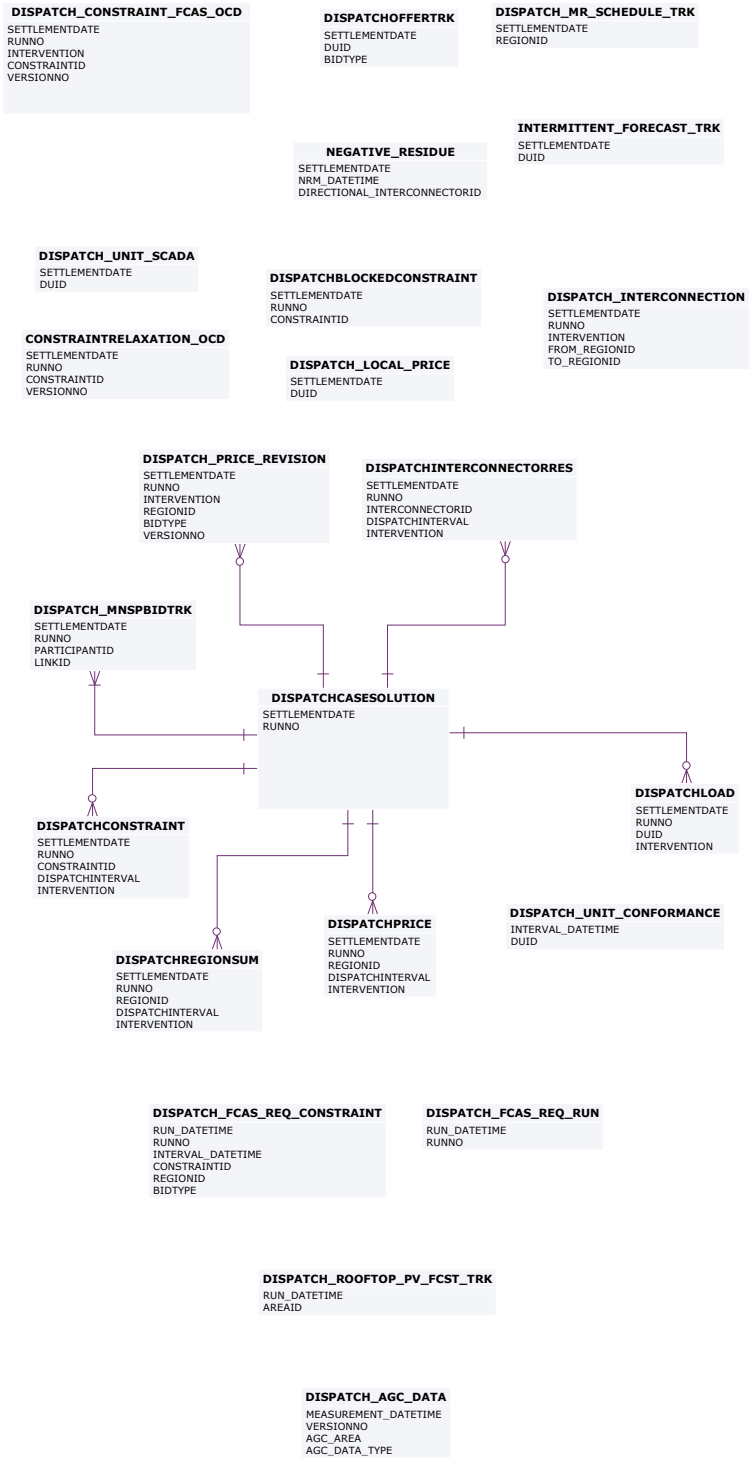
11.1 List of tables

Name	Comment	Visibility
CONSTRAINTRELAXATION_OCD	CONSTRAINTRELAXATION_OCD contains details of interconnector constraints and unit ancillary service constraints relaxed in the over-constrained dispatch (OCD) re-run for this interval (if there was one). Note: INTERVENTION is not included in CONSTRAINTRELAXATION_OCD, since the relaxation of the same constraint is the same amount in both intervened and non-intervened cases.	Public
DISPATCH_AGC_DATA	THIS report delivers 4-second system data from the AEMO AGC system	Public
DISPATCH_CONSTRAINT_FCAS_OCD	FCAS constraint solution from OCD re-run.	Public
DISPATCH_FCAS_REQ_CONSTRAINT	The constraint level FCAS cost / price details for constraint FCAS processor runs. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.	Public
DISPATCH_FCAS_REQ_RUN	The constraint FCAS processor run details. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.	Public
DISPATCH_INTERCONNECTION	Inter-regional flow information common to or aggregated for regulated (i.e. not MNSP)	Public

	Interconnectors spanning the From-Region and To-Region - NB only the physical run is calculated'	
DISPATCH_LOCAL_PRICE	Sets out local pricing offsets associated with each DUID connection point for each dispatch period. Note that from 2014 Mid year release only records with non-zero Local_Price_Adjustment values are issued	Private & Public Next-Day
DISPATCH_MNSPBIDTRK	DISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each dispatch run for each MNSP Interconnector Link. The table identifies which bids from MNSP_DAYOFFER and MNSP_BIDOFFERPERIOD were applied.	Private & Public Next-Day
DISPATCH_MR_SCHEDULE_TRK	DISPATCH_MR_SCHEDULE_TRK records the Mandatory Restrictions Acceptance Schedule applied to this dispatch interval for this region. DISPATCH_MR_SCHEDULE_TRK is populated by the Dispatch process and records the MR Offer Stack applied in each dispatch interval. DISPATCH_MR_SCHEDULE_TRK is used by Settlements to calculate payments according to the correct MR offer stack.	Public
DISPATCH_PRICE_REVISION	An audit trail of price changes on the DISPATCHPRICE table (i.e. for 5 minute dispatch prices for energy and FCAS).	Public
DISPATCH_ROOFTOP_PV_FCST_TRK	Uniquely tracks which Rooftop PV forecast run (from ROOFTOP_PV_FCST_P5_RUN) was used for the Area in which Dispatch run.	Public
DISPATCH_UNIT_CONFORMANCE	DISPATCH_UNIT_CONFORMANCE details the conformance of a scheduled units operation with respect to a cleared target on dispatch interval basis. Data is confidential	Private
DISPATCH_UNIT_SCADA	Dispatchable unit MW from SCADA at the start of the dispatch interval. The table includes all scheduled and semi-scheduled (and non-scheduled units where SCADA is available)	Public
DISPATCHBLOCKEDCONSTRAINT	DISPATCH Blocked Constraints lists any constraints that were blocked in a dispatch run. If no constraints are blocked, there will be no rows for that dispatch run.	Public
DISPATCHCASESOLUTION	DISPATCHCASESOLUTION shows information relating to the complete dispatch run. The fields in DISPATCHCASESOLUTION provide an overview of the dispatch run results allowing immediate identification	Public

	of conditions such as energy or FCAS deficiencies.	
DISPATCHCONSTRAINT	DISPATCHCONSTRAINT sets out details of all binding and interregion constraints in each dispatch run. Note: invoked constraints can be established from GENCONSETINVOKE. Binding constraints show as marginal value >$0. Interconnector constraints are listed so RHS (SCADA calculated limits) can be reported.	Private & Public Next-Day
DISPATCHINTERCONNECTORRES	DISPATCHINTERCONNECTORRES sets out MW flow and losses on each interconnector for each dispatch period, including fields for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraints set the energy import and export limits.	Public
DISPATCHLOAD	DISPATCHLOAD set out the current SCADA MW and target MW for each dispatchable unit, including relevant Frequency Control Ancillary Services (FCAS) enabling targets for each five minutes and additional fields to handle the new Ancillary Services functionality. Fast Start Plant status is indicated by dispatch mode.	Private & Public Next-Day
DISPATCHOFFERTRK	DISPATCHOFFERTRK is the energy and ancillary service bid tracking table for the Dispatch process. The table identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and bid type for each dispatch interval.	Private & Public Next-Day
DISPATCHPRICE	DISPATCHPRICE records 5 minute dispatch prices for energy and FCAS, including whether an intervention has occurred, or price override (e.g. for Administered Price Cap). DISPATCHPRICE updates when price adjustments occur, in which case the new price is written to the RRP field, and the old price to the ROP field as an audit trail.	Public
DISPATCHREGIONSUM	DISPATCHREGIONSUM sets out the 5-minute solution for each dispatch run for each region, including the Frequency Control Ancillary Services (FCAS) services provided. Additional fields are for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations.	Public
INTERMITTENT_FORECAST_TRK	Uniquely tracks which Intermittent Generation forecast was used for the DUID in which Dispatch run	Private & Public Next-Day
NEGATIVE_RESIDUE	Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon	Public

11.2 Diagram: Entities: Dispatch



11.3 Table: CONSTRAINTRELAXATION_OCD

11.3.1 CONSTRAINTRELAXATION_OCD

Name	CONSTRAINTRELAXATION_OCD
Comment	CONSTRAINTRELAXATION_OCD contains details of interconnector constraints and unit ancillary service constraints relaxed in the over-constrained dispatch (OCD) re-run for this interval (if there was one). Note: INTERVENTION is not included in CONSTRAINTRELAXATION_OCD, since the relaxation of the same constraint is the same amount in both intervened and non-intervened cases.

11.3.2 Description

Source

The occurrences of Over-Constrained Dispatch (OCD) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system.

Over-constrained dispatch (OCD) re-run (if there was one).

Volume

Rows per day: ~2

Mb per month: <1

The estimates on the number of rows are based on a 1% occurrence rate for OCD runs.

11.3.3 Notes

Name	Comment	Value
Visibility		Public

11.3.4 Primary Key Columns

Name
CONSTRAINTID
RUNNO
SETTLEMENTDATE
VERSIONNO

11.3.5 Index Columns

Name

LASTCHANGED

11.3.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	End date and time of the dispatch interval
RUNNO	NUMBER(3,0)	X	Dispatch run no
CONSTRAINTID	VARCHAR2(20)	X	Constraint identifier
RHS	NUMBER(16,6)		Relaxed RHS used in attempt to avoid constraint violation
LASTCHANGED	DATE		Last date and time record changed
VERSIONNO	NUMBER(3,0)	X	Version Number

11.4 Table: DISPATCH_AGC_DATA

11.4.1 DISPATCH_AGC_DATA

Name DISPATCH_AGC_DATA

Comment THIS report delivers 4-second system data from the AEMO AGC system

11.4.2 Notes

Name	Comment	Value
Visibility		Public

11.4.3 Primary Key Columns

Name

AGC_AREA

AGC_DATA_TYPE

MEASUREMENT_DATETIME

VERSIONNO

11.4.4 Content

Name	Data Type	Mandatory	Comment
MEASUREMENT_DATETIME	DATE	X	Date and time of the SCADA data(DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone(NEM time)
VERSIONNO	NUMBER(3)	X	Count of version
AGC_AREA	VARCHAR2(20)	X	AGC Control Region
AGC_DATA_TYPE	VARCHAR2(20)	X	AGC parameter type
AGC_VALUE	NUMBER(15,5)		AGC parameter value
LASTCHANGED	DATE		Last date and time record changed

11.5 Table: DISPATCH_CONSTRAINT_FCAS_OCD

11.5.1 DISPATCH_CONSTRAINT_FCAS_OCD

Name DISPATCH_CONSTRAINT_FCAS_OCD

Comment FCAS constraint solution from OCD re-run.

11.5.2 Notes

Name	Comment	Value
Visibility		Public

11.5.3 Primary Key Columns

Name

CONSTRAINTID

INTERVENTION

RUNNO

SETTLEMENTDATE

VERSIONNO

11.5.4 Index Columns

Name

LASTCHANGED

11.5.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Dispatch interval that the prices were loaded to
RUNNO	NUMBER(3)	X	Dispatch run no; always 1
INTERVENTION	NUMBER(2)	X	Intervention 0/1
CONSTRAINTID	VARCHAR2(20)	X	ConstraintID/GenconID
VERSIONNO	NUMBER(3)	X	VersionNo
LASTCHANGED	DATE		The datetime that the record was last changed
RHS	NUMBER(15,5)		RHS from OCD re-run
MARGINALVALUE	NUMBER(15,5)		marginalvalue from OCD re-run
VIOLATIONDEGREE	NUMBER(15,5)		The violation degree of this constraint in the solution result

11.6 Table: DISPATCH_FCAS_REQ_CONSTRAINT

11.6.1 DISPATCH_FCAS_REQ_CONSTRAINT

Name	DISPATCH_FCAS_REQ_CONSTRAINT
Comment	The constraint level FCAS cost / price details for constraint FCAS processor runs. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.

11.6.2 Notes

Name	Comment	Value
Visibility		Public

11.6.3 Primary Key Columns

Name
BIDTYPE
CONSTRAINTID
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNNO

11.6.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the dispatch case that triggers the constraint FCAS processor run
RUNNO	NUMBER(5)	X	The dispatch case run number that has triggers the constraint FCAS processor run

INTERVAL_DATETIME	DATE	X	The trading interval date and time of the dispatch interval that was processed by the constraint FCAS processor
CONSTRAINTID	VARCHAR2(20)	X	ConstraintID join to table GenConData
REGIONID	VARCHAR2(20)	X	Region identifier
BIDTYPE	VARCHAR2(10)	X	DUID offered type
LHS	NUMBER(15,5)		Constraints summed LHS - aggregate LHS Solution values from the physical run from the DISPATCHCONSTRAINT table
RHS	NUMBER(15,5)		Constraints RHS value used in the solution - may be either dynamic (calculated) or static from the physical run from the DISPATCHCONSTRAINT table
MARGINALVALUE	NUMBER(15,5)		Shadow price of constraint from the DISPATCHCONSTRAINT table from the physical run.
RRP	NUMBER(15,5)		Bid type prices for the region coming from the pricing run of the DISPATCHREGIONSUM table
REGIONAL_ENABLEMENT	NUMBER(15,5)		The dispatched MW for the bid type inside the region from the physical run of the DISPATCHREGIONSUM table
CONSTRAINT_ENABLEMENT	NUMBER(15,5)		MW enabled for this bid type within the constraint
REGION_BASE_COST	NUMBER(18,8)		The regional payment allocated to the constraint for the interval pro-rated based on marginal value ratios over the binding constraints for that service in that region (this is an intermediate calculation to get to the base cost)
BASE_COST	NUMBER(18,8)		The base cost of the constraint, before the regulation/contingency split
ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, after the regulation/contingency split
P_REGULATION	NUMBER(18,8)		The adjusted marginal value of the constraint for FPP recovery (blank for constraints without REG terms)

11.7 Table: DISPATCH_FCAS_REQ_RUN

11.7.1 DISPATCH_FCAS_REQ_RUN

Name	DISPATCH_FCAS_REQ_RUN
Comment	The constraint FCAS processor run details. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.

11.7.2 Notes

Name	Comment	Value
Visibility		Public

11.7.3 Primary Key Columns

Name
RUN_DATETIME
RUNNO

11.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the dispatch case that triggers the constraint FCAS processor run
RUNNO	NUMBER(5)	X	The dispatch case run number that has triggers the constraint FCAS processor run
LASTCHANGED	DATE		The last time the constraint FCAS processor was executed for this case run time.

11.8 Table: DISPATCH_INTERCONNECTION

11.8.1 DISPATCH_INTERCONNECTION

Name	DISPATCH_INTERCONNECTION
Comment	Inter-regional flow information common to or aggregated for regulated (i.e. not MNSP) Interconnectors spanning the From-Region and To-Region - NB only the physical run is calculated'

11.8.2 Notes

Name	Comment	Value
Visibility		Public

11.8.3 Primary Key Columns

Name

FROM_REGIONID

INTERVENTION

RUNNO

SETTLEMENTDATE

TO_REGIONID

11.8.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERVENTION	NUMBER(2,0)	X	Intervention case or not
FROM_REGIONID	VARCHAR2(20)	X	Nominated RegionID from which the energy flows
TO_REGIONID	VARCHAR2(20)	X	Nominated RegionID to which the energy flows

DISPATCHINTERVAL	NUMBER(22,0)		Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP
IRLF	NUMBER(15,5)		Inter-Regional Loss Factor. Calculated based on the MWFLOW and the nominal From and To Region losses.
MWFLOW	NUMBER(16,6)		Summed MW flow of the parallel regulated Interconnectors
METEREDMWFLOW	NUMBER(16,6)		Summed Metered MW flow of the parallel regulated Interconnectors
FROM_REGION_MW_LOSSES	NUMBER(16,6)		Losses across the Interconnection attributable to the nominal From Region
TO_REGION_MW_LOSSES	NUMBER(16,6)		Losses across the Interconnection attributable to the nominal To Region
LASTCHANGED	DATE		The datetime that the record was last changed

11.9 Table: DISPATCH_LOCAL_PRICE

11.9.1 DISPATCH_LOCAL_PRICE

Name DISPATCH_LOCAL_PRICE

Comment Sets out local pricing offsets associated with each DUID connection point for each dispatch period. Note that from 2014 Mid year release only records with non-zero Local_Price_Adjustment values are issued

11.9.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

11.9.3 Primary Key Columns

Name

DUID

SETTLEMENTDATE

11.9.4 Index Columns

Name

SETTLEMENTDATE

DUID

11.9.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date time starting at 04:05
DUID	VARCHAR2(20)	X	Dispatchable unit identifier
LOCAL_PRICE_ADJUSTMENT	NUMBER(10,2)		Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints
LOCALLY_CONSTRAINED	NUMBER(1,0)		Key for Local_Price_Adjustment: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints

11.10 Table: DISPATCH_MNSPBIDTRK

11.10.1 DISPATCH_MNSPBIDTRK

Name	DISPATCH_MNSPBIDTRK
Comment	DISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each dispatch run for each MNSP Interconnector Link. The table identifies which bids from MNSP_DAYOFFER and MNSP_BIDOFFERPERIOD were applied.

11.10.2 Description

DISPATCH_MNSPBIDTRK shows own details for participant as they occur, with all details until close of business yesterday being available to all participants after end of day.

Source

DISPATCH_MNSPBIDTRK potentially updates every 5 minutes.

Volume

220, 000 per year

11.10.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

11.10.4 Primary Key Columns

Name

LINKID

PARTICIPANTID

RUNNO

SETTLEMENTDATE

11.10.5 Index Columns

Name

LASTCHANGED

11.10.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
PARTICIPANTID	VARCHAR2(10)	X	Participant that owns unit during effective record period
LINKID	VARCHAR2(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
OFFERSETTLEMENTDATE	DATE		Offer date for bid
OFFEREFFECTIVEDATE	TIMESTAMP(3)		Time this bid was processed and loaded
OFFERVERSIONNO	NUMBER(3,0)		VersionNo of the bid/offer used

LASTCHANGED	DATE		Record creation timestamp

11.11 Table: DISPATCH_MR_SCHEDULE_TRK

11.11.1 DISPATCH_MR_SCHEDULE_TRK

Name	DISPATCH_MR_SCHEDULE_TRK
Comment	DISPATCH_MR_SCHEDULE_TRK records the Mandatory Restrictions Acceptance Schedule applied to this dispatch interval for this region. DISPATCH_MR_SCHEDULE_TRK is populated by the Dispatch process and records the MR Offer Stack applied in each dispatch interval. DISPATCH_MR_SCHEDULE_TRK is used by Settlements to calculate payments according to the correct MR offer stack.

11.11.2 Description

DISPATCH_MR_SCHEDULE_TRK data is public to all participants.

Source

DISPATCH_MR_SCHEDULE_TRK updates are ad hoc.

Volume

2 rows per year.

11.11.3 Notes

Name	Comment	Value
Visibility		Public

11.11.4 Primary Key Columns

Name
REGIONID
SETTLEMENTDATE

11.11.5 Index Columns

Name

LASTCHANGED

11.11.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Date Time of the Dispatch Interval
REGIONID	VARCHAR2(10)	X	Unique RegionID; Key reference to MR_Event_Schedule
MR_DATE	DATE		Mandatory Restriction date; Key reference to MR_Event_Schedule table
VERSION_DATETIME	DATE		Date Time the MR acceptance stack was created; Key reference to MR_Event_Schedule table
LASTCHANGED	DATE		Date and time the record was last inserted/modified

11.12 Table: DISPATCH_PRICE_REVISION

11.12.1 DISPATCH_PRICE_REVISION

Name DISPATCH_PRICE_REVISION

Comment An audit trail of price changes on the DISPATCHPRICE table (i.e. for 5 minute dispatch prices for energy and FCAS).

11.12.2 Notes

Name	Comment	Value
Visibility		Public

11.12.3 Primary Key Columns

Name

BIDTYPE

INTERVENTION

REGIONID

RUNNO

SETTLEMENTDATE

VERSIONNO

11.12.4 Index Columns

Name

LASTCHANGED

11.12.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date and time starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERVENTION	NUMBER(2,0)	X	Manual intervention flag; always 0
REGIONID	VARCHAR2(10)	X	Affected Region Identifier
BIDTYPE	VARCHAR2(10)	X	Affected Bid Type Identifier
VERSIONNO	NUMBER(3)	X	Version No of price revision for this settlement date
RRP_NEW	NUMBER(15,5)		New RRP in DISPATCHPRICE table
RRP_OLD	NUMBER(15,5)		Old RRP from DISPATCHPRICE table
LASTCHANGED	DATE		The datetime the record was last changed

11.13 Table: DISPATCH_ROOFTOP_PV_FCST_TRK

11.13.1 DISPATCH_ROOFTOP_PV_FCST_TRK

Name DISPATCH_ROOFTOP_PV_FCST_TRK

Comment	Uniquely tracks which Rooftop PV forecast run (from ROOFTOP_PV_FCST_P5_RUN) was used for the Area in which Dispatch run.

11.13.2 Notes

Name	Comment	Value
Visibility		Public

11.13.3 Primary Key Columns

Name
AREAID
RUN_DATETIME

11.13.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Datetime (interval ending) of the Dispatch run.
AREAID	VARCHAR2(10)	X	Area identifier aligning with the load forecasting areas, tracks to ROOFTOP_PV_FCST_P5_RUN.AREAID.
FORECAST_RUN_DATETIME	DATE		Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime, unless a forecast run is missed, in this case the previous run is used. Tracks to ROOFTOP_PV_FCST_P5_RUN.FORECAST_RUN_DATETIME.
PROVIDERID	VARCHAR2(20)		Provider identifier of the forecast run used for the DS run, tracks to ROOFTOP_PV_FCST_P5_RUN.PROVIDERID.
FORECAST_PRIORITY	NUMBER(10,0)		Priority of the forecast run used for the DS run, tracks to ROOFTOP_PV_FCST_P5_RUN.FORECAST_PRIORITY.
OFFERDATETIME	DATE		Submission datetime of the forecast run used for the DS run, tracks to

			ROOFTOP_PV_FCST_P5_RUN.OFFERDATETIME.

11.14 Table: DISPATCH_UNIT_CONFORMANCE

11.14.1 DISPATCH_UNIT_CONFORMANCE

Name	DISPATCH_UNIT_CONFORMANCE
Comment	DISPATCH_UNIT_CONFORMANCE details the conformance of a scheduled units operation with respect to a cleared target on dispatch interval basis. Data is confidential

11.14.2 Description

DISPATCH_UNIT_CONFORMANCE data is confidential.

Source

DISPATCH_UNIT_CONFORMANCE shows data for every 5 minutes for all scheduled units

Volume

Rows per day: 288 per scheduled unit

11.14.3 Notes

Name	Comment	Value
Visibility		Private

11.14.4 Primary Key Columns

Name
DUID
INTERVAL_DATETIME

11.14.5 Index Columns

Name
LASTCHANGED

11.14.6 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Dispatch Interval that the conformance data applies to
DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier, or Aggregate Dispatch Group identifier
TOTALCLEARED	NUMBER(16,6)		Dispatch Target - MW
ACTUALMW	NUMBER(16,6)		Unit output measured at the conclusion of the dispatch interval - MW (MWB)
ROC	NUMBER(16,6)		Rate of change in direction of error MW per minute
AVAILABILITY	NUMBER(16,6)		Offered unit capacity - MW (MWO)
LOWERREG	NUMBER(16,6)		Lower Regulation FCAS enabled - MW (FCL)
RAISEREG	NUMBER(16,6)		Raise Regulation FCAS enabled - MW (FCR)
STRIGLM	NUMBER(16,6)		Calculated small trigger error limit in MW
LTRIGLM	NUMBER(16,6)		Calculated large trigger error limit in MW
MWERROR	NUMBER(16,6)		Calculated actual error
MAX_MWERROR	NUMBER(16,6)		Max of mwerror while that unit was not in a normal state
LECOUNT	NUMBER(6)		Large trigger error count. Reset when mwerror changes sign
SECOUNT	NUMBER(6)		Small trigger error count. Reset when mwerror changes sign
STATUS	VARCHAR2(20)		Unit conformance status. NORMAL OFF-TARGET NOT-RESPONDING NC-PENDING NON-CONFORMING SUSPENDED
PARTICIPANT_STATUS_ACTION	VARCHAR2(100)		Participant action required in response to

			current STATUS
OPERATING_MODE	VARCHAR2(20)		conformance operating mode MANUAL AUTO
LASTCHANGED	DATE		Last date and time record changed
ADG_ID	VARCHAR2(20)		Aggregate Dispatch Group to which this dispatch unit belongs
SEMIDISPATCHCAP	NUMBER(3,0)		Boolean representation flagging if the Target is capped
CONFORMANCE_MODE	NUMBER(6,0)		For an individual unit in an aggregate dispatch group (where DUID <> ADG_ID), Mode specific to that unit. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint. For the aggregate dispatch group (where DUID = ADG_ID), 0 - no aggregate monitoring, 1 - aggregate monitoring

11.15 Table: DISPATCH_UNIT_SCADA

11.15.1 DISPATCH_UNIT_SCADA

Name	DISPATCH_UNIT_SCADA
Comment	Dispatchable unit MW from SCADA at the start of the dispatch interval. The table includes all scheduled and semi-scheduled (and non-scheduled units where SCADA is available)

11.15.2 Description

DISPATCH_UNIT_SCADA data is public data, and is available to all participants.

Source

DISPATCH_UNIT_SCADA shows data for every 5 minutes for all scheduled units

Volume

Rows per day: 288 per each scheduled, semi-scheduled (and non-scheduled unit where SCADA is available)

11.15.3 Notes

Name	Comment	Value

Visibility	Public

11.15.4 Primary Key Columns

Name

DUID

SETTLEMENTDATE

11.15.5 Index Columns

Name

SETTLEMENTDATE

DUID

11.15.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	Date	X	Date Time of the Dispatch Interval
DUID	varchar2(20)	X	Dispatchable Unit Identifier
SCADAVALUE	Number(16,6)		Instantaneous MW reading from SCADA at the start of the Dispatch interval
LASTCHANGED	DATE		Last date and time record changed

11.16 Table: DISPATCHBLOCKEDCONSTRAINT

11.16.1 DISPATCHBLOCKEDCONSTRAINT

Name	DISPATCHBLOCKEDCONSTRAINT
Comment	DISPATCH Blocked Constraints lists any constraints that were blocked in a dispatch run. If no constraints are blocked, there will be no rows for that dispatch run.

11.16.2 Notes

Name	Comment	Value
Visibility		Public

11.16.3 Primary Key Columns

Name
CONSTRAINTID
RUNNO
SETTLEMENTDATE

11.16.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Dispatch Interval
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint identifier (synonymous with GenConID)

11.17 Table: DISPATCHCASESOLUTION

11.17.1 DISPATCHCASESOLUTION

Name	DISPATCHCASESOLUTION
Comment	DISPATCHCASESOLUTION shows information relating to the complete dispatch run. The fields in DISPATCHCASESOLUTION provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies.

11.17.2 Description

The DISPATCHCASESOLUTION data is public.

Source

DISPATCHCASESOLUTION updates every 5 minutes.

Volume

Approximately 288 records per day.

11.17.3 Notes

Name	Comment	Value
Visibility		Public

11.17.4 Primary Key Columns

Name
RUNNO
SETTLEMENTDATE

11.17.5 Index Columns

Name
LASTCHANGED

11.17.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Date and time of the dispatch interval (e.g. five minute dispatch interval ending 28/09/2000 16:35)
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERVENTION	NUMBER(2,0)	X	Intervention flag - refer to package documentation for definition and practical query examples
CASESUBTYPE	VARCHAR2(3)		Overconstrained dispatch indicator: * OCD = detecting over-constrained dispatch * null = no special condition
SOLUTIONSTATUS	NUMBER(2,0)		If non-zero indicated one of the following conditions:

			* 1 = Supply Scarcity, Excess generation or constraint violations * X = Model failure
SPDVERSION	VARCHAR2(20)		Current version of SPD
NONPHYSICALLOSSES	NUMBER(1,0)		Non-Physical Losses algorithm invoked occurred during this run
TOTALOBJECTIVE	NUMBER(27,10)		The Objective function from the LP
TOTALAREAGENVIOLATION	NUMBER(15,5)		Total Region Demand violations
TOTALINTERCONNECTORVIOLATION	NUMBER(15,5)		Total interconnector violations
TOTALGENERICVIOLATION	NUMBER(15,5)		Total generic constraint violations
TOTALRAMPRATEVIOLATION	NUMBER(15,5)		Total ramp rate violations
TOTALUNITMWCAPACITYVIOLATION	NUMBER(15,5)		Total unit capacity violations
TOTAL5MINVIOLATION	NUMBER(15,5)		Total of 5 minute ancillary service region violations
TOTALREGVIOLATION	NUMBER(15,5)		Total of Regulation ancillary service region violations
TOTAL6SECVIOLATION	NUMBER(15,5)		Total of 6 second ancillary service region violations
TOTAL60SECVIOLATION	NUMBER(15,5)		Total of 60 second ancillary service region violations
TOTALASPROFILEVIOLATION	NUMBER(15,5)		Total of ancillary service trader profile violations
TOTALFASTSTARTVIOLATION	NUMBER(15,5)		Total of fast start trader profile violations
TOTALENERGYOFFERVIOLATION	NUMBER(15,5)		Total of unit summated offer band violations
LASTCHANGED	DATE		Last date and time record changed
SWITCHRUNINITIALSTATUS	NUMBER(1,0)		Flag indicating the SCADA status for FCAS Interconnector dead-band. "0" if SCADA Status or requesting Constraint not invoked. "1" if SCADA Status AND requesting Constraint is invoked
SWITCHRUNBESTSTATUS	NUMBER(1,0)		Flag indicating which Switch run was used for the Solution – from PeriodSolution

SWITCHRUNBESTSTATUS_INT	NUMBER(1,0)		Flag indicating which Switch run was used for the Intervention Physical Solution - from PeriodSolution

11.18 Table: DISPATCHCONSTRAINT

11.18.1 DISPATCHCONSTRAINT

Name	DISPATCHCONSTRAINT
Comment	DISPATCHCONSTRAINT sets out details of all binding and interregion constraints in each dispatch run. Note: invoked constraints can be established from GENCONSETINVOKE. Binding constraints show as marginal value >$0. Interconnector constraints are listed so RHS (SCADA calculated limits) can be reported.

11.18.2 Description

DISPATCHCONSTRAINT is public data, and is available to all participants.

Source

DISPATCHCONSTRAINT updates every five minutes.

11.18.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

11.18.4 Primary Key Columns

Name
CONSTRAINTID
DISPATCHINTERVAL
INTERVENTION
RUNNO
SETTLEMENTDATE

11.18.5 Index Columns

Name

LASTCHANGED

11.18.6 Index Columns

Name

SETTLEMENTDATE

11.18.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint identifier (synonymous with GenConID)
DISPATCHINTERVAL	NUMBER(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	NUMBER(2,0)	X	Manual Intervention flag, which, if set (1), causes predispatch to solve twice.
RHS	NUMBER(15,5)		Right hand Side value as used in dispatch.
MARGINALVALUE	NUMBER(15,5)		$ Value of binding constraint
VIOLATIONDEGREE	NUMBER(15,5)		Degree of violation in MW
LASTCHANGED	DATE		Last date and time record changed
DUID	VARCHAR2(20)		DUID to which the Constraint is confidential. Null denotes non-confidential
GENCONID_EFFECTIVEDATE	DATE		Effective date of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval
GENCONID_VERSIONNO	NUMBER(22,0)		Version number of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in

			this dispatch interval
LHS	number(15,5)		Aggregation of the constraints LHS term solution values

11.19 Table: DISPATCHINTERCONNECTORRES

11.19.1 DISPATCHINTERCONNECTORRES

Name	DISPATCHINTERCONNECTORRES
Comment	DISPATCHINTERCONNECTORRES sets out MW flow and losses on each interconnector for each dispatch period, including fields for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraints set the energy import and export limits.

11.19.2 Description

DISPATCHINTERCONNECTORRES is public data, and is available to all participants.

Source

DISPATCHINTERCONNECTORRES updates every 5 minutes.

Note

MW losses can be negative depending on the flow.

The definition of direction of flow for an interconnector is that positive flow starts from the FROMREGION in the INTERCONNECTOR table.

11.19.3 Notes

Name	Comment	Value
Visibility		Public

11.19.4 Primary Key Columns

Name
DISPATCHINTERVAL
INTERCONNECTORID
INTERVENTION

RUNNO

SETTLEMENTDATE

11.19.5 Index Columns

Name

LASTCHANGED

11.19.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier
DISPATCHINTERVAL	NUMBER(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	NUMBER(2,0)	X	Intervention case or not
METEREDMWFLOW	NUMBER(15,5)		Metered MW Flow from SCADA.
MWFLOW	NUMBER(15,5)		Target MW Flow for next 5 mins.
MWLOSSES	NUMBER(15,5)		Calculated MW Losses
MARGINALVALUE	NUMBER(15,5)		Shadow price resulting from thermal or reserve sharing constraints on Interconnector import/export (0 unless binding) - NEMDE Solution InterconnectorSolution element "Price" attribute
VIOLATIONDEGREE	NUMBER(15,5)		Degree of violation on interconnector constraints
LASTCHANGED	DATE		Last changed.
EXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy only.
IMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy only.

MARGINALLOSS	NUMBER(15,5)		Marginal loss factor. Use this to adjust prices between regions.
EXPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the export limit
IMPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy + FCAS.
FCASIMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy + FCAS.
LOCAL_PRICE_ADJUSTMENT_EXPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINED_EXPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
LOCAL_PRICE_ADJUSTMENT_IMPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINED_IMPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints

11.20 Table: DISPATCHLOAD

11.20.1 DISPATCHLOAD

Name DISPATCHLOAD

Comment DISPATCHLOAD set out the current SCADA MW and target MW for each dispatchable unit, including relevant Frequency Control Ancillary Services (FCAS) enabling targets for each five minutes and additional fields to handle the new Ancillary Services functionality. Fast Start Plant status is indicated by dispatch mode.

11.20.2 Description

DISPATCHLOAD data is confidential for the current day, showing own details for participant and becomes public after close of business yesterday, and is available to all participants.

Source

DISPATCHLOAD shows data for every 5 minutes for all units, even zero targets.

Volume

Expect 40-50,000 records per day. All units are repeated, even zero targets.

Note

** A flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The flag is defined using the low 3 bits as follows:

Flag Name	Bit	Description
Enabled	0	The unit is enabled to provide this ancillary service type.
Trapped	1	The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market.
Stranded	2	The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service.

Interpretation of the bit-flags as a number gives the following possibilities (i.e. other combinations are not possible):

Numeric Value	Bit (2,1,0)	Meaning
0	000	Not stranded, not trapped, not enabled.
1	001	Not stranded, not trapped, is enabled.
3	011	Not stranded, is trapped, is enabled.
4	100	Is stranded, not trapped, not enabled.

For example, testing for availability can be done by checking for odd (=available) or even (=unavailable) number (e.g. `mod(flag,2)` results in 0 for unavailable and 1 for available).

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

11.20.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

11.20.4 Primary Key Columns

Name
DUID
INTERVENTION

RUNNO

SETTLEMENTDATE

11.20.5 Index Columns

Name

LASTCHANGED

11.20.6 Index Columns

Name

DUID

LASTCHANGED

11.20.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date and time starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
TRADETYPE	NUMBER(2,0)		Not used
DISPATCHINTERVAL	NUMBER(22,0)		Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	NUMBER(2,0)	X	Intervention flag if intervention run
CONNECTIONPOINTID	VARCHAR2(12)		Connection point identifier for DUID
DISPATCHMODE	NUMBER(2,0)		Dispatch mode for fast start plant (0 to 4).
AGCSTATUS	NUMBER(2,0)		AGC Status from EMS * 1 = on * 0 = off
INITIALMW	NUMBER(15,5)		Initial MW at start of period. Negative values

			when Bi-directional Unit start from importing power, otherwise positive.
TOTALCLEARED	NUMBER(15,5)		Target MW for end of period. Negative values when Bi-directional Unit is importing power, otherwise positive.
RAMPDOWNRATE	NUMBER(15,5)		Ramp down rate used in dispatch (lesser of bid or telemetered rate).
RAMPUPRATE	NUMBER(15,5)		Ramp up rate (lesser of bid or telemetered rate).
LOWER5MIN	NUMBER(15,5)		Lower 5 min reserve target
LOWER60SEC	NUMBER(15,5)		Lower 60 sec reserve target
LOWER6SEC	NUMBER(15,5)		Lower 6 sec reserve target
RAISE5MIN	NUMBER(15,5)		Raise 5 min reserve target
RAISE60SEC	NUMBER(15,5)		Raise 60 sec reserve target
RAISE6SEC	NUMBER(15,5)		Raise 6 sec reserve target
DOWNEPF	NUMBER(15,5)		Not Used
UPEPF	NUMBER(15,5)		Not Used
MARGINAL5MINVALUE	NUMBER(15,5)		Marginal $ value for 5 min
MARGINAL60SECVALUE	NUMBER(15,5)		Marginal $ value for 60 seconds
MARGINAL6SECVALUE	NUMBER(15,5)		Marginal $ value for 6 seconds
MARGINALVALUE	NUMBER(15,5)		Marginal $ value for energy
VIOLATION5MINDEGREE	NUMBER(15,5)		Violation MW 5 min
VIOLATION60SECDEGREE	NUMBER(15,5)		Violation MW 60 seconds
VIOLATION6SECDEGREE	NUMBER(15,5)		Violation MW 6 seconds
VIOLATIONDEGREE	NUMBER(15,5)		Violation MW energy
LASTCHANGED	DATE		Last date and time record changed
LOWERREG	NUMBER(15,5)		Lower Regulation reserve target
RAISEREG	NUMBER(15,5)		Raise Regulation reserve target
AVAILABILITY	NUMBER(15,5)		For Scheduled units, this is the MAXAVAIL bid availability For Semi-scheduled units, this is the

			lower of MAXAVAIL bid availability and UIGF
RAISE6SECFLAGS	NUMBER(3,0)		Raise 6sec status flag - see
RAISE60SECFLAGS	NUMBER(3,0)		Raise 60sec status flag - see
RAISE5MINFLAGS	NUMBER(3,0)		
RAISEREGFLAGS	NUMBER(3,0)		Raise Reg status flag - see
LOWER6SECFLAGS	NUMBER(3,0)		Lower 6sec status flag - see
LOWER60SECFLAGS	NUMBER(3,0)		Lower 60sec status flag
LOWER5MINFLAGS	NUMBER(3,0)		Lower 5min status flag
LOWERREGFLAGS	NUMBER(3,0)		Lower Reg status flag - see
RAISEREGAVAILABILITY	NUMBER(15,5)		RaiseReg availability - minimum of bid and telemetered value
RAISEREGENABLEMENTMAX	NUMBER(15,5)		RaiseReg enablement max point - minimum of bid and telemetered value
RAISEREGENABLEMENTMIN	NUMBER(15,5)		RaiseReg Enablement Min point - maximum of bid and telemetered value
LOWERREGAVAILABILITY	NUMBER(15,5)		Lower Reg availability - minimum of bid and telemetered value
LOWERREGENABLEMENTMAX	NUMBER(15,5)		Lower Reg enablement Max point - minimum of bid and telemetered value
LOWERREGENABLEMENTMIN	NUMBER(15,5)		Lower Reg Enablement Min point - maximum of bid and telemetered value
RAISE6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower reg availability

SEMIDISPATCHCAP	NUMBER(3,0)		Boolean representation flagging if the Target is Capped
DISPATCHMODETIME	NUMBER(4,0)		Minutes for which the unit has been in the current DISPATCHMODE. From NEMDE TRADERSOLUTION element FSTARGETMODETIME attribute.
CONFORMANCE_MODE	NUMBER(6,0)		Mode specific to units within an aggregate. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint
UIGF	NUMBER(15,5)		For Semi-Scheduled units. Unconstrained Intermittent Generation Forecast value provided to NEMDE
RAISE1SEC	NUMBER(15,5)		Dispatched Raise1Sec - TraderSolution element R1Target attribute
RAISE1SECFLAGS	NUMBER(3,0)		TraderSolution element R1Flags attribute
LOWER1SEC	NUMBER(15,5)		Dispatched Lower1Sec - TraderSolution element L1Target attribute
LOWER1SECFLAGS	NUMBER(3,0)		TraderSolution element L1Flags attribute
RAISE1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Raise 1Sec Availability
LOWER1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Lower 1Sec Availability
INITIAL_ENERGY_STORAGE	NUMBER(15,5)		The energy storage at the start of this dispatch interval(MWh)
ENERGY_STORAGE	NUMBER(15,5)		The projected energy storage based on cleared energy and regulation FCAS dispatch(MWh)
MIN_AVAILABILITY	NUMBER(15,5)		BDU only. Load side availability (BidOfferPeriod.MAXAVAIL where DIRECTION = LOAD)
ELEMENT_CAP	NUMBER(5,0)		Cap on the number of turbines or inverters at a DUID.

11.21 Table: DISPATCHOFFERTRK

11.21.1 DISPATCHOFFERTRK

Name DISPATCHOFFERTRK

Comment	DISPATCHOFFERTRK is the energy and ancillary service bid tracking table for the Dispatch process. The table identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and bid type for each dispatch interval.

11.21.2 Description

DISPATCHOFFERTRK data is confidential to each participant until the next trading day, when the data is public to all participants.

Source

DISPATCHOFFERTRK updates every 5 minutes.

Volume

Approximately 250,000 records per day.

11.21.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

11.21.4 Primary Key Columns

Name
BIDTYPE
DUID
SETTLEMENTDATE

11.21.5 Index Columns

Name
LASTCHANGED

11.21.6 Index Columns

Name
DUID

LASTCHANGED

11.21.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Date and time of the dispatch interval (e.g. five minute dispatch interval ending 28/09/2000 16:35)
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
BIDTYPE	VARCHAR2(10)	X	Bid type Identifier - the ancillary service to which the bid applies
BIDSETTLEMENTDATE	DATE		Settlement date of bid applied
BIDOFFERDATE	TIMESTAMP(3)		Time this bid was processed and loaded
LASTCHANGED	DATE		Last date and time record changed

11.22 Table: DISPATCHPRICE

11.22.1 DISPATCHPRICE

Name DISPATCHPRICE

Comment DISPATCHPRICE records 5 minute dispatch prices for energy and FCAS, including whether an intervention has occurred, or price override (e.g. for Administered Price Cap). DISPATCHPRICE updates when price adjustments occur, in which case the new price is written to the RRP field, and the old price to the ROP field as an audit trail.

11.22.2 Description

Source

DISPATCHPRICE updates every 5 minutes.

Note

APCFLAG is a 5-bit Region-based field indicating that the original Dispatch Price (ROP) calculated by the Dispatch Algorithm for a region has undergone modification by one of more of the following processes:

Bit	Value	Description
5	16	Price Scaling via Inter-regional Loss Factor (IRLF)
4	8	Price manually overwritten
3	4	MPC or MPF binding (ROP was outside of MPC/MPF)

2	2	VoLL Override applied
1	1	APC or APF binding (ROP was outside of APC/APF)

Where:

- MPC = Market Price Cap
- MPF = Market Price Floor
- APC = Administered Price Cap
- APF = Administered Price Floor

xxxAPCFLAGs are each a 5-bit Region-based field indicating FCAS price post-processing (where "ROP" is the original NEMDE Solver price):

Bit	Cum Value	Description
5	16	Not applicable
4	8	Price manually overwritten
3	4	MPC ($VoLL) or MPF ($zero) binding (xxFCAS ROP was outside of MPC/MPF)
2	2	Not applicable
1	1	APC or APF binding (ROP was outside of APC/APF)

11.22.3 Notes

Name	Comment	Value
Visibility		Public

11.22.4 Primary Key Columns

Name
DISPATCHINTERVAL
INTERVENTION
REGIONID
RUNNO
SETTLEMENTDATE

11.22.5 Index Columns

Name
LASTCHANGED

11.22.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date and time starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
REGIONID	VARCHAR2(10)	X	Region Identifier
DISPATCHINTERVAL	VARCHAR2(22)	X	Dispatch interval identifier 001 to 288 in format YYYYMMDDPPP
INTERVENTION	NUMBER(2,0)	X	Manual intervention flag
RRP	NUMBER(15,5)		Regional Reference Price for this dispatch period. RRP is the price used to settle the market
EEP	NUMBER(15,5)		Excess energy price - no longer used
ROP	NUMBER(15,5)		Regional Override Price, being the original price prior to any price scaling, price capping or VoLL override being applied. The APC flag allows the determination of whether capping, scaling or override occurred
APCFLAG	NUMBER(3,0)		APC Active flag (see note)
MARKETSUSPENDEDFLAG	NUMBER(3,0)		Market suspended flag
LASTCHANGED	DATE		Last date and time record changed
RAISE6SECRRP	NUMBER(15,5)		
RAISE6SECROP	NUMBER(15,5)		
RAISE6SECAPCFLAG	NUMBER(3,0)		
RAISE60SECRRP	NUMBER(15,5)		
RAISE60SECROP	NUMBER(15,5)		
RAISE60SECAPCFLAG	NUMBER(3,0)		
RAISE5MINRRP	NUMBER(15,5)		
RAISE5MINROP	NUMBER(15,5)		
RAISE5MINAPCFLAG	NUMBER(3,0)		

RAISEREGRRP	NUMBER(15,5)		
RAISEREGROP	NUMBER(15,5)		
RAISEREGAPCFLAG	NUMBER(3,0)		
LOWER6SECRRP	NUMBER(15,5)		
LOWER6SECROP	NUMBER(15,5)		
LOWER6SECAPCFLAG	NUMBER(3,0)		
LOWER60SECRRP	NUMBER(15,5)		
LOWER60SECROP	NUMBER(15,5)		
LOWER60SECAPCFLAG	NUMBER(3,0)		
LOWER5MINRRP	NUMBER(15,5)		
LOWER5MINROP	NUMBER(15,5)		
LOWER5MINAPCFLAG	NUMBER(3,0)		
LOWERREGRRP	NUMBER(15,5)		
LOWERREGROP	NUMBER(15,5)		
LOWERREGAPCFLAG	NUMBER(3,0)		
PRICE_STATUS	VARCHAR2(20)		Status of regional prices for this dispatch interval "NOT FIRM" or "FIRM"
PRE_AP_ENERGY_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISE6_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISE60_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISE5MIN_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISEREG_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWER6_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWER60_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling

			sum price monitoring
PRE_AP_LOWER5MIN_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWERREG_PRICE	NUMBER(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
CUMUL_PRE_AP_ENERGY_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISE6_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISE60_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISE5MIN_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISEREG_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER6_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER60_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER5MIN_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWERREG_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
OCD_STATUS	VARCHAR2(14)		Communicates the current OCD status for this dispatch interval. Values of: 'NOT_OCD', 'OCD_UNRESOLVED', 'OCD_RESOLVED'.
MII_STATUS	VARCHAR2(21)		Communicates the current MII status for this dispatch interval. Values of: 'NOT_MII', 'MII_SUBJECT_TO_REVIEW', 'MII_PRICE_REJECTED', 'MII_PRICE_ACCEPTED'.
RAISE1SECRRP	NUMBER(15,5)		Regional Raise 1Sec Price - R1Price attribute after capping/flooring
RAISE1SECROP	NUMBER(15,5)		Raise1Sec Regional Original Price - uncapped/unfloored and unscaled
RAISE1SECAPCFLAG	NUMBER(3,0)		BitFlag field for Price adjustments - "1" = Voll_Override; "4" = Floor_VoLL; "8" =

			Manual_Override; "16" = Price_Scaled
LOWER1SECRRP	NUMBER(15,5)		Regional Lower 1Sec Price - RegionSolution element L1Price attribute
LOWER1SECROP	NUMBER(15,5)		Lower1Sec Regional Original Price - uncapped/unfloored and unscaled
LOWER1SECAPCFLAG	NUMBER(3,0)		BitFlag field for Price adjustments - "1" = Voll_Override; "4" = Floor_VoLL; "8" = Manual_Override; "16" = Price_Scaled
PRE_AP_RAISE1_PRICE	NUMBER(15,5)		Price before AP capping or scaling - for Rolling Sum Price monitoring
PRE_AP_LOWER1_PRICE	NUMBER(15,5)		Price before AP capping or scaling - for Rolling Sum Price monitoring
CUMUL_PRE_AP_RAISE1_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER1_PRICE	NUMBER(15,5)		Cumulative price that triggers administered pricing event if above the threshold

11.23 Table: DISPATCHREGIONSUM

11.23.1 DISPATCHREGIONSUM

Name	DISPATCHREGIONSUM
Comment	DISPATCHREGIONSUM sets out the 5-minute solution for each dispatch run for each region, including the Frequency Control Ancillary Services (FCAS) services provided. Additional fields are for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations.

11.23.2 Description

DISPATCHREGIONSUM is public data, and is available to all participants.

Source

DISPATCHREGIONSUM updates every 5 minutes.

Note

For details of calculations about load calculations, refer to Chapter 3 of the "Statement of Opportunities"

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

From 16 February 2006, the old reserve values are no longer populated (i.e. are null), being LORSurplus and LRCSurplus. For more details on the changes to Reporting of Reserve Condition Data, refer to AEMO Communication 2042. For the best available indicator of reserve condition in each of the regions of the NEM for each trading interval, refer to the latest run of the Pre-Dispatch PASA (see table PDPASA_REGIONSOLUTION).

11.23.3 Notes

Name	Comment	Value
Visibility		Public

11.23.4 Primary Key Columns

Name

DISPATCHINTERVAL

INTERVENTION

REGIONID

RUNNO

SETTLEMENTDATE

11.23.5 Index Columns

Name

LASTCHANGED

11.23.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date and time starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
REGIONID	VARCHAR2(10)	X	Region Identifier

DISPATCHINTERVAL	NUMBER(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	NUMBER(2,0)	X	Manual Intervention flag
TOTALDEMAND	NUMBER(15,5)		Demand (less loads)
AVAILABLEGENERATION	NUMBER(15,5)		Aggregate generation bid available in region
AVAILABLELOAD	NUMBER(15,5)		Aggregate load bid available in region
DEMANDFORECAST	NUMBER(15,5)		5 minute forecast adjust
DISPATCHABLEGENERATION	NUMBER(15,5)		Dispatched Generation
DISPATCHABLELOAD	NUMBER(15,5)		Dispatched Load (add to total demand to get inherent region demand).
NETINTERCHANGE	NUMBER(15,5)		Net interconnector flow from the regional reference node
EXCESSGENERATION	NUMBER(15,5)		MW quantity of excess
LOWER5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	NUMBER(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 5 min
LOWER5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 5 min
LOWER5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER5MINSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 5 min
LOWER60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW imported

LOWER60SECLOCALDISPATCH	NUMBER(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 60 sec
LOWER60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec local requirement
LOWER60SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 60 sec
LOWER60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER60SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 60 sec
LOWER6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	NUMBER(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 6 sec
LOWER6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 6 sec
LOWER6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
LOWER6SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 6 sec
RAISE5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW dispatch
RAISE5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	NUMBER(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Raise price of lower 5 min
RAISE5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min local

			requirement
RAISE5MINPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 5 min
RAISE5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE5MINSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 5 min
RAISE60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	NUMBER(15,5)		Raise 60 sec local dispatch
RAISE60SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 60 sec
RAISE60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 60 sec
RAISE60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE60SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 60 sec
RAISE6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISPATCH	NUMBER(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 6 sec
RAISE6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 6 sec
RAISE6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec total

			requirement
RAISE6SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 6 sec
AGGEGATEDISPATCHERROR	NUMBER(15,5)		Calculated dispatch error
AGGREGATEDISPATCHERROR	NUMBER(15,5)		Calculated dispatch error
LASTCHANGED	DATE		Last date and time record changed
INITIALSUPPLY	NUMBER(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	NUMBER(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGLOCALDISPATCH	NUMBER(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGLOCALDISPATCH	NUMBER(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement

LOWERREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
RAISE6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower reg availability
LORSURPLUS	NUMBER(16,6)		Not in use after 17 Feb 2006. Total short term generation capacity reserve used in assessing lack of reserve condition

LRCSURPLUS	NUMBER(16,6)		Not in use after 17 Feb 2006. Total short term generation capacity reserve above the stated low reserve condition requirement
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULE_CLEAREDMW	NUMBER(15,5)		Regional aggregated Semi-Schedule generator Cleared MW
SEMISCHEDULE_COMPLIANCEMW	NUMBER(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced
SS_SOLAR_UIGF	Number(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is solar
SS_WIND_UIGF	Number (15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is wind
SS_SOLAR_CLEAREDMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is solar
SS_WIND_CLEAREDMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is wind
SS_SOLAR_COMPLIANCEMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is solar
SS_WIND_COMPLIANCEMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is wind
WDR_INITIALMW	NUMBER(15,5)		Regional aggregated MW value at start of interval for Wholesale Demand Response (WDR) units

WDR_AVAILABLE	NUMBER(15,5)		Regional aggregated available MW for Wholesale Demand Response (WDR) units
WDR_DISPATCHED	NUMBER(15,5)		Regional aggregated dispatched MW for Wholesale Demand Response (WDR) units
SS_SOLAR_AVAILABILITY	NUMBER(15,5)		For Semi-Scheduled units. Aggregate Energy Availability from Solar units in that region
SS_WIND_AVAILABILITY	NUMBER(15,5)		For Semi-Scheduled units. Aggregate Energy Availability from Wind units in that region
RAISE1SECLOCALDISPATCH	NUMBER(15,5)		Total Raise1Sec Dispatched in Region - RegionSolution element R1Dispatch attribute
LOWER1SECLOCALDISPATCH	NUMBER(15,5)		Total Lower1Sec Dispatched in Region - RegionSolution element L1Dispatch attribute
RAISE1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Raise1Sec availability (summated from UnitSolution)
LOWER1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Lower1Sec availability (summated from UnitSolution)
BDU_ENERGY_STORAGE	NUMBER(15,5)		Regional aggregated energy storage where the DUID type is BDU (MWh)
BDU_MIN_AVAIL	NUMBER(15,5)		Total available load side BDU summated for region (MW)
BDU_MAX_AVAIL	NUMBER(15,5)		Total available generation side BDU summated for region (MW)
BDU_CLEAREDMW_GEN	NUMBER(15,5)		Regional aggregated cleared MW where the DUID type is BDU. Net of export (Generation)
BDU_CLEAREDMW_LOAD	NUMBER(15,5)		Regional aggregated cleared MW where the DUID type is BDU. Net of import (Load)
BDU_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy Storage for BDU at the start of the interval(MWh) - Region Aggregated
DECGEN_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy storage for Daily Energy Constrained Scheduled Generating Units at the start of the interval(MWh) - Region Aggregated

11.24 Table: INTERMITTENT_FORECAST_TRK

11.24.1 INTERMITTENT_FORECAST_TRK

Name	INTERMITTENT_FORECAST_TRK
Comment	Uniquely tracks which Intermittent Generation forecast was used for the DUID in which Dispatch run

11.24.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

11.24.3 Primary Key Columns

Name

DUID

SETTLEMENTDATE

11.24.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	DateTime of the Dispatch run (dispatch interval ending)
DUID	VARCHAR2(20)	X	Tracks to INTERMITTENT_DS_RUN.DUID
ORIGIN	VARCHAR2(20)		Tracks to INTERMITTENT_DS_RUN.ORIGIN, except when the forecast used is either SCADA or FCST or Last Target
FORECAST_PRIORITY	NUMBER(10,0)		Tracks to INTERMITTENT_DS_RUN.FORECAST_PRIORITY, except for -1 which denotes SCADA or FCST, and 0 which denotes Last Target
OFFERDATETIME	DATE		Tracks to INTERMITTENT_DS_RUN.OFFERDATETIME

11.25 Table: NEGATIVE_RESIDUE

11.25.1 NEGATIVE_RESIDUE

Name	NEGATIVE_RESIDUE
Comment	Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon

11.25.2 Notes

Name	Comment	Value
Visibility		Public

11.25.3 Primary Key Columns

Name

DIRECTIONAL_INTERCONNECTORID

NRM_DATETIME

SETTLEMENTDATE

11.25.4 Index Columns

Name

SETTLEMENTDATE

NRM_DATETIME

DIRECTIONAL_INTERCONNECTORID

11.25.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	date	X	Dispatch Interval
NRM_DATETIME	date	X	The time that residue information is processed

DIRECTIONAL_INTERCONNECTORID	varchar2(30)	X	Negative residue related direction interconnector id
NRM_ACTIVATED_FLAG	number(1,0)		Is 1 if negative residue process is on, else is 0
CUMUL_NEGRESIDUE_AMOUNT	number(15,5)		Negative residue triggering amount
CUMUL_NEGRESIDUE_PREV_TI	number(15,5)		Previous trading interval cumulative negative residue amount
NEGRESIDUE_CURRENT_TI	number(15,5)		Current trading interval negative residue amount
NEGRESIDUE_PD_NEXT_TI	number(15,5)		The cumulative negative residue for the next trading interval (PD)
PRICE_REVISION	varchar2(30)		SubjectToReview, Indeterminate, Accepted or Rejected
PREDISPATCHSEQNO	varchar2(20)		Predispatch sequence number
EVENT_ACTIVATED_DI	date		The starting DI when NRM event is active
EVENT_DEACTIVATED_DI	date		The finishing DI when NRM event stops being active.
DI_NOTBINDING_COUNT	number(2,0)		Count of the number of DIs not binding by this constraint
DI_VIOLATED_COUNT	number(2,0)		Count of the number of DIs violated by this constraint
NRMCONSTRAINT_BLOCKED_FLAG	number(1,0)		1 if constraint is blocked, else 0
NRM_LOOP_FLAG	NUMBER(1,0)		NRM Loop Flag controls monitoring behaviour: 0 = Individual NRM monitoring suppressed (loop operational with aggregate IRSR >= 0) 1 = Individual NRM monitoring active (applies to: loop not operational, aggregate loop IRSR < 0, or non-loop interconnection) This flag is evaluated and set for ALL interconnections in each dispatch interval

12 Package: FORCE_MAJEURE

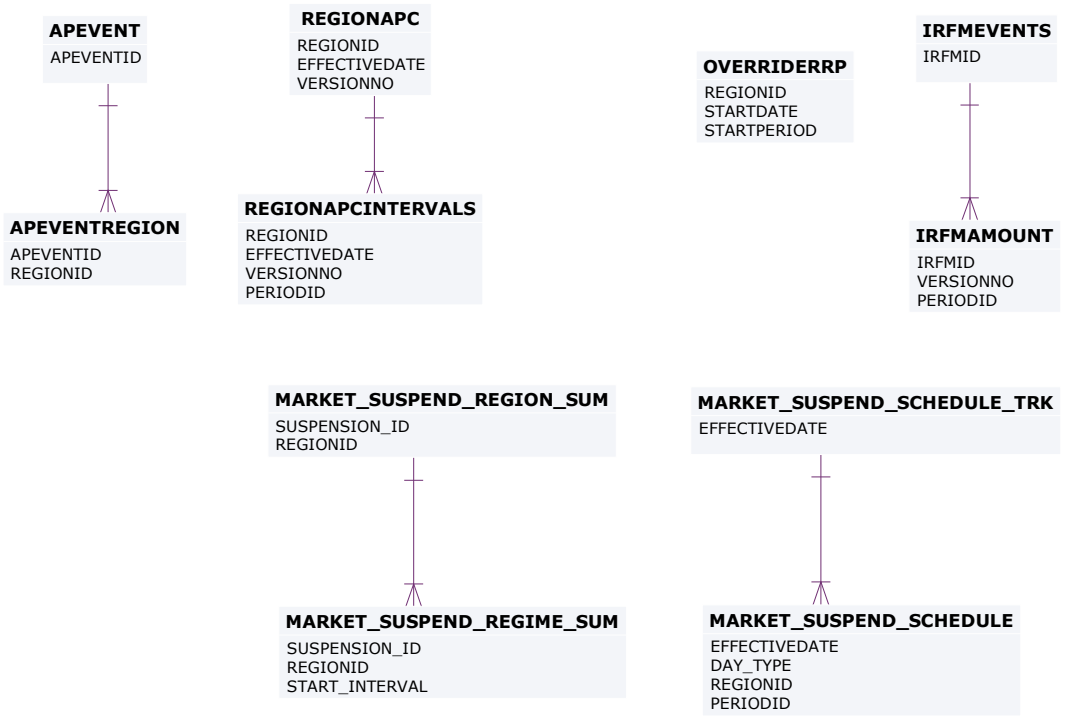
Name FORCE_MAJEURE

Comment Market Suspensions and administer pricing event data

12.1 List of tables

Name	Comment	Visibility
APEVENT	APEVENT is the driving data defining the existence and timeframes of an administered pricing event.	Public
APEVENTREGION	APEVENTREGION is the Region detail for an administered pricing event defined through APEVENT.	Public
IRFMAMOUNT	IRFMAMOUNT sets out settlement amounts associated with Industrial Relations Forced Majeure events.	Public
IRFMEVENTS	IRFMEVENTS sets out specific Industrial Relations Forced Majeure events.	Public
MARKET_SUSPEND_REGIME_SUM	Tracks the evolution of pricing regimes applied to the suspended region and from which Dispatch Interval	Public
MARKET_SUSPEND_REGION_SUM	Summary of Market Suspension timings	Public
MARKET_SUSPEND_SCHEDULE	Trading prices that will apply in the event of a market suspension event updated weekly.	Public
MARKET_SUSPEND_SCHEDULE_TRK	Parent table for pricing regimes used in suspensions	Public
OVERRIDERRP	OVERRIDERRP shows details of override price periods.	Public
REGIONAPC	REGIONAPC defines Administered Price profiles (Energy and FCAS) for a region.	Public
REGIONAPCINTERVALS	REGIONAPCINTERVALS contains Administered Price profiles (Energy and FCAS) applicable to each interval for a region.	Public

12.2 Diagram: Entities: Force Majeure



12.3 Table: APEVENT

12.3.1 APEVENT

Name	APEVENT
Comment	APEVENT is the driving data defining the existence and timeframes of an administered pricing event.

12.3.2 Notes

Name	Comment	Value
Visibility		Public

12.3.3 Primary Key Columns

Name
APEVENTID

12.3.4 Index Columns

Name
LASTCHANGED

12.3.5 Content

Name	Data Type	Mandatory	Comment
APEVENTID	NUMBER(22,0)	X	Unique identifier for this administered pricing event
EFFECTIVEFROMINTERVAL	DATE		Date Time of the first Dispatch Interval to which the administered event applies
EFFECTIVETOINTERVAL	DATE		Date Time of the final Dispatch Interval to which the administered event applies
REASON	VARCHAR2(2000)		Description of the driver for the Event

STARTAUTHORISEDBY	VARCHAR2(15)		Authorising staff for start of AP event
STARTAUTHORISEDDATE	DATE		Date-Time start authorised
ENDAUTHORISEDBY	VARCHAR2(15)		Authorising staff for end of AP event
ENDAUTHORISEDDATE	DATE		Date Time end authorised
LASTCHANGED	DATE		Date-Time the record was last modified

12.4 Table: APEVENTREGION

12.4.1 APEVENTREGION

Name APEVENTREGION

Comment APEVENTREGION is the Region detail for an administered pricing event defined through APEVENT.

12.4.2 Notes

Name	Comment	Value
Visibility		Public

12.4.3 Primary Key Columns

Name

APEVENTID

REGIONID

12.4.4 Index Columns

Name

LASTCHANGED

12.4.5 Content

Name	Data Type	Mandatory	Comment
APEVENTID	NUMBER(22,0)	X	Unique identifier for this administered pricing event
REGIONID	VARCHAR2(10)	X	Date-Time of the first Dispatch Interval to which the administered event applies
LASTCHANGED	DATE		Date Time of the final Dispatch Interval to which the administered event applies
ENERGYAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers an energy AP
RAISE6SECAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a raise6sec AP
RAISE60SECAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a raise60sec AP
RAISE5MINAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a raise5min AP
RAISEREGAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a raisereg AP
LOWER6SECAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a lower6sec AP
LOWER60SECAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a lower60sec AP flag indicating if the apevent covers a lower5min AP flag indicating if the apevent covers a lowerreg AP flag indicating if the apevent covers a lower60sec AP
LOWER5MINAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a lower5min AP
LOWERREGAPFLAG	NUMBER(1,0)		flag indicating if the apevent covers a lowerreg AP
RAISE1SECAPFLAG	NUMBER(3,0)		Flag indicating if the APEvent covers a Raise1Sec AP
LOWER1SECAPFLAG	NUMBER(3,0)		Flag indicating if the APEvent covers a

			Lower1Sec AP

12.5 Table: IRFMAMOUNT

12.5.1 IRFMAMOUNT

Name	IRFMAMOUNT
Comment	IRFMAMOUNT sets out settlement amounts associated with Industrial Relations Forced Majeure events.

12.5.2 Description

IRFMAMOUNTis public data.

Source

IRFMAMOUNT is obsolete; was updated with each settlement run as required.

12.5.3 Notes

Name	Comment	Value
Visibility		Public

12.5.4 Primary Key Columns

Name
IRFMID
PERIODID
VERSIONNO

12.5.5 Index Columns

Name
LASTCHANGED

12.5.6 Content

Name	Data Type	Mandatory	Comment
IRFMID	VARCHAR2(10)	X	Unique Industrial Relations Force Majeure event
EFFECTIVEDATE	DATE		Date of event
VERSIONNO	NUMBER(3,0)	X	Version number of record of event
PERIODID	NUMBER(4,0)	X	Settlement period
AMOUNT	NUMBER(15,5)		Total settlement amount in $
AUTHORISEDBY	VARCHAR2(15)		Person authorising amount
AUTHORISEDDATE	DATE		Authorised date
LASTCHANGED	DATE		last changed

12.6 Table: IRFMEVENTS

12.6.1 IRFMEVENTS

Name	IRFMEVENTS
Comment	IRFMEVENTS sets out specific Industrial Relations Forced Majeure events.

12.6.2 Description

IRFMEVENTS is public data.

Source

IRFMEVENTS updates with the occurrence of any such events.

12.6.3 Notes

Name	Comment	Value
Visibility		Public

12.6.4 Primary Key Columns

Name

IRFMID

12.6.5 Index Columns

Name

LASTCHANGED

12.6.6 Content

Name	Data Type	Mandatory	Comment
IRFMID	VARCHAR2(10)	X	
STARTDATE	DATE		
STARTPERIOD	NUMBER(3,0)		
ENDDATE	DATE		
ENDPERIOD	NUMBER(3,0)		
LASTCHANGED	DATE		

12.7 Table: MARKET_SUSPEND_REGIME_SUM

12.7.1 MARKET_SUSPEND_REGIME_SUM

Name MARKET_SUSPEND_REGIME_SUM

Comment Tracks the evolution of pricing regimes applied to the suspended region and from which Dispatch Interval

12.7.2 Description

MARKET_SUSPEND_REGIME_SUM is public data, so is available to all participants.

12.7.3 Notes

Name	Comment	Value
Visibility		Public

12.7.4 Primary Key Columns

Name
REGIONID
START_INTERVAL
SUSPENSION_ID

12.7.5 Content

Name	Data Type	Mandatory	Comment
SUSPENSION_ID	VARCHAR2(20)	X	Unique identifier for this suspension event
REGIONID	VARCHAR2(20)	X	Region(s) covered by this evolution of the event
START_INTERVAL	DATE	X	First Dispatch interval from which this regime applies
END_INTERVAL	DATE		Last Dispatch interval for which this regime applies
PRICING_REGIME	VARCHAR2(20)		Pricing Regime applied
LASTCHANGED	DATE		Last date and time record changed

12.8 Table: MARKET_SUSPEND_REGION_SUM

12.8.1 MARKET_SUSPEND_REGION_SUM

Name	MARKET_SUSPEND_REGION_SUM
Comment	Summary of Market Suspension timings

12.8.2 Description

MARKET_SUSPEND is public data, so is available to all participants.

12.8.3 Notes

Name	Comment	Value
Visibility		Public

12.8.4 Primary Key Columns

Name
REGIONID
SUSPENSION_ID

12.8.5 Content

Name	Data Type	Mandatory	Comment
SUSPENSION_ID	VARCHAR2(20)	X	Unique identifier for this suspension event
REGIONID	VARCHAR2(20)	X	Region(s) covered by the Suspension event
INITIAL_INTERVAL	DATE		Initial interval of the Suspension event
END_REGION_INTERVAL	DATE		Last Dispatch interval for the Suspension event for this Region
END_SUSPENSION_INTERVAL	DATE		Last Dispatch interval for the Suspension event
LASTCHANGED	DATE		Last DateTime the Suspension was administered

12.9 Table: MARKET_SUSPEND_SCHEDULE

12.9.1 MARKET_SUSPEND_SCHEDULE

Name	MARKET_SUSPEND_SCHEDULE
Comment	Trading prices that will apply in the event of a market suspension event updated weekly.

12.9.2 Description

MARKET_SUSPEND_SCHEDULE is public data, so is available to all participants.

12.9.3 Notes

Name	Comment	Value
Visibility		Public

12.9.4 Primary Key Columns

Name
DAY_TYPE
EFFECTIVEDATE
PERIODID
REGIONID

12.9.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar date from when this record set is effective
DAY_TYPE	VARCHAR2(20)	X	Distinguishes which record set to apply - at time of writing this was Business or Non-business day but may change in the future depending on outcome of consultation
REGIONID	VARCHAR2(20)	X	Region affected.
PERIODID	NUMBER(3,0)	X	48 intervals for a day, midnight base (equates to 00:30 - 00:00)
ENERGY_RRP	NUMBER(15,5)		Energy Price applied for this period for this Day Type
R6_RRP	NUMBER(15,5)		Raise 6Sec contingency Price applied for this

			period for this Day Type
R60_RRP	NUMBER(15,5)		Raise 60Sec contingency Price applied for this period for this Day Type
R5_RRP	NUMBER(15,5)		Raise 5Min contingency Price applied for this period for this Day Type
RREG_RRP	NUMBER(15,5)		Raise Regulation contingency Price applied for this period for this Day Type
L6_RRP	NUMBER(15,5)		Lower 6Sec contingency Price applied for this period for this Day Type
L60_RRP	NUMBER(15,5)		Lower 60Sec contingency Price applied for this period for this Day Type
L5_RRP	NUMBER(15,5)		Lower 5Min contingency Price applied for this period for this Day Type
LREG_RRP	NUMBER(15,5)		Lower Regulation Price applied for this period for this Day Type
LASTCHANGED	DATE		Last date and time record changed
L1_RRP	NUMBER(15,5)		Lower 1Sec contingency Price applied for this period for this Day Type
R1_RRP	NUMBER(15,5)		Raise 1Sec contingency Price applied for this period for this Day Type

12.10 Table: MARKET_SUSPEND_SCHEDULE_TRK

12.10.1 MARKET_SUSPEND_SCHEDULE_TRK

Name MARKET_SUSPEND_SCHEDULE_TRK

Comment Parent table for pricing regimes used in suspensions

12.10.2 Notes

Name	Comment	Value
Visibility		Public

12.10.3 Primary Key Columns

Name

EFFECTIVEDATE

12.10.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar date from when this record set is effective
SOURCE_START_DATE	DATE		Start Date of the date range for the source data
SOURCE_END_DATE	DATE		End Date of the date range for the source data
COMMENTS	VARCHAR2(1000)		Reason why this regime was applied
AUTHORISEDDATE	DATE		DateTime this record set was loaded
LASTCHANGED	DATE		Last date and time record changed

12.11 Table: OVERRIDERRP

12.11.1 OVERRIDERRP

Name OVERRIDERRP

Comment OVERRIDERRP shows details of override price periods.

12.11.2 Description

OVERRIDERRP data is public, so is available to all participants.

Source

OVERRIDERRP updates every five minutes when override prices apply for the period.

12.11.3 Notes

Name	Comment	Value
Visibility		Public

12.11.4 Primary Key Columns

Name
REGIONID
STARTDATE
STARTPERIOD

12.11.5 Index Columns

Name
LASTCHANGED

12.11.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Region Identifier
STARTDATE	DATE	X	Starting date of override
STARTPERIOD	NUMBER(3,0)	X	Starting period of override
ENDDATE	DATE		Termination date of override
ENDPERIOD	NUMBER(3,0)		Terminate period of override
RRP	NUMBER(15,0)		Dispatch Price
DESCRIPTION	VARCHAR2(128)		Description of reason for override
AUTHORISESTART	VARCHAR2(15)		Authorise Start of Override
AUTHORISEEND	VARCHAR2(15)		Authorise End of Override
LASTCHANGED	DATE		Last date and time record changed

12.12 Table: REGIONAPC

12.12.1 REGIONAPC

Name	REGIONAPC
Comment	REGIONAPC defines Administered Price profiles (Energy and FCAS) for a region.

12.12.2 Description

REGIONAPC data is public, so is available to all participants.

Source

REGIONAPC updates when a change is ever made to the Administered Price Cap details. Changes to this table are infrequent.

12.12.3 Notes

Name	Comment	Value
Visibility		Public

12.12.4 Primary Key Columns

Name
EFFECTIVEDATE
REGIONID
VERSIONNO

12.12.5 Index Columns

Name
LASTCHANGED

12.12.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Region Identifier
EFFECTIVEDATE	DATE	X	Date the APC profile applies from
VERSIONNO	NUMBER(3,0)	X	Version number for the same date
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(10)		Authorised by
LASTCHANGED	DATE		Last date and time record changed

12.13 Table: REGIONAPCINTERVALS

12.13.1 REGIONAPCINTERVALS

Name	REGIONAPCINTERVALS
Comment	REGIONAPCINTERVALS contains Administered Price profiles (Energy and FCAS) applicable to each interval for a region.

12.13.2 Description

REGIONAPCINTERVALS data is public, so is available to all participants.

Source

REGIONAPCINTERVALS is updated whenever an Administered Price Cap occurs.

12.13.3 Notes

Name	Comment	Value
Visibility		Public

12.13.4 Primary Key Columns

Name
EFFECTIVEDATE

PERIODID

REGIONID

VERSIONNO

12.13.5 Index Columns

Name

LASTCHANGED

12.13.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Region Identifier
EFFECTIVEDATE	DATE	X	Date the APC profile applies from
VERSIONNO	NUMBER(3,0)	X	Version number for the same date
PERIODID	NUMBER(3,0)	X	30-minute period
APCVALUE	NUMBER(16,6)		Administered price cap in $
LASTCHANGED	DATE		Last date and time record changed
APCTYPE	NUMBER(3,0)		not used
FCASAPCVALUE	NUMBER(16,6)		FCAS Administered price cap in $
APFVALUE	NUMBER(16,6)		Administered price floor in $

13 Package: GD_INSTRUCT

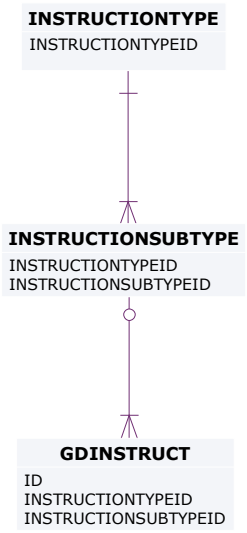
Name GD_INSTRUCT

Comment General Dispatch Instruction data

13.1 List of tables

Name	Comment	Visibility
GDINSTRUCT	GDINSTRUCT shows all manually issued dispatch instructions for a dispatchable unit. Ancillary Service instructions are to enable and to disable (i.e. 2 separate instructions) a service. Non-conforming units are also instructed via this facility. However, this facility is not the same as the market notice.	Public
INSTRUCTIONSUBTYPE	Each Dispatch instruction (GD instruct) has a type and subtype. INSTRUCTIONSUBTYPE, together with INSTRUCTIONTYPE, sets out valid instruction types.	Public
INSTRUCTIONTYPE	Dispatch instruction (GD instruct) has types and subtypes. INSTRUCTIONTYPE, together with INSTRUCTIONSUBTYPE, sets out valid instruction types.	Public

13.2 Diagram: Entities: GD Instruct



13.3 Table: GDINSTRUCT

13.3.1 GDINSTRUCT

Name	GDINSTRUCT
Comment	GDINSTRUCT shows all manually issued dispatch instructions for a dispatchable unit. Ancillary Service instructions are to enable and to disable (i.e. 2 separate instructions) a service. Non-conforming units are also instructed via this facility. However, this facility is not the same as the market notice.

13.3.2 Description

Source

GDINSTRUCT updates on issue of an instruction by AEMO, with visibility restricted on the day of issue to the relevant participant. All participants have previous days' data available.

13.3.3 Notes

Name	Comment	Value
Visibility		Public

13.3.4 Primary Key Columns

Name
ID

13.3.5 Index Columns

Name
LASTCHANGED

13.3.6 Index Columns

Name
DUID

13.3.7 Index Columns

Name

TARGETTIME

13.3.8 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)		Dispatchable unit identifier
STATIONID	VARCHAR2(10)		Station Identifier
REGIONID	VARCHAR2(10)		Region Identifier
ID	NUMBER(22,0)	X	Instruction ID (sequential number)
INSTRUCTIONTYPEID	VARCHAR2(10)		Instruction type
INSTRUCTIONSUBTYPEID	VARCHAR2(10)		Instruction sub type
INSTRUCTIONCLASSID	VARCHAR2(10)		Instruction class
REASON	VARCHAR2(64)		Reason
INSTLEVEL	NUMBER(6,0)		Instruction target level
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(15)		User authorised by
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
ISSUEDTIME	DATE		Date / time issued
TARGETTIME	DATE		Date / time instruction to apply
LASTCHANGED	DATE		Last date and time record changed

13.4 Table: INSTRUCTIONSUBTYPE

13.4.1 INSTRUCTIONSUBTYPE

Name	INSTRUCTIONSUBTYPE
Comment	Each Dispatch instruction (GD instruct) has a type and subtype. INSTRUCTIONSUBTYPE, together with INSTRUCTIONTYPE, sets out valid instruction types.

13.4.2 Description

INSTRUCTIONSUBTYPE is public data, and is available to all participants.

Source

INSTRUCTIONSUBTYPE shows ad hoc updates to market configuration.

13.4.3 Notes

Name	Comment	Value
Visibility		Public

13.4.4 Primary Key Columns

Name
INSTRUCTIONSUBTYPEID
INSTRUCTIONTYPEID

13.4.5 Index Columns

Name
LASTCHANGED

13.4.6 Content

Name	Data Type	Mandatory	Comment

INSTRUCTIONTYPEID	VARCHAR2(10)	X	Instruction type
INSTRUCTIONSUBTYPEID	VARCHAR2(10)	X	Subtype for each dispatch instruction type, for example governor off.
DESCRIPTION	VARCHAR2(64)		Description of instruction subtype
LASTCHANGED	DATE		Last date and time record changed

13.5 Table: INSTRUCTIONTYPE

13.5.1 INSTRUCTIONTYPE

Name	INSTRUCTIONTYPE
Comment	Dispatch instruction (GD instruct) has types and subtypes. INSTRUCTIONTYPE, together with INSTRUCTIONSUBTYPE, sets out valid instruction types.

13.5.2 Description

INSTRUCTIONTYPE data is public to all participants.

Source

INSTRUCTIONTYPE shows ad hoc updates to market configuration.

13.5.3 Notes

Name	Comment	Value
Visibility		Public

13.5.4 Primary Key Columns

Name
INSTRUCTIONTYPEID

13.5.5 Index Columns

Name

LASTCHANGED

13.5.6 Content

Name	Data Type	Mandatory	Comment
INSTRUCTIONTYPEID	VARCHAR2(10)	X	Dispatch instruction type for example FCAS service.
DESCRIPTION	VARCHAR2(64)		Description of instruction type
REGIONID	VARCHAR2(10)		Region id if regional instruction only.
LASTCHANGED	DATE		Last date and time record changed

14 Package: GENERIC_CONSTRAINT

Name GENERIC_CONSTRAINT

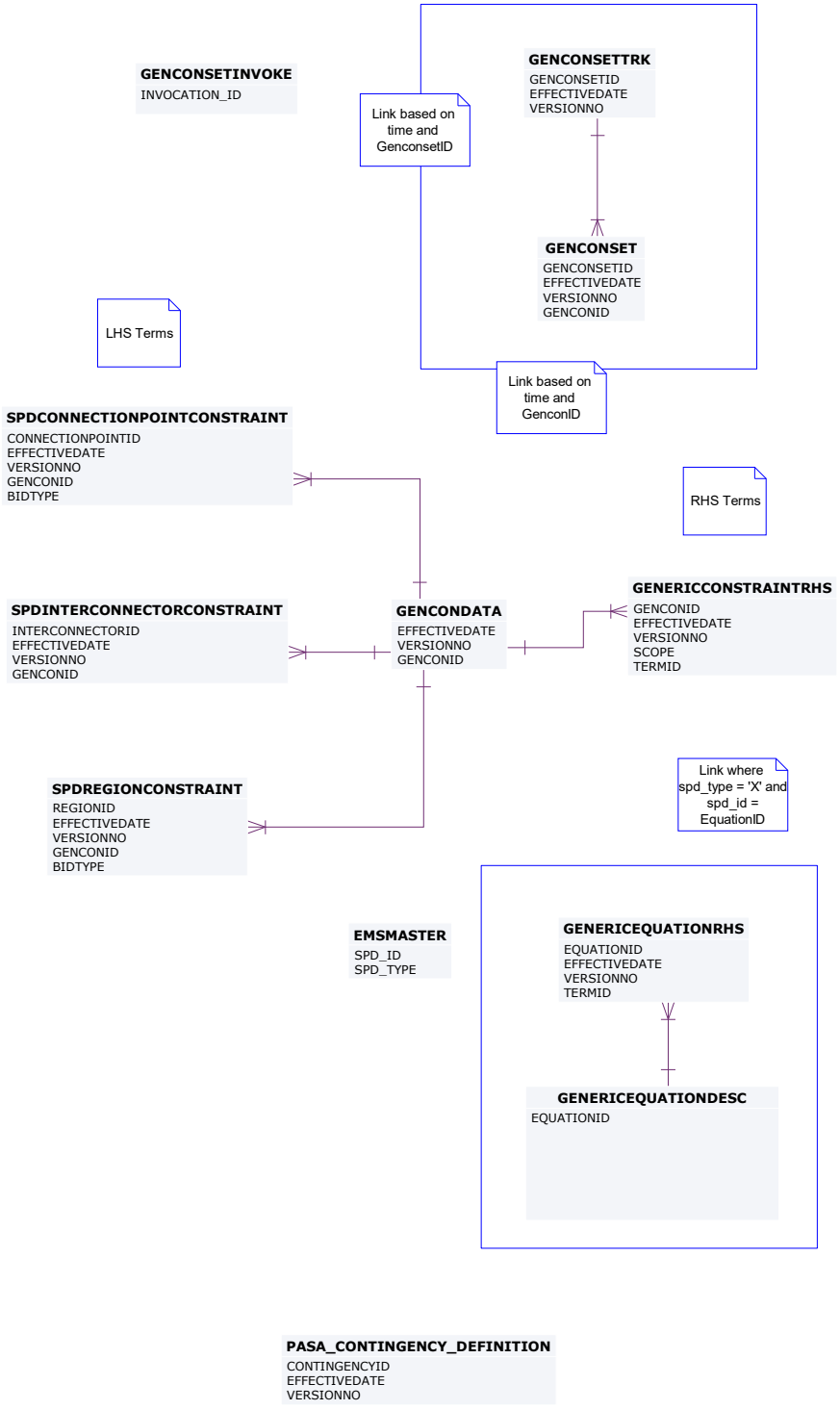
Comment Generic Constraint Standing Data and Invocations

14.1 List of tables

Name	Comment	Visibility
EMSMASTER	EMSMASTER provides a description of the SCADA measurements that are associated with the SPD_ID points utilised in generic equation RHS terms	Public
GENCONDATA	GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispatch and dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispatch, ST PASA or MT PASA processes.	Public
GENCONSET	GENCONSET sets out generic constraint sets that are invoked and revoked, and may contain many generic constraints (GENCONDATA).	Public
GENCONSETINVOKE	GENCONSETINVOKE provides details of invoked and revoked generic constraints. GENCONSETINVOKE is the key table for determining what constraints are active in dispatch, predispatch and PASA. GENCONSETINVOKE also indicates whether constraints are for interconnector limits, ancillary services, etc.	Public
GENCONSETTRK	GENCONSETTRK assists in determining the correct version of a generic constraint set that has been invoked in GENCONSETINVOKE.	Public
GENERICCONSTRAINTRHS	GENERICCONSTRAINTRHS sets out details of generic constraint Right Hand Side (RHS) formulations for dispatch (DS), predispatch (PD) and Short Term PASA (ST). GENERICCONSTRAINTRHS also includes general expressions (EQ) used in the dispatch, predispatch and PASA time frames. GENERICCONSTRAINTRHS replaces data previously available via the "Constraint Library" Excel spreadsheet.	Public

GENERICEQUATIONDESC	GENERICEQUATIONDESC defines a generic equation identifier with a description. The formulation of the generic equation is detailed in GENERICEQUATIONRHS.	Public
GENERICEQUATIONRHS	GENERICEQUATIONRHS stores the formulation of commonly used Generic Constraint Right Hand Side Equations referenced from Generic Constraint Right Hand Side definitions stored in GENERICCONSTRAINTRHS. The Generic Equation definitions are versioned and the latest effective version is applied to the dispatch process.	Public
PASA_CONTINGENCY_DEFINITION	PASA_CONTINGENCY_DEFINITION shows the contingency details used by PD and ST PASA.	Public
SPDCONNECTIONPOINTCONSTRAINT	SPDCONNECTIONPOINTCONSTRAINT sets out details of connections point constraints issued in dispatch, predispatch and STPASA.	Public
SPDINTERCONNECTORCONSTRAINT	SPDINTERCONNECTORCONSTRAINT contains details on the interconnector constraint factors used in dispatch, predispatch and STPASA. The details set a LHS value.	Public
SPDREGIONCONSTRAINT	SPDREGIONCONSTRAINT contains details on region demand constraint factors used in dispatch. SPDREGIONCONSTRAINTsets a LHS value.	Public

14.2 Diagram: Entities: Generic Constraints



14.3 Table: EMSMASTER

14.3.1 EMSMASTER

Name	EMSMASTER
Comment	EMSMASTER provides a description of the SCADA measurements that are associated with the SPD_ID points utilised in generic equation RHS terms

14.3.2 Notes

Name	Comment	Value
Visibility		Public

14.3.3 Primary Key Columns

Name
SPD_ID
SPD_TYPE

14.3.4 Index Columns

Name
LASTCHANGED

14.3.5 Content

Name	Data Type	Mandatory	Comment
SPD_ID	VARCHAR(21)	X	ID defining data source
SPD_TYPE	VARCHAR(1)	X	ID describing type of data source
DESCRIPTION	VARCHAR(255)		The detailed description of the SCADA point associated with the SPD_ID
GROUPING_ID	VARCHAR(20)		The Grouping associated with the SPD ID -

			most often a RegionID
LASTCHANGED	DATE		Last date and time record changed

14.4 Table: GENCONDATA

14.4.1 GENCONDATA

Name	GENCONDATA
Comment	GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispatch and dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispatch, ST PASA or MT PASA processes.

14.4.2 Description

GENCONDATA is a public data, and is available to all participants.

Source

GENCONDATA updates as constraint details are updated by AEMO.

Note

The following fields enable selective application of invoked constraints in the Dispatch, Predispatch, ST PASA or MT PASA processes:

- DISPATCH
- PREDISPATCH
- STPASA
- MTPASA

The flag P5MIN_SCOPE_OVERRIDE indicates for each constraint whether 5MPD makes use of the default Dispatch (P5MIN_SCOPE_OVERRIDE = NULL) or Pre-dispatch (P5MIN_SCOPE_OVERRIDE = 'PD') style RHS definition. GENERICCONSTRAINTRHS stores generic constraint RHS definitions. Constraints without records in GENERICCONSTRAINTRHS only make use of the static RHS defined in the CONSTRAINTVALUE column in GENCONDATA .

The default value for the P5MIN_SCOPE_OVERRIDE column is NULL, so constraints existing before implementing the column use the DISPATCH RHS definition by default, as was the case before the implementation of the change.

14.4.3 Notes

Name	Comment	Value

Visibility	Public

14.4.4 Primary Key Columns

Name

EFFECTIVEDATE

GENCONID

VERSIONNO

14.4.5 Index Columns

Name

LASTCHANGED

14.4.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of this constraint
VERSIONNO	NUMBER(3,0)	X	Version with respect to the effective date
GENCONID	VARCHAR2(20)	X	Unique ID for the constraint
CONSTRAINTTYPE	VARCHAR2(2)		The logical operator (=, >=, <=)
CONSTRAINTVALUE	NUMBER(16,6)		the RHS value used if there is no dynamic RHS defined in GenericConstraintRHS
DESCRIPTION	VARCHAR2(256)		Detail of the plant that is not in service
STATUS	VARCHAR2(8)		Not used
GENERICCONSTRAINTWEIGHT	NUMBER(16,6)		The constraint violation penalty factor
AUTHORISEDDATE	DATE		Date record authorised
AUTHORISEDBY	VARCHAR2(15)		User authorising record
DYNAMICRHS	NUMBER(15,5)		Not used

LASTCHANGED	DATE		Last date and time record changed
DISPATCH	VARCHAR2(1)		Flag: constraint RHS used for Dispatch? 1-used, 0-not used
PREDISPATCH	VARCHAR2(1)		Flag to indicate if the constraint RHS is to be used for PreDispatch, 1-used, 0-not used
STPASA	VARCHAR2(1)		Flag to indicate if the constraint RHS is to be used for ST PASA, 1-used, 0-not used
MTPASA	VARCHAR2(1)		Flag to indicate if the constraint RHS is to be used for MT PASA, 1-used, 0-not used
IMPACT	VARCHAR2(64)		The device(s) that is affected by the constraint e.g. Interconnector, Generator(s) or Cutset
SOURCE	VARCHAR2(128)		The source of the constraint formulation
LIMITTYPE	VARCHAR2(64)		The limit type of the constraint e.g. Transient Stability, Voltage Stability
REASON	VARCHAR2(256)		The contingency or reason for the constraint
MODIFICATIONS	VARCHAR2(256)		Details of the changes made to this version of the constraint
ADDITIONALNOTES	VARCHAR2(256)		Extra notes on the constraint
P5MIN_SCOPE_OVERRIDE	VARCHAR2(2)		Extra notes on the constraint: NULL = Dispatch RHS applied in 5MPD, PD = PreDispatch RHS applied in 5MPD
LRC	VARCHAR2(1)		Flag to indicate if PASA LRC run uses the constraint; 1-used, 0-not used
LOR	VARCHAR2(1)		Flag to indicate if PASA LOR run uses the constraint; 1-used, 0-not used
FORCE_SCADA	NUMBER(1,0)		Flags Constraints for which NEMDE must use "InitialMW" values instead of "WhatOfInitialMW" for Intervention Pricing runs
SYSTEMSECURITY	VARCHAR2(1)		Flags constraint is used in System Security Management (SSM) processes. 1-Used(in SSM only),0-not used
SSM_REGIONID	VARCHAR2(20)		Region constraint relates to, in the format <REGIONID>_xxxx where xxxx is descriptive text

SSM_GROUPID	VARCHAR2(40)		Related constraints processed together in optimiser.

14.5 Table: GENCONSET

14.5.1 GENCONSET

Name	GENCONSET
Comment	GENCONSET sets out generic constraint sets that are invoked and revoked, and may contain many generic constraints (GENCONDATA).

14.5.2 Description

GENCONSET is public data, and is available to all participants.

Source

GENCONSET updates as sets are updated by AEMO.

14.5.3 Notes

Name	Comment	Value
Visibility		Public

14.5.4 Primary Key Columns

Name
EFFECTIVEDATE
GENCONID
GENCONSETID
VERSIONNO

14.5.5 Index Columns

Name
LASTCHANGED

14.5.6 Content

Name	Data Type	Mandatory	Comment
GENCONSETID	VARCHAR2(20)	X	Unique ID for the Constraint Set
EFFECTIVEDATE	DATE	X	Date this record becomes effective
VERSIONNO	NUMBER(3,0)	X	Version no of the record for the given effective date
GENCONID	VARCHAR2(20)	X	Generic Contraint ID
GENCONEFFDATE	DATE		Since market start in 1998 these fields have not been used and any data that has been populated in the fields should be ignored
GENCONVERSIONNO	NUMBER(3,0)		Since market start in 1998 these fields have not been used and any data that has been populated in the fields should be ignored
LASTCHANGED	DATE		Last date and time record changed

14.6 Table: GENCONSETINVOKE

14.6.1 GENCONSETINVOKE

Name GENCONSETINVOKE

Comment GENCONSETINVOKE provides details of invoked and revoked generic constraints. GENCONSETINVOKE is the key table for determining what constraints are active in dispatch, predispatch and PASA.

GENCONSETINVOKE also indicates whether constraints are for interconnector limits, ancillary services, etc.

14.6.2 Description

GENCONSETINVOKE is public data. All participants have access to this data.

Source

GENCONSETINVOKE updates each time a generic constraint is invoked or revoke time is altered. Once past the time, these times cannot be altered.

Note

The Replica software does not handle the deletion of GENCONSETINVOKE records. To workaround this problem, the field STARTAUTHORISEDBY indicates whether a constraint set invocation is applicable. A non-null value for the STARTAUTHORISEDBY field indicates that the constraint invocation is active. Essentially inactive invocations have a null value for the STARTAUTHORISEDBY field. To remove inactive invocations from queries on the GENCONSETINVOKE table, add the following text to the where clause "and STARTAUTHORISEDBY is not null".

14.6.3 Notes

Name	Comment	Value
Visibility		Public

14.6.4 Primary Key Columns

Name
INVOCATION_ID

14.6.5 Index Columns

Name
LASTCHANGED

14.6.6 Content

Name	Data Type	Mandatory	Comment
INVOCATION_ID	NUMBER(9)	X	Abstract unique identifier for the record. Allows Invocations to be modified without affecting PK values
STARTDATE	DATE	X	Market date of start
STARTPERIOD	NUMBER(3,0)	X	The first dispatch interval of the invocation being the dispatch interval number starting from1 at 04:05.
GENCONSETID	VARCHAR2(20)	X	Unique generic constraint set identifier
ENDDATE	DATE		Market date end
ENDPERIOD	NUMBER(3,0)		Dispatch interval number end

STARTAUTHORISEDBY	VARCHAR2(15)		User authorising invoke, indicating a constraint set invocation is applicable (i.e. non-null). A null value indicates inactive invocation.
ENDAUTHORISEDBY	VARCHAR2(15)		user authorising revoke.
INTERVENTION	VARCHAR2(1)		0 is not intervention, 1 is intervention and causes dispatch to solve twice.
ASCONSTRAINTTYPE	VARCHAR2(10)		Constraint type (e.g. ancillary services). This also flags where a constraint is an interconnector or intra-region network limit.
LASTCHANGED	DATE		Last date and time record changed
STARTINTERVALDATETIME	DATE		The settlement date and time corresponding to the first interval to which the constraint set is to be applied.
ENDINTERVALDATETIME	DATE		The settlement date and time corresponding to the last interval to which the constraint set is to be applied.
SYSTEMNORMAL	VARCHAR2(1)		Flag to indicate if the constraint set is a system normal (1) or an outage set (0)

14.7 Table: GENCONSETTRK

14.7.1 GENCONSETTRK

Name	GENCONSETTRK
Comment	GENCONSETTRK assists in determining the correct version of a generic constraint set that has been invoked in GENCONSETINVOKE.

14.7.2 Description

GENCONSETTRK data is public to all participants.

Source

Ad hoc updates occur to GENCONSETTRK.

14.7.3 Notes

Name	Comment	Value

Visibility	Public

14.7.4 Primary Key Columns

Name

EFFECTIVEDATE

GENCONSETID

VERSIONNO

14.7.5 Index Columns

Name

LASTCHANGED

14.7.6 Content

Name	Data Type	Mandatory	Comment
GENCONSETID	VARCHAR2(20)	X	Unique ID for the Constraint Set
EFFECTIVEDATE	DATE	X	Date this record becomes effective
VERSIONNO	NUMBER(3,0)	X	Version no of the record for the given effective date
DESCRIPTION	VARCHAR2(256)		Description of the constraint
AUTHORISEDBY	VARCHAR2(15)		The person who authorised the constraint set
AUTHORISEDDATE	DATE		The date and time of authorising the constraint set
LASTCHANGED	DATE		Last date and time record changed
COVERAGE	VARCHAR2(64)		The region the constraint set is located in or a special grouping (e.g. CHIMERA)
MODIFICATIONS	VARCHAR2(256)		Details of the changes made to this version of the constraint set
SYSTEMNORMAL	VARCHAR2(1)		Not used as of 2005 End of Year Release [was

			Flag to indicate if the constraint set is a system normal (1) or and an outage set (0)]
OUTAGE	VARCHAR2(256)		Detail of the plant that is not in service

14.8 Table: GENERICCONSTRAINTRHS

14.8.1 GENERICCONSTRAINTRHS

Name	GENERICCONSTRAINTRHS
Comment	GENERICCONSTRAINTRHS sets out details of generic constraint Right Hand Side (RHS) formulations for dispatch (DS), predispatch (PD) and Short Term PASA (ST). GENERICCONSTRAINTRHS also includes general expressions (EQ) used in the dispatch, predispatch and PASA time frames. GENERICCONSTRAINTRHS replaces data previously available via the "Constraint Library" Excel spreadsheet.

14.8.2 Description

GENERICCONSTRAINTRHS is public data, and is available to all participants.

Source

GENERICCONSTRAINTRHS updates whenever a new generic constraint RHS or expression is created or modified

Volume

Approximately 70,000 records per year

Note

GENERICEQUATIONRHS and GENERICEQUATIONDESC allow commonly used constraint right hand side formulations to be defined as a generic equation. Once defined, the generic equation can be referenced from any Generic constraint RHS formulation defined in GENERICCONSTRAINTRHS.

14.8.3 Notes

Name	Comment	Value
Visibility		Public

14.8.4 Primary Key Columns

Name
EFFECTIVEDATE

GENCONID

SCOPE

TERMID

VERSIONNO

14.8.5 Index Columns

Name

LASTCHANGED

14.8.6 Content

Name	Data Type	Mandatory	Comment
GENCONID	VARCHAR2(20)	X	Generic Constraint Identifier
EFFECTIVEDATE	DATE	X	Effective date of this record
VERSIONNO	NUMBER(22,0)	X	Version no of this record for the effective date
SCOPE	VARCHAR2(2)	X	Scope of RHS term (DS, PD, ST or EQ)
TERMID	NUMBER(4,0)	X	The unique identifier for the a constraint RHS term
GROUPID	NUMBER(3,0)		ID of super-term, if this is a sub-term
SPD_ID	VARCHAR2(21)		ID defining data source
SPD_TYPE	VARCHAR2(1)		ID describing type of data source
FACTOR	NUMBER(16,6)		Multiplier applied to operator result
OPERATION	VARCHAR2(10)		Unitary operator to apply to data value
DEFAULTVALUE	NUMBER(16,6)		Default value if primary source given by SPD_ID and SPD_TYPE not available.
PARAMETERTERM1	VARCHAR2(12)		The unique identifier for the first term (logic expression) to use in a Branch term
PARAMETERTERM2	VARCHAR2(12)		The unique identifier for the second term (logic<=0 result) to use in a Branch term

PARAMETERTERM3	VARCHAR2(12)		The unique identifier for the third term (logic>0 result) to use in a Branch term
LASTCHANGED	DATE		Last date and time record changed

14.9 Table: GENERICEQUATIONDESC

14.9.1 GENERICEQUATIONDESC

Name	GENERICEQUATIONDESC
Comment	GENERICEQUATIONDESC defines a generic equation identifier with a description. The formulation of the generic equation is detailed in GENERICEQUATIONRHS.

14.9.2 Description

GENERICEQUATIONDESC data is public to all participants.

Source

GENERICEQUATIONDESC updates when new a generic equation is created for the first time.

Volume

Approximately 100 records per year

Note

GENERICEQUATIONRHS and GENERICEQUATIONDESC allow commonly used constraint right hand side formulations to be defined as a generic equation. Once defined, the generic equation can be referenced from any Generic constraint RHS formulation defined in GENERICCONSTRAINTRHS.

14.9.3 Notes

Name	Comment	Value
Visibility		Public

14.9.4 Primary Key Columns

Name
EQUATIONID

14.9.5 Index Columns

Name

LASTCHANGED

14.9.6 Content

Name	Data Type	Mandatory	Comment
EQUATIONID	VARCHAR2(20)	X	Generic Equation Identifier
DESCRIPTION	VARCHAR2(256)		Generic Equation Description
LASTCHANGED	DATE		Last date and time record changed
IMPACT	VARCHAR2(64)		The device(s) affected by the constraint (e.g. Interconnector, Generator(s) or Cutset)
SOURCE	VARCHAR2(128)		The source of the constraint formulation
LIMITTYPE	VARCHAR2(64)		The limit type of the constraint e.g. Transient Stability, Voltage Stability
REASON	VARCHAR2(256)		The contingency or reason for the constraint
MODIFICATIONS	VARCHAR2(256)		Details of the changes made to this version of the generic equation RHS
ADDITIONALNOTES	VARCHAR2(256)		Extra notes on the constraint

14.10 Table: GENERICEQUATIONRHS

14.10.1 GENERICEQUATIONRHS

Name GENERICEQUATIONRHS

Comment GENERICEQUATIONRHS stores the formulation of commonly used Generic Constraint Right Hand Side Equations referenced from Generic Constraint Right Hand Side definitions stored in GENERICCONSTRAINTRHS. The Generic Equation definitions are versioned and the latest effective version is applied to the dispatch process.

14.10.2 Description

GENERICEQUATIONRHS data is public to all participants.

Source

GENERICEQUATIONRHS updates whenever a generic equation is created or modified.

Volume

Approximately 1,000 records per year

Note

GENERICEQUATIONRHS and GENERICEQUATIONDESC allow commonly used constraint right hand side formulations to be defined as a generic equation. Once defined, the generic equation can be referenced from any Generic constraint RHS formulation defined in GENERICCONSTRAINTRHS.

To reference a generic equation from a generic constraint RHS definition, specify a SPD_TYPE of 'X' and the SPD_ID equivalent to the EQUATIONID field in GENERICEQUATIONRHS.

14.10.3 Notes

Name	Comment	Value
Visibility		Public

14.10.4 Primary Key Columns

Name
EFFECTIVEDATE
EQUATIONID
TERMID
VERSIONNO

14.10.5 Index Columns

Name
LASTCHANGED

14.10.6 Content

Name	Data Type	Mandatory	Comment
EQUATIONID	VARCHAR2(20)	X	Generic Equation Identifier

EFFECTIVEDATE	DATE	X	Effective date of this record
VERSIONNO	NUMBER(3,0)	X	Version no of this record for the effective date
TERMID	NUMBER(3,0)	X	The unique identifier for the a equation RHS term
GROUPID	NUMBER(3,0)		ID of super-term, if this is a sub-term
SPD_ID	VARCHAR2(21)		ID defining data source
SPD_TYPE	VARCHAR2(1)		ID describing type of data source
FACTOR	NUMBER(16,6)		Multiplier applied to operator result
OPERATION	VARCHAR2(10)		Unitary operator to apply to data value
DEFAULTVALUE	NUMBER(16,6)		Default value if primary source given by SPD_ID and SPD_TYPE not available.
PARAMETERTERM1	VARCHAR2(12)		The unique identifier for the first term (logic expression) to use in a Branch term
PARAMETERTERM2	VARCHAR2(12)		The unique identifier for the second term (logic<=0 result) to use in a Branch term
PARAMETERTERM3	VARCHAR2(12)		The unique identifier for the third term (logic>0 result) to use in a Branch term
LASTCHANGED	DATE		Last date and time record changed

14.11 Table: PASA_CONTINGENCY_DEFINITION

14.11.1 PASA_CONTINGENCY_DEFINITION

Name PASA_CONTINGENCY_DEFINITION

Comment PASA_CONTINGENCY_DEFINITION shows the contingency details used by PD and ST PASA.

14.11.2 Notes

Name	Comment	Value
Visibility		Public

14.11.3 Primary Key Columns

Name

CONTINGENCYID

EFFECTIVEDATE

VERSIONNO

14.11.4 Content

Name	Data Type	Mandatory	Comment
CONTINGENCYID	VARCHAR2(20)	X	The contingency identifier
EFFECTIVEDATE	DATE	X	The effective date for this contingency
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
CONTINGENCYDESCRIPTION	VARCHAR2(100)		The description for this contingency
LASTCHANGED	DATE		Date time this record was created

14.12 Table: SPDCONNECTIONPOINTCONSTRAINT

14.12.1 SPDCONNECTIONPOINTCONSTRAINT

Name	SPDCONNECTIONPOINTCONSTRAINT
Comment	SPDCONNECTIONPOINTCONSTRAINT sets out details of connections point constraints issued in dispatch, predispatch and STPASA.

14.12.2 Description

The addition of the BIDTYPE field to SPDCONNECTIONPOINTCONSTRAINT allows constraints to be applied to a dispatchable unit energy and/or Frequency Controlled Ancillary Services dispatch.

SPDCONNECTIONPOINTCONSTRAINTdata is public, so is available to all participants.

Source

SPDCONNECTIONPOINTCONSTRAINT updates whenever new connection point constraints are created.

14.12.3 Notes

Name	Comment	Value
Visibility		Public

14.12.4 Primary Key Columns

Name

BIDTYPE

CONNECTIONPOINTID

EFFECTIVEDATE

GENCONID

VERSIONNO

14.12.5 Index Columns

Name

LASTCHANGED

14.12.6 Content

Name	Data Type	Mandatory	Comment
CONNECTIONPOINTID	VARCHAR2(12)	X	Connection Point Identifier
EFFECTIVEDATE	DATE	X	Effective date of this record
VERSIONNO	NUMBER(3,0)	X	Version no of this record for the effective date
GENCONID	VARCHAR2(20)	X	Generic Constraint Identifier
FACTOR	NUMBER(16,6)		Constraint factor
LASTCHANGED	DATE		Last date and time record changed
BIDTYPE	VARCHAR2(12)	X	Bid Type Identifier; one of (RAISE6SEC, RAISE60SEC, RAISE5MIN, LOWER6SEC, LOWER60SEC, LOWER5MIN, RAISEREG,

			LOWERREG)

14.13 Table: SPDINTERCONNECTORCONSTRAINT

14.13.1 SPDINTERCONNECTORCONSTRAINT

Name	SPDINTERCONNECTORCONSTRAINT
Comment	SPDINTERCONNECTORCONSTRAINT contains details on the interconnector constraint factors used in dispatch, predispatch and STPASA. The details set a LHS value.

14.13.2 Description

SPDINTERCONNECTORCONSTRAINT is public data, and is available to all participants.

Source

SPDINTERCONNECTORCONSTRAINT updates whenever new connection point constraints are created.

14.13.3 Notes

Name	Comment	Value
Visibility		Public

14.13.4 Primary Key Columns

Name
EFFECTIVEDATE
GENCONID
INTERCONNECTORID
VERSIONNO

14.13.5 Index Columns

Name
LASTCHANGED

14.13.6 Content

Name	Data Type	Mandatory	Comment
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
EFFECTIVEDATE	DATE	X	Effective date of this record
VERSIONNO	NUMBER(3,0)	X	Version no of this record for the effective date
GENCONID	VARCHAR2(20)	X	Generic Constraint Identifier
FACTOR	NUMBER(16,6)		Constraint factor
LASTCHANGED	DATE		Last date and time record changed

14.14 Table: SPDREGIONCONSTRAINT

14.14.1 SPDREGIONCONSTRAINT

Name	SPDREGIONCONSTRAINT
Comment	SPDREGIONCONSTRAINT contains details on region demand constraint factors used in dispatch. SPDREGIONCONSTRAINTsets a LHS value.

14.14.2 Description

SPDREGIONCONSTRAINT is public data, and is available to all participants.

Source

SPDREGIONCONSTRAINT is updated whenever AEMO creates new regional constraints.

14.14.3 Notes

Name	Comment	Value
Visibility		Public

14.14.4 Primary Key Columns

Name
BIDTYPE

EFFECTIVEDATE

GENCONID

REGIONID

VERSIONNO

14.14.5 Index Columns

Name

LASTCHANGED

14.14.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Region Identifier
EFFECTIVEDATE	DATE	X	Effective date of this record
VERSIONNO	NUMBER(3,0)	X	Version no of this record for the effective date
GENCONID	VARCHAR2(20)	X	Generic Constraint Identifier
FACTOR	NUMBER(16,6)		Constraint factor; one of (-1, 1)
LASTCHANGED	DATE		Last date and time record changed
BIDTYPE	VARCHAR2(10)	X	AS Service type - relates to the BidType table; one of (RAISE6SEC, RAISE60SEC, RAISE5MIN, LOWER6SEC, LOWER60SEC, LOWER5MIN, RAISEREG, LOWERREG)

15 Package: IRAUCTION

Name IRAUCTION

Comment Inter-regional Residue Auction data

15.1 List of tables

Name	Comment	Visibility
AUCTION	AUCTION holds auction details. AUCTION is new in March 2003 to support SRA Inter-Temporal Linking.	Public
AUCTION_CALENDAR	AUCTION_CALENDAR holds the definitions of each auction quarter in a contract year. AUCTION_CALENDAR supports the Settlement Residue Auction.	Public
AUCTION_IC_ALLOCATIONS	AUCTION_IC_ALLOCATIONS supports the Settlement Residue Auction by providing the basis for setting up contracts for individual tranches. AUCTION_IC_ALLOCATIONS shows the default definitions for the total number of units and proportion applicable to each directional interconnector for a specified auction quarter.	Public
AUCTION_REVENUE_ESTIMATE	AUCTION_REVENUE_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue for each month of a given quarter. Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system.	Public
AUCTION_REVENUE_TRACK	AUCTION_REVENUE_TRACK supports the Settlement Residue Auction, by holding the tracking information for each evaluator's estimates for a given quarter. The status field is dynamic and is used for selection of estimates to be published.	Public
AUCTION_RP_ESTIMATE	AUCTION_RP_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue prices for a given quarter. Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system.	Public

AUCTION_TRANCHE	AUCTION_TRANCHE supports the Settlement Residue Auction, by holding the default definitions for the percentage number of units allocated and dates applicable to each tranche for a specified auction quarter. This information provides the basis for setting up contracts for individual tranches.	Public
RESIDUE_BID_TRK	RESIDUE_BID_TRK supports the Settlement Residue Auction, by detailing which bid was used for which SRA Contract run.	Private
RESIDUE_CON_DATA	RESIDUE_CON_DATA supports the Settlement Residue Auction, by holding for each participant the confidential data from the auction. RESIDUE_CON_DATA joins to RESIDUE_PUBLIC_DATA and RESIDUE_TRK.	Private
RESIDUE_CON_ESTIMATES_TRK	RESIDUE_CON_ESTIMATES_TRK supports the Settlement Residue Auction, by holding the tracking details of the estimates used to generate the reserve price for each contract.	Public
RESIDUE_CON_FUNDS	RESIDUE_CON_FUNDS supports the Settlement Residue Auction, by holding the fund details for each contract.	Public
RESIDUE_CONTRACTS	RESIDUE_CONTRACTS supports the Settlement Residue Auction, by holding the contract details for each period for which a residue contract will be offered.	Public
RESIDUE_FUNDS_BID	RESIDUE_FUNDS_BID supports the Settlement Residue Auction, by showing the fund details for each SRA bid by each Participant.	Private
RESIDUE_PRICE_BID	RESIDUE_PRICE_BID supports the Settlement Residue Auction, holding the unit and bid price details for each participant.	Private
RESIDUE_PRICE_FUNDS_BID	RESIDUE_PRICE_FUNDS_BIDshows the bids producing the auction outcome, without exposing participant-specific details. RESIDUE_PRICE_FUNDS_BID is new in March 2003 to support SRA Inter-Temporal Linking.	Public
RESIDUE_PUBLIC_DATA	RESIDUE_PUBLIC_DATA shows the public auction results. RESIDUE_PUBLIC_DATA supports the Settlement Residue Auction, by holding the public details of the auction for a given contract. RESIDUE_PUBLIC_DATA joins to RESIDUE_CON_DATA and RESIDUE.	Public

RESIDUE_TRK	RESIDUE_TRK supports the Settlement Residue Auction, by showing the tracking records for different residue auction runs. RESIDUE_TRK joins to RESIDUE_PUBLIC_DATA and RESIDUE_CON_DATA.	Public
RESIDUECONTRACTPAYMENTS	RESIDUECONTRACTPAYMENTS shows Settlement Residue Auction payment Participant notifications.	Private
RESIDUEFILETRK	RESIDUEFILETRK records all Settlement Residue Auction offers submitted by participants.	Private
SRA_CASH_SECURITY	Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market	Private
SRA_FINANCIAL_AUC_MARDETAIL	This table stores details of the margins returned to the participants.	Private
SRA_FINANCIAL_AUC_MARGIN	Records the amount of Cash Security required to be held by an Auction Participant after settlement	Private
SRA_FINANCIAL_AUC_RECEIPTS	Records details of the Cancelled Units and their value for the Auction Participant	Private
SRA_FINANCIAL_AUCPAY_DETAIL	Records details of the SRA financial auction payment	Private
SRA_FINANCIAL_AUCPAY_SUM	Records a summary of the Auction payment amount	Private
SRA_FINANCIAL_RUNTRK	Records details of the settlement process for the cancellation and purchase of SRA Auction Units	Public
SRA_OFFER_PRODUCT	Holds the Product details for each Offer File submitted by each SRA Auction Participant.	Private
SRA_OFFER_PROFILE	Holds the data of an SRA Auction Participant Offer Submission.	Private
SRA_PRUDENTIAL_CASH_SECURITY	Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market	Private
SRA_PRUDENTIAL_COMP_POSITION	The prudential position of each company at the date and time of a specific prudential run	Private
SRA_PRUDENTIAL_EXPOSURE	Records details of the Prudential Exposure of an SRA Auction Participant	Private
SRA_PRUDENTIAL_RUN	Records the prudential run details for each prudential date	Public
VALUATIONID	VALUATIONID shows the identifiers and descriptions of the valuers submitting estimates of upcoming	Public

	settlement residues. VALUATIONID supports the Settlement Residue Auction.	

15.2 Diagram: Entities: IRAuction



15.3 Table: AUCTION

15.3.1 AUCTION

Name	AUCTION
Comment	AUCTION holds auction details. AUCTION is new in March 2003 to support SRA Inter-Temporal Linking.

15.3.2 Description

AUCTION is public data, and is available to all participants.

Source

Static.

Volume

4 records per year

15.3.3 Notes

Name	Comment	Value
Visibility		Public

15.3.4 Primary Key Columns

Name
AUCTIONID

15.3.5 Index Columns

Name
LASTCHANGED

15.3.6 Content

Name	Data Type	Mandatory	Comment

AUCTIONID	VARCHAR2(30)	X	Unique id for each auction date
AUCTIONDATE	DATE		Auction date
NOTIFYDATE	DATE		
STARTDATE	DATE		Open date for bidding
ENDDATE	DATE		Close date for bidding
DESCRIPTION	VARCHAR2(100)		Description of an auction
AUTHORISEDDATE	DATE		
AUTHORISEDBY	VARCHAR2(30)		
LASTCHANGED	DATE		

15.4 Table: AUCTION_CALENDAR

15.4.1 AUCTION_CALENDAR

Name	AUCTION_CALENDAR
Comment	AUCTION_CALENDAR holds the definitions of each auction quarter in a contract year. AUCTION_CALENDAR supports the Settlement Residue Auction.

15.4.2 Description

AUCTION_CALENDAR is public data, and is available to all participants.

Source

Updates are usually quarterly by the SRA team.

Volume

AUCTION_CALENDAR shows a maximum of 16 records per year.

15.4.3 Notes

Name	Comment	Value
Visibility		Public

15.4.4 Primary Key Columns

Name

CONTRACTYEAR

QUARTER

15.4.5 Index Columns

Name

LASTCHANGED

15.4.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
STARTDATE	DATE		First day of SRA Contract Quarter expressed as Date
ENDDATE	DATE		Last day of SRA Contract Quarter expressed as Date
NOTIFYDATE	DATE		Default notification date
PAYMENTDATE	DATE		Date for payment by Participant
RECONCILIATIONDATE	DATE		Date of reconciliation for the quarter
LASTCHANGED	DATE		Last date and time record changed
PRELIMPURCHASESTMTDATE	DATE		The date the Prelim Purchase Statement is generated
PRELIMPROCEEDSSTMTDATE	DATE		The date the Prelim Proceeds Statement is generated
FINALPURCHASESTMTDATE	DATE		The date the Final Purchase Statement is generated
FINALPROCEEDSSTMTDATE	DATE		The date the Final Proceeds Statement is generated

15.5 Table: AUCTION_IC_ALLOCATIONS

15.5.1 AUCTION_IC_ALLOCATIONS

Name	AUCTION_IC_ALLOCATIONS
Comment	AUCTION_IC_ALLOCATIONS supports the Settlement Residue Auction by providing the basis for setting up contracts for individual tranches. AUCTION_IC_ALLOCATIONS shows the default definitions for the total number of units and proportion applicable to each directional interconnector for a specified auction quarter.

15.5.2 Description

AUCTION_IC_ALLOCATIONS is public data, and is available to all participants.

Source

Updates are usually quarterly as auctions are held from Settlement Residue Auction team's SRIS interface.

Volume

AUCTION_IC_ALLOCATIONS contains a maximum of 100 records per year.

15.5.3 Notes

Name	Comment	Value
Visibility		Public

15.5.4 Primary Key Columns

Name
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
QUARTER
VERSIONNO

15.5.5 Index Columns

Name

LASTCHANGED

15.5.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector Identifier
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
MAXIMUMUNITS	NUMBER(5,0)		Number of units on the interconnector
PROPORTION	NUMBER(8,5)		Percentage of the total residue for each Unit
AUCTIONFEE	NUMBER(17,5)		Daily auction fee
CHANGEDATE	DATE		Authorisation date
CHANGEDBY	VARCHAR2(15)		Name of person authorising this data set
LASTCHANGED	DATE		Last date and time record changed
AUCTIONFEE_SALES	Number(18,8)		Fees for Cancelled Units.

15.6 Table: AUCTION_REVENUE_ESTIMATE

15.6.1 AUCTION_REVENUE_ESTIMATE

Name AUCTION_REVENUE_ESTIMATE

Comment AUCTION_REVENUE_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue for each month of a given quarter.

Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system.

15.6.2 Description

AUCTION_REVENUE_ESTIMATE is public data, and is available to all participants.

Source

Updates are quarterly from SRA team via SRIS interface

Volume

AUCTION_REVENUE_ESTIMATE contains a maximum of 300 records per year.

15.6.3 Notes

Name	Comment	Value
Visibility		Public

15.6.4 Primary Key Columns

Name
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
MONTHNO
QUARTER
VALUATIONID
VERSIONNO

15.6.5 Index Columns

Name
LASTCHANGED

15.6.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
VALUATIONID	VARCHAR2(15)	X	Identifier of the estimator
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
MONTHNO	NUMBER(1,0)	X	Month number within quarter (1..3)
STARTDATE	DATE		First day of month as date
ENDDATE	DATE		Last day of month as date
REVENUE	NUMBER(17,5)		Estimated Revenue
LASTCHANGED	DATE		Last date and time record changed

15.7 Table: AUCTION_REVENUE_TRACK

15.7.1 AUCTION_REVENUE_TRACK

Name	AUCTION_REVENUE_TRACK
Comment	AUCTION_REVENUE_TRACK supports the Settlement Residue Auction, by holding the tracking information for each evaluator's estimates for a given quarter. The status field is dynamic and is used for selection of estimates to be published.

15.7.2 Description

AUCTION_REVENUE_TRACK is public data, and is available to all participants.

Source

Updates are quarterly after SRA team updates SRIS interface.

Volume

AUCTION_REVENUE_TRACK contains a maximum of 100 records per year.

15.7.3 Notes

Name	Comment	Value
Visibility		Public

15.7.4 Primary Key Columns

Name
CONTRACTYEAR
QUARTER
VALUATIONID
VERSIONNO

15.7.5 Index Columns

Name
LASTCHANGED

15.7.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
VALUATIONID	VARCHAR2(15)	X	Identifier of the estimator
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
EFFECTIVEDATE	DATE		Date from which the record change is applicable
STATUS	VARCHAR2(10)		Internal use
DOCUMENTREF	VARCHAR2(30)		Reference to methodology document

AUTHORISEDDATE	DATE		Date of authorisation for this record
AUTHORISEDBY	VARCHAR2(15)		Name of person authorising this record
LASTCHANGED	DATE		Date and time this record was last changed

15.8 Table: AUCTION_RP_ESTIMATE

15.8.1 AUCTION_RP_ESTIMATE

Name	AUCTION_RP_ESTIMATE
Comment	AUCTION_RP_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue prices for a given quarter. Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system.

15.8.2 Description

AUCTION_RP_ESTIMATE is public data, and is available to all participants.

Source

Updates are quarterly by SRA team via SRIS interface.

Volume

This view contains a maximum of 100 records per year.

15.8.3 Notes

Name	Comment	Value
Visibility		Public

15.8.4 Primary Key Columns

Name
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID

QUARTER

VALUATIONID

VERSIONNO

15.8.5 Index Columns

Name

LASTCHANGED

15.8.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
VALUATIONID	VARCHAR2(15)	X	Identifier of the estimator
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
RPESTIMATE	NUMBER(17,5)		Estimate of reserve price
LASTCHANGED	DATE		Last date and time record was changed

15.9 Table: AUCTION_TRANCHE

15.9.1 AUCTION_TRANCHE

Name AUCTION_TRANCHE

Comment AUCTION_TRANCHE supports the Settlement Residue Auction, by holding the default definitions for the percentage number of units allocated and dates applicable to each tranche for a specified auction quarter. This information provides the basis for setting up contracts for individual tranches.

15.9.2 Description

AUCTION_TRANCHE is public data, and is available to all participants.

Source

Updates are quarterly from SRA team via SRIS interface.

Volume

AUCTION_TRANCHE contains a maximum of 100 records per year.

15.9.3 Notes

Name	Comment	Value
Visibility		Public

15.9.4 Primary Key Columns

Name
CONTRACTYEAR
QUARTER
TRANCHE
VERSIONNO

15.9.5 Index Columns

Name
LASTCHANGED

15.9.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher

			version for same key data will take precedence
TRANCHE	NUMBER(2,0)	X	Label identifying the arbitrary segmented share of the Interconnector flow
AUCTIONDATE	DATE		Default date of the auction
NOTIFYDATE	DATE		Default date participants notified of details
UNITALLOCATION	NUMBER(18,8)		Percentage of units allocated to the tranche
CHANGEDATE	DATE		Date of changing this record
CHANGEDBY	VARCHAR2(15)		Name of person who changed this record
LASTCHANGED	DATE		Date and time record was last changed

15.10 Table: RESIDUE_BID_TRK

15.10.1 RESIDUE_BID_TRK

Name	RESIDUE_BID_TRK
Comment	RESIDUE_BID_TRK supports the Settlement Residue Auction, by detailing which bid was used for which SRA Contract run.

15.10.2 Description

Source

RESIDUE_BID_TRK updates are usually quarterly from participants before an Auction.

RESIDUE_BID_TRK data is confidential to the relevant participant.

RESIDUE_BID_TRK excludes contracts and versions without a valid publication date (i.e invalid bids are ignored).

Volume

Assuming monthly contracts, RESIDUE_BID_TRK shows a maximum of 500 records per year.

15.10.3 Notes

Name	Comment	Value
Visibility		Private

15.10.4 Primary Key Columns

Name

AUCTIONID

PARTICIPANTID

VERSIONNO

15.10.5 Index Columns

Name

LASTCHANGED

15.10.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)		SRA Contract unique identifier
VERSIONNO	NUMBER(3,0)	X	Version of Bid used
PARTICIPANTID	VARCHAR2(10)	X	Identifier of participant
BIDLOADDATE	DATE		Date and time bid used
LASTCHANGED	DATE		Date and time this record was last changed
AUCTIONID	VARCHAR2(30)	X	Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking)

15.11 Table: RESIDUE_CON_DATA

15.11.1 RESIDUE_CON_DATA

Name RESIDUE_CON_DATA

Comment RESIDUE_CON_DATA supports the Settlement Residue Auction, by holding for each participant the confidential data from the auction. RESIDUE_CON_DATA joins to RESIDUE_PUBLIC_DATA and RESIDUE_TRK.

15.11.2 Description

Source

RESIDUE_CON_DATA refreshes whenever a Settlement Residue Auction is run (i.e. quarterly).

RESIDUE_CON_DATA data is confidential to the relevant participant.

RESIDUE_CON_DATA excludes contracts and versions without a valid publication date (i.e invalid bids are ignored).

Volume

RESIDUE_CON_DATA shows a maximum of 6000 records per year.

15.11.3 Notes

Name	Comment	Value
Visibility		Private

15.11.4 Primary Key Columns

Name
CONTRACTID
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
VERSIONNO

15.11.5 Index Columns

Name
LASTCHANGED

15.11.6 Content

Name	Data Type	Mandatory	Comment

CONTRACTID	VARCHAR2(30)	X	SRA Contract unique identifier
VERSIONNO	NUMBER(3,0)	X	Contract run version
PARTICIPANTID	VARCHAR2(10)	X	Identifier of Contracted Participant
INTERCONNECTORID	VARCHAR2(10)	X	Identifier of Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
UNITSPURCHASED	NUMBER(17,5)		Units purchased on the directional interconnector (i.e. Contracted quantity)
LINKPAYMENT	NUMBER(17,5)		Payment due (i.e. total purchase price)
LASTCHANGED	DATE		Last date and time record changed
SECONDARY_UNITS_SOLD	Number(18,8)		The number of cancelled Units for all Auction Participants.

15.12 Table: RESIDUE_CON_ESTIMATES_TRK

15.12.1 RESIDUE_CON_ESTIMATES_TRK

Name	RESIDUE_CON_ESTIMATES_TRK
Comment	RESIDUE_CON_ESTIMATES_TRK supports the Settlement Residue Auction, by holding the tracking details of the estimates used to generate the reserve price for each contract.

15.12.2 Description

Source

RESIDUE_CON_ESTIMATES_TRK updates are quarterly by SRA team.

Volume

Assuming monthly contracts, RESIDUE_CON_ESTIMATES_TRK shows a maximum of 50 records per year.

15.12.3 Notes

Name	Comment	Value
Visibility		Public

15.12.4 Primary Key Columns

Name

CONTRACTID

CONTRACTYEAR

QUARTER

VALUATIONID

15.12.5 Index Columns

Name

LASTCHANGED

15.12.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)	X	SRA Contract unique identifier
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
QUARTER	NUMBER(1,0)	X	Contract Quarter
VALUATIONID	VARCHAR2(15)	X	Identifier of the estimator
VERSIONNO	NUMBER(3,0)		Version of a record, as nominated by the participant
LASTCHANGED	DATE		Date and time this record was changed

15.13 Table: RESIDUE_CON_FUNDS

15.13.1 RESIDUE_CON_FUNDS

Name RESIDUE_CON_FUNDS

Comment RESIDUE_CON_FUNDS supports the Settlement Residue Auction, by holding the fund details for each contract.

15.13.2 Description

RESIDUE_CON_FUNDS data is public, so is available to all participants.

Source

RESIDUE_CON_FUNDS updates are quarterly from SRA team via SRIS interface.

Volume

Assuming quarterly contracts, RESIDUE_CON_FUNDS contains a maximum of 600 records per year.

15.13.3 Notes

Name	Comment	Value
Visibility		Public

15.13.4 Primary Key Columns

Name
CONTRACTID
FROMREGIONID
INTERCONNECTORID

15.13.5 Index Columns

Name
LASTCHANGED

15.13.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)	X	SRA Contract unique identifier as specified by AEMO
INTERCONNECTORID	VARCHAR2(10)	X	Identifier for the Contracted Interconnector

FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
DEFAULTUNITS	NUMBER(5,0)		Actual number of units allocated based on the auction default percentage for the tranche and the total number of units to be auctioned for this quarter
ROLLOVERUNITS	NUMBER(5,0)		Units reallocated from the previous tranche of this quarter
REALLOCATEDUNITS	NUMBER(5,0)		Units reallocated from the previous tranche of this quarter because they were not taken up by the participant
UNITSOFFERED	NUMBER(5,0)		Total units offered for Contract
MEANRESERVEPRICE	NUMBER(9,2)		Average reserve price calculated from the selected estimates
SCALEFACTOR	NUMBER(8,5)		Scaling factor for regional Frequency control Ancillary Service requirement
ACTUALRESERVEPRICE	NUMBER(9,2)		Actual reserve price
LASTCHANGED	DATE		Last date and time record changed

15.14 Table: RESIDUE_CONTRACTS

15.14.1 RESIDUE_CONTRACTS

Name RESIDUE_CONTRACTS

Comment RESIDUE_CONTRACTS supports the Settlement Residue Auction, by holding the contract details for each period for which a residue contract will be offered.

15.14.2 Description

RESIDUE_CONTRACTS data is public, so is available to all participants.

Source

RESIDUE_CONTRACTS updates are quarterly by AEMO.

Volume

Assuming quarterly contracts, RESIDUE_CONTRACTS contains a maximum of 50 records per year.

15.14.3 Notes

Name	Comment	Value
Visibility		Public

15.14.4 Primary Key Columns

Name
CONTRACTYEAR
QUARTER
TRANCHE

15.14.5 Index Columns

Name
LASTCHANGED

15.14.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	SRA Contracted Year
QUARTER	NUMBER(1,0)	X	SRA Contracted Quarter
TRANCHE	NUMBER(2,0)	X	Label identifying the arbitrary segmented share of the Interconnector flow
CONTRACTID	VARCHAR2(30)		Unique identifier for each SRA Contract as specified by AEMO
STARTDATE	DATE		SRA Quarter start date
ENDDATE	DATE		SRA Quarter end date
NOTIFYDATE	DATE		Open date of bidding, calculated as RNOTIFYDATE business days before the auction date
AUCTIONDATE	DATE		Close date of bidding, calculated as RAUCDATE business days before the contract

			start date
CALCMETHOD	VARCHAR2(20)		Identifies methodology used
AUTHORISEDDATE	DATE		Authorisation date for this record
AUTHORISEDBY	VARCHAR2(15)		Name of authorising officer or process
NOTIFYPOSTDATE	DATE		Date notification posted
NOTIFYBY	VARCHAR2(15)		Name of notifying person
POSTDATE	DATE		Date of publishing the auction results
POSTEDBY	VARCHAR2(15)		Name of publishing officer or process
LASTCHANGED	DATE		Last date and time record changed
DESCRIPTION	VARCHAR2(80)		Description of Contract
AUCTIONID	VARCHAR2(30)		Unique id for each auction date (new in March 2003 to support SRA Inter-Temporal Linking)

15.15 Table: RESIDUE_FUNDS_BID

15.15.1 RESIDUE_FUNDS_BID

Name	RESIDUE_FUNDS_BID
Comment	RESIDUE_FUNDS_BID supports the Settlement Residue Auction, by showing the fund details for each SRA bid by each Participant.

15.15.2 Description

Source

Participant's bid file.

RESIDUE_FUNDS_BID data is confidential to the relevant participant. RESIDUE_FUNDS_BID shows a maximum of 30,000 records per year.

15.15.3 Notes

Name	Comment	Value
Visibility		Private

15.15.4 Primary Key Columns

Name

CONTRACTID

FROMREGIONID

INTERCONNECTORID

LOADDATE

OPTIONID

PARTICIPANTID

15.15.5 Index Columns

Name

LASTCHANGED

15.15.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)	X	SRA Contract identifier
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
LOADDATE	DATE	X	Date and time the batcher loaded the SRA offer
OPTIONID	NUMBER(3,0)	X	Unique option identifier (1..20)
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
UNITS	NUMBER(5,0)		Quantity of units bid for
LASTCHANGED	DATE		Last date and time record changed

15.16 Table: RESIDUE_PRICE_BID

15.16.1 RESIDUE_PRICE_BID

Name	RESIDUE_PRICE_BID
Comment	RESIDUE_PRICE_BID supports the Settlement Residue Auction, holding the unit and bid price details for each participant.

15.16.2 Description

Source

The participant's own bid file

RESIDUE_PRICE_BID data is confidential to the relevant participant.

The public version of the data is available to all auction participants post the associated auction date in RESIDUE_PRICE_FUNDS_BID.

Volume

RESIDUE_PRICE_BID shows a maximum of 10,000 records per year.

15.16.3 Notes

Name	Comment	Value
Visibility		Private

15.16.4 Primary Key Columns

Name
AUCTIONID
LOADDATE
OPTIONID
PARTICIPANTID

15.16.5 Index Columns

Name

LASTCHANGED

15.16.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)		Not to be used. Unique id for each SRA contract (specified by AEMO)
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
LOADDATE	DATE	X	Date and Time the batcher loaded the bid
OPTIONID	NUMBER(3,0)	X	Unique option (bid) identifier (1..800)
BIDPRICE	NUMBER(17,5)		Price offered for each unit
LASTCHANGED	DATE		Date and time this record was last changed
AUCTIONID	VARCHAR2(30)	X	Unique id for each auction date (new in March 2003 to support SRA Inter-Temporal Linking)

15.17 Table: RESIDUE_PRICE_FUNDS_BID

15.17.1 RESIDUE_PRICE_FUNDS_BID

Name RESIDUE_PRICE_FUNDS_BID

Comment RESIDUE_PRICE_FUNDS_BIDshows the bids producing the auction outcome, without exposing participant-specific details. RESIDUE_PRICE_FUNDS_BID is new in March 2003 to support SRA Inter-Temporal Linking.

15.17.2 Description

RESIDUE_PRICE_FUNDS_BID data is public. The data is available to all auction participants post the associated auction date.

Volume

The volume is very dependent on the number of active bids. An indication is about 250,000 per year.

15.17.3 Notes

Name	Comment	Value
Visibility		Public

15.17.4 Primary Key Columns

Name
AUCTIONID
CONTRACTID
FROMREGIONID
INTERCONNECTORID
LINKEDBIDFLAG

15.17.5 Index Columns

Name
LASTCHANGED

15.17.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)	X	Unique id for each contract specified by AEMO
INTERCONNECTORID	VARCHAR2(10)	X	Unique interconnector identifier
FROMREGIONID	VARCHAR2(10)	X	Unique region identifier
UNITS	NUMBER(5,0)		Quantity of units bid
BIDPRICE	NUMBER(17,5)		Price bid for each unit
LINKEDBIDFLAG	NUMBER(6,0)	X	A unique option id, with respect to the auction, created to show which bid elements are linked.
AUCTIONID	VARCHAR2(30)	X	Unique id for each auction date

LASTCHANGED	DATE		Date and time this record was last changed

15.18 Table: RESIDUE_PUBLIC_DATA

15.18.1 RESIDUE_PUBLIC_DATA

Name	RESIDUE_PUBLIC_DATA
Comment	RESIDUE_PUBLIC_DATA shows the public auction results. RESIDUE_PUBLIC_DATA supports the Settlement Residue Auction, by holding the public details of the auction for a given contract. RESIDUE_PUBLIC_DATA joins to RESIDUE_CON_DATA and RESIDUE.

15.18.2 Description

RESIDUE_PUBLIC_DATA excludes contracts and versions without a valid publication date (i.e. invalid bids are ignored).

The data is available to all auction participants post the associated auction date.

Source

RESIDUE_PUBLIC_DATA updates are quarterly from NEMMCO.

Volume

RESIDUE_PUBLIC_DATA shows a maximum of 120 records per year.

15.18.3 Notes

Name	Comment	Value
Visibility		Public

15.18.4 Primary Key Columns

Name
CONTRACTID
FROMREGIONID
INTERCONNECTORID
VERSIONNO

15.18.5 Index Columns

Name

LASTCHANGED

15.18.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)	X	Unique id for each contract to be specified by AEMO
VERSIONNO	NUMBER(3,0)	X	Version Number
INTERCONNECTORID	VARCHAR2(10)	X	Unique interconnector identifier
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
UNITSOFFERED	NUMBER(5,0)		Total units offered for auction
UNITSSOLD	NUMBER(16,6)		Units Sold (modified format and usage in March 2003 to support SRA Inter-Temporal Linking)
CLEARINGPRICE	NUMBER(17,5)		Clearing price
RESERVEPRICE	NUMBER(17,5)		Reserve price
LASTCHANGED	DATE		Date and time this record was last changed

15.19 Table: RESIDUE_TRK

15.19.1 RESIDUE_TRK

Name RESIDUE_TRK

Comment RESIDUE_TRK supports the Settlement Residue Auction, by showing the tracking records for different residue auction runs. RESIDUE_TRK joins to RESIDUE_PUBLIC_DATA and RESIDUE_CON_DATA.

15.19.2 Description

Source

RESIDUE_TRK updates whenever Settlement Residue Auctions are run and the results published (i.e. quarterly).

The RESIDUE_TRK data is available to all participants post the associated auction date.

Volume

Assuming quarterly contracts, RESIDUE_TRK shows a maximum of 50 records per year.

15.19.3 Notes

Name	Comment	Value
Visibility		Public

15.19.4 Primary Key Columns

Name
AUCTIONID
VERSIONNO

15.19.5 Index Columns

Name
LASTCHANGED

15.19.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)		SRA Contract identifier
VERSIONNO	NUMBER(3,0)	X	Contract run version
RUNDATE	DATE		Date auction results determined
AUTHORISEDDATE	DATE		Date results published

AUTHORISEDBY	VARCHAR2(15)		Authorising officer or process
POSTDATE	DATE		Date the run is authorised
POSTEDBY	VARCHAR2(15)		Name of authorising officer or process
LASTCHANGED	DATE		Last date and time record changed
STATUS	VARCHAR2(15)		Load status [SUCCESSFUL/CORRUPT]
AUCTIONID	VARCHAR2(30)	X	Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking)

15.20 Table: RESIDUECONTRACTPAYMENTS

15.20.1 RESIDUECONTRACTPAYMENTS

Name	RESIDUECONTRACTPAYMENTS
Comment	RESIDUECONTRACTPAYMENTS shows Settlement Residue Auction payment Participant notifications.

15.20.2 Description

RESIDUECONTRACTPAYMENTS data is confidential to the relevant participant.

15.20.3 Notes

Name	Comment	Value
Visibility		Private

15.20.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID

15.20.5 Index Columns

Name

LASTCHANGED

15.20.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)	X	SRA Contract ID
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
LASTCHANGED	DATE		Date and time this record was last changed

15.21 Table: RESIDUEFILETRK

15.21.1 RESIDUEFILETRK

Name	RESIDUEFILETRK
Comment	RESIDUEFILETRK records all Settlement Residue Auction offers submitted by participants.

15.21.2 Description

RESIDUEFILETRK data is confidential to each participant

Source

RESIDUEFILETRK updates are ad hoc from participants

Volume

Assuming quarterly contracts RESIDUEFILETRK contains a maximum of 5,000 records per annum.

Each bid file can contain many bids for each auction. Participants can input multiple bids (with the last acknowledged file being used in the auction).

15.21.3 Notes

Name	Comment	Value
Visibility		Private

15.21.4 Primary Key Columns

Name

AUCTIONID

LOADDATE

PARTICIPANTID

15.21.5 Index Columns

Name

LASTCHANGED

15.21.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(30)		SRA ContractID
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
LOADDATE	DATE	X	Date-Time SRA offer was loaded
FILENAME	VARCHAR2(40)		SRA offer file name
ACKFILENAME	VARCHAR2(40)		SRA acknowledgment file name
STATUS	VARCHAR2(10)		Load status [SUCCESSFUL/CORRUPT]
LASTCHANGED	DATE		Last date and time record changed
AUCTIONID	VARCHAR2(30)	X	Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking)

15.22 Table: SRA_CASH_SECURITY

15.22.1 SRA_CASH_SECURITY

Name SRA_CASH_SECURITY

Comment Records the Cash Security details provided by an SRA Auction Participant as collateral to

cover their Trading Position in the SRA market

15.22.2 Notes

Name	Comment	Value
Visibility		Private

15.22.3 Primary Key Columns

Name
CASH_SECURITY_ID

15.22.4 Content

Name	Data Type	Mandatory	Comment
CASH_SECURITY_ID	VARCHAR2(36)	X	Unique identifier for the cash security.
PARTICIPANTID	VARCHAR2(10)		Unique identifier for the auction participant lodging the cash security.
PROVISION_DATE	DATE		Date AEMO received the Cash Security deposit
CASH_AMOUNT	NUMBER(18,8)		Dollar amount of the cash security.
INTEREST_ACCT_ID	VARCHAR2(20)		The interest account ID for calculating the interest payment
AUTHORISEDDATE	DATE		Authorised date
FINALRETURNDATE	DATE		Date the entire Cash Security amount was returned to the Auction Participant
CASH_SECURITY_RETURNED	NUMBER(18,8)		Returned Dollar amount of the Cash Security.
DELETIONDATE	DATE		Cash Security deleted date. For valid records, DeletionDate will be Null.
LASTCHANGED	DATE		The date and time this record was last modified

15.23 Table: SRA_FINANCIAL_AUC_MARDETAIL

15.23.1 SRA_FINANCIAL_AUC_MARDETAIL

Name	SRA_FINANCIAL_AUC_MARDETAIL
Comment	This table stores details of the margins returned to the participants.

15.23.2 Notes

Name	Comment	Value
Visibility		Private

15.23.3 Primary Key Columns

Name
CASH_SECURITY_ID
PARTICIPANTID
SRA_QUARTER
SRA_RUNNO
SRA_YEAR

15.23.4 Content

Name	Data Type	Mandatory	Comment
SRA_YEAR	NUMBER(4)	X	Year of the Tranche
SRA_QUARTER	NUMBER(3)	X	Relevant Quarter of the Tranche
SRA_RUNNO	NUMBER(3)	X	SRA Run Number
PARTICIPANTID	VARCHAR2(10)	X	The participant identifier.
CASH_SECURITY_ID	VARCHAR2(36)	X	Unique identifier for the cash security.
RETURNED_AMOUNT	NUMBER(18,8)		The amount returned to the Auction participant from this cash security.

RETURNED_INTEREST	NUMBER(18,8)		The amount of interest applicable to the returned amount.

15.24 Table: SRA_FINANCIAL_AUC_MARGIN

15.24.1 SRA_FINANCIAL_AUC_MARGIN

Name	SRA_FINANCIAL_AUC_MARGIN
Comment	Records the amount of Cash Security required to be held by an Auction Participant after settlement

15.24.2 Notes

Name	Comment	Value
Visibility		Private

15.24.3 Primary Key Columns

Name
PARTICIPANTID
SRA_QUARTER
SRA_RUNNO
SRA_YEAR

15.24.4 Content

Name	Data Type	Mandatory	Comment
SRA_YEAR	NUMBER(4)	X	Year of the Tranche
SRA_QUARTER	NUMBER(3)	X	Relevant Quarter of the Tranche
SRA_RUNNO	NUMBER(3)	X	SRA Run Number
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier.

TOTAL_CASH_SECURITY	NUMBER(18,8)		Total cash security held by the participant.
REQUIRED_MARGIN	NUMBER(18,8)		The amount of trading cash security required to be held by the participant after settlement.
RETURNED_MARGIN	NUMBER(18,8)		The amount of cash security returned to the participant.
RETURNED_MARGIN_INTEREST	NUMBER(18,8)		The amount of interest applicable to returned cash security amounts.

15.25 Table: SRA_FINANCIAL_AUC_RECEIPTS

15.25.1 SRA_FINANCIAL_AUC_RECEIPTS

Name	SRA_FINANCIAL_AUC_RECEIPTS
Comment	Records details of the Cancelled Units and their value for the Auction Participant

15.25.2 Notes

Name	Comment	Value
Visibility		Private

15.25.3 Primary Key Columns

Name
CONTRACTID
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
SRA_QUARTER
SRA_RUNNO
SRA_YEAR

15.25.4 Content

Name	Data Type	Mandatory	Comment
SRA_YEAR	NUMBER(4)	X	Year of the Tranche
SRA_QUARTER	NUMBER(3)	X	Relevant Quarter of the Tranche
SRA_RUNNO	NUMBER(3)	X	SRA Run Number
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
INTERCONNECTORID	VARCHAR2(10)	X	The identifier for the Directional Interconnector
FROMREGIONID	VARCHAR2(10)	X	The source region identifier for the Directional Interconnector
CONTRACTID	VARCHAR2(10)	X	The SRA contract identifier
UNITS_PURCHASED	NUMBER(18,8)		The number of units purchased
CLEARING_PRICE	NUMBER(18,8)		The clearing price of the auction
RECEIPT_AMOUNT	NUMBER(18,8)		The payment amount owed to AEMO
LASTCHANGED	DATE		The last changed date for the record
PROCEEDS_AMOUNT	NUMBER(18,8)		Dollar value of Cancelled Units in the Auction for the Auction Participant
UNITS_SOLD	NUMBER(18,8)		Units cancelled in the auction by the Auction participant.

15.26 Table: SRA_FINANCIAL_AUCPAY_DETAIL

15.26.1 SRA_FINANCIAL_AUCPAY_DETAIL

Name SRA_FINANCIAL_AUCPAY_DETAIL

Comment Records details of the SRA financial auction payment

15.26.2 Notes

Name Comment Value

Visibility	Private

15.26.3 Primary Key Columns

Name

CONTRACTID

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

SRA_QUARTER

SRA_RUNNO

SRA_YEAR

15.26.4 Content

Name	Data Type	Mandatory	Comment
SRA_YEAR	NUMBER(4)	X	Year of the Tranche
SRA_QUARTER	NUMBER(3)	X	Relevant Quarter of the Tranche
SRA_RUNNO	NUMBER(3)	X	SRA Run Number
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
INTERCONNECTORID	VARCHAR2(10)	X	The identifier for the Directional Interconnector
FROMREGIONID	VARCHAR2(10)	X	The source Region identifier for the Directional Interconnector
CONTRACTID	VARCHAR2(10)	X	The SRA contract identifier
MAXIMUM_UNITS	NUMBER(18,8)		The Maximum Units Available for purchase in the Auction
UNITS_SOLD	NUMBER(18,8)		The total number of Allocated Units in the Auction, including Cancelled Units by an Auction Participant

SHORTFALL_UNITS	NUMBER(18,8)		The total number of units unpaid for in the auction
RESERVE_PRICE	NUMBER(18,8)		The reserve price of the auction
CLEARING_PRICE	NUMBER(18,8)		The Market Clearing Price of the Auction
PAYMENT_AMOUNT	NUMBER(18,8)		The payment amount owed by AEMO before shortfall
SHORTFALL_AMOUNT	NUMBER(18,8)		The shortfall amount
ALLOCATION	NUMBER(18,8)		The percentage of the auction proceeds allocated to the TNSP on the directional link
NET_PAYMENT_AMOUNT	NUMBER(18,8)		The payment amount owed by AEMO, including shortfall
LASTCHANGED	DATE		The date and time this record was last modified

15.27 Table: SRA_FINANCIAL_AUCPAY_SUM

15.27.1 SRA_FINANCIAL_AUCPAY_SUM

Name	SRA_FINANCIAL_AUCPAY_SUM
Comment	Records a summary of the Auction payment amount

15.27.2 Notes

Name	Comment	Value
Visibility		Private

15.27.3 Primary Key Columns

Name
PARTICIPANTID
SRA_QUARTER
SRA_RUNNO

SRA_YEAR

15.27.4 Content

Name	Data Type	Mandatory	Comment
SRA_YEAR	NUMBER(4)	X	Year of the Tranche
SRA_QUARTER	NUMBER(3)	X	Relevant Quarter of the Tranche
SRA_RUNNO	NUMBER(3)	X	SRA Run Number
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
GROSS_PROCEEDS_AMOUNT	NUMBER(18,8)		The total auction proceeds allocated to the TNSP
TOTAL_GROSS_PROCEEDS_AMOUNT	NUMBER(18,8)		The total auction proceeds allocated to all TNSPs in the SRA quarter
SHORTFALL_AMOUNT	NUMBER(18,8)		The shortfall amount for in the SRA Quarter for the TNSP
TOTAL_SHORTFALL_AMOUNT	NUMBER(18,8)		The total shortfall amount for in the SRA Quarter for all TNSPs
NET_PAYMENT_AMOUNT	NUMBER(18,8)		The net payment amount owed by AEMO to the TNSP
LASTCHANGED	DATE		The date and time this record was last modified

15.28 Table: SRA_FINANCIAL_RUNTRK

15.28.1 SRA_FINANCIAL_RUNTRK

Name SRA_FINANCIAL_RUNTRK

Comment Records details of the settlement process for the cancellation and purchase of SRA Auction Units

15.28.2 Notes

Name Comment Value

Visibility	Public

15.28.3 Primary Key Columns

Name

SRA_QUARTER

SRA_RUNNO

SRA_YEAR

15.28.4 Content

Name	Data Type	Mandatory	Comment
SRA_YEAR	NUMBER(4)	X	Year of the Tranche
SRA_QUARTER	NUMBER(3)	X	Relevant Quarter of the Tranche
SRA_RUNNO	NUMBER(3)	X	SRA Run Number
RUNTYPE	VARCHAR2(20)		The type of SRA run
RUNDATE	DATE		The date and time the run was triggered
POSTEDDATE	DATE		The date/time the run was posted
INTEREST_VERSIONNO	NUMBER(3)		Version number of the interest component used in the payments run
MAKEUP_VERSIONNO	NUMBER(3)		Version number of the makeup component used in the makeup run
LASTCHANGED	DATE		The date and time this record was last modified

15.29 Table: SRA_OFFER_PRODUCT

15.29.1 SRA_OFFER_PRODUCT

Name	SRA_OFFER_PRODUCT
Comment	Holds the Product details for each Offer File submitted by each SRA Auction Participant.

15.29.2 Notes

Name	Comment	Value
Visibility		Private

15.29.3 Primary Key Columns

Name
AUCTIONID
LOADDATE
OPTIONID
PARTICIPANTID

15.29.4 Content

Name	Data Type	Mandatory	Comment
AUCTIONID	VARCHAR2(30)	X	Unique ID for each Auction date
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
LOADDATE	DATE	X	The date and time the system loaded the SRA Offer File
OPTIONID	NUMBER(4)	X	Unique Product identifier (1 - 2000)
INTERCONNECTORID	VARCHAR2(10)		Unique Directional Interconnector identifier
FROMREGIONID	VARCHAR2(10)		The source Region identifier for the Directional Interconnector
OFFER_QUANTITY	NUMBER(5)		The Offer quantity for this Product
OFFER_PRICE	NUMBER(18,8)		The Offer price for this Product
TRANCHEID	VARCHAR2(30)		Tranche identifier
LASTCHANGED	DATE		The date and time this record was last modified

15.30 Table: SRA_OFFER_PROFILE

15.30.1 SRA_OFFER_PROFILE

Name	SRA_OFFER_PROFILE
Comment	Holds the data of an SRA Auction Participant Offer Submission.

15.30.2 Notes

Name	Comment	Value
Visibility		Private

15.30.3 Primary Key Columns

Name
AUCTIONID
LOADDATE
PARTICIPANTID

15.30.4 Content

Name	Data Type	Mandatory	Comment
AUCTIONID	VARCHAR2(30)	X	Unique ID for each Auction date
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
LOADDATE	DATE	X	The date and time the system loaded the SRA Offer File
FILENAME	VARCHAR2(40)		SRA Offer File name
ACKFILENAME	VARCHAR2(40)		SRA acknowledgment file name
TRANSACTIONID	VARCHAR2(100)		Transaction ID used for tracking
LASTCHANGED	DATE		The date and time this record was last modified

15.31 Table: SRA_PRUDENTIAL_CASH_SECURITY

15.31.1 SRA_PRUDENTIAL_CASH_SECURITY

Name	SRA_PRUDENTIAL_CASH_SECURITY
Comment	Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market

15.31.2 Notes

Name	Comment	Value
Visibility		Private

15.31.3 Primary Key Columns

Name
CASH_SECURITY_ID
PARTICIPANTID
PRUDENTIAL_DATE
PRUDENTIAL_RUNNO

15.31.4 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	DATE	X	The prudential date of the run.
PRUDENTIAL_RUNNO	NUMBER(8)	X	The run number for the prudential date
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier for the Auction Participant lodging the Cash Security
CASH_SECURITY_ID	VARCHAR2(36)	X	Unique identifier for the cash security.
CASH_SECURITY_AMOUNT	NUMBER(18,8)		Remaining Cash Security deposit available

15.32 Table: SRA_PRUDENTIAL_COMP_POSITION

15.32.1 SRA_PRUDENTIAL_COMP_POSITION

Name	SRA_PRUDENTIAL_COMP_POSITION
Comment	The prudential position of each company at the date and time of a specific prudential run

15.32.2 Notes

Name	Comment	Value
Visibility		Private

15.32.3 Primary Key Columns

Name
PARTICIPANTID
PRUDENTIAL_DATE
PRUDENTIAL_RUNNO

15.32.4 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	DATE	X	The prudential date of the run.
PRUDENTIAL_RUNNO	NUMBER(8)	X	The run number for the prudential date
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
TRADING_LIMIT	NUMBER(18,8)		The Trading Limit of the company at the time of the prudential run
PRUDENTIAL_EXPOSURE_AMOUNT	NUMBER(18,8)		Current Prudential Exposure of the Auction Participant including Offers
TRADING_MARGIN	NUMBER(18,8)		The amount of Trading Margin available to the Auction Participant to trade (including Offered Units and Cancelled Units). Equal to TRADING_LIMIT minus

			PRUDENTIAL_EXPOSURE_AMOUNT.

15.33 Table: SRA_PRUDENTIAL_EXPOSURE

15.33.1 SRA_PRUDENTIAL_EXPOSURE

Name	SRA_PRUDENTIAL_EXPOSURE
Comment	Records details of the Prudential Exposure of an SRA Auction Participant

15.33.2 Notes

Name	Comment	Value
Visibility		Private

15.33.3 Primary Key Columns

Name

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

PRUDENTIAL_DATE

PRUDENTIAL_RUNNO

SRA_QUARTER

SRA_YEAR

15.33.4 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	DATE	X	The prudential date of the run.
PRUDENTIAL_RUNNO	NUMBER(8)	X	The run number for the prudential date.
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier

SRA_YEAR	NUMBER(4)	X	AEMO Contract Year number starting the week beginning 1 January
SRA_QUARTER	NUMBER(3)	X	Contract Relevant Quarter
INTERCONNECTORID	VARCHAR2(10)	X	The identifier for the Directional Interconnector
FROMREGIONID	VARCHAR2(10)	X	The source Region identifier for the Directional Interconnector
MAX_TRANCHE	NUMBER(2)		The largest Tranche where the Unit was either sold or offered. Used in the calculation of the Average Purchase Price for the Trading Position of the Product. The most recent Tranche where Units were cancelled or offered (if the Offer is below the Average Purchase Price)
AUCTIONID	VARCHAR2(30)		Unique identifier for the Auction having the Offer. Has a null value when no Offer is made for the Relevant Quarter
OFFER_SUBMISSIONTIME	DATE		Timestamp of the Offer File submitted by the Auction Participant. Has a null value when no Offer is made for the Relevant Quarter
AVERAGE_PURCHASE_PRICE	NUMBER(18,8)		Calculated Average Purchase Price for the Product
AVERAGE_CANCELLATION_PRICE	NUMBER(18,8)		Calculated average cancellation price for product.
CANCELLATION_VOLUME	NUMBER(18,8)		Calculated cancellation volume for product.
TRADING_POSITION	NUMBER(18,8)		Calculated trading position for product.

15.34 Table: SRA_PRUDENTIAL_RUN

15.34.1 SRA_PRUDENTIAL_RUN

Name SRA_PRUDENTIAL_RUN

Comment Records the prudential run details for each prudential date

15.34.2 Notes

Name	Comment	Value
Visibility		Public

15.34.3 Primary Key Columns

Name
PRUDENTIAL_DATE
PRUDENTIAL_RUNNO

15.34.4 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	DATE	X	The prudential date of the run.
PRUDENTIAL_RUNNO	NUMBER(8)	X	The prudential run number for the run

15.35 Table: VALUATIONID

15.35.1 VALUATIONID

Name	VALUATIONID
Comment	VALUATIONID shows the identifiers and descriptions of the valuers submitting estimates of upcoming settlement residues. VALUATIONID supports the Settlement Residue Auction.

15.35.2 Description

VALUATIONID is public data, and is available to all participants.

Source

VALUATIONID updates are quarterly from the Settlement Residues Information System [SRIS].

Volume

VALUATIONID shows up to five (5) records. Updates are rare.

15.35.3 Notes

Name	Comment	Value
Visibility		Public

15.35.4 Primary Key Columns

Name
VALUATIONID

15.35.5 Index Columns

Name
LASTCHANGED

15.35.6 Content

Name	Data Type	Mandatory	Comment
VALUATIONID	VARCHAR2(15)	X	Identifier of the estimator
DESCRIPTION	VARCHAR2(80)		Full name of estimator
LASTCHANGED	DATE		Timestamp of record creation or modification

16 Package: MARKET_CONFIG

Name MARKET_CONFIG

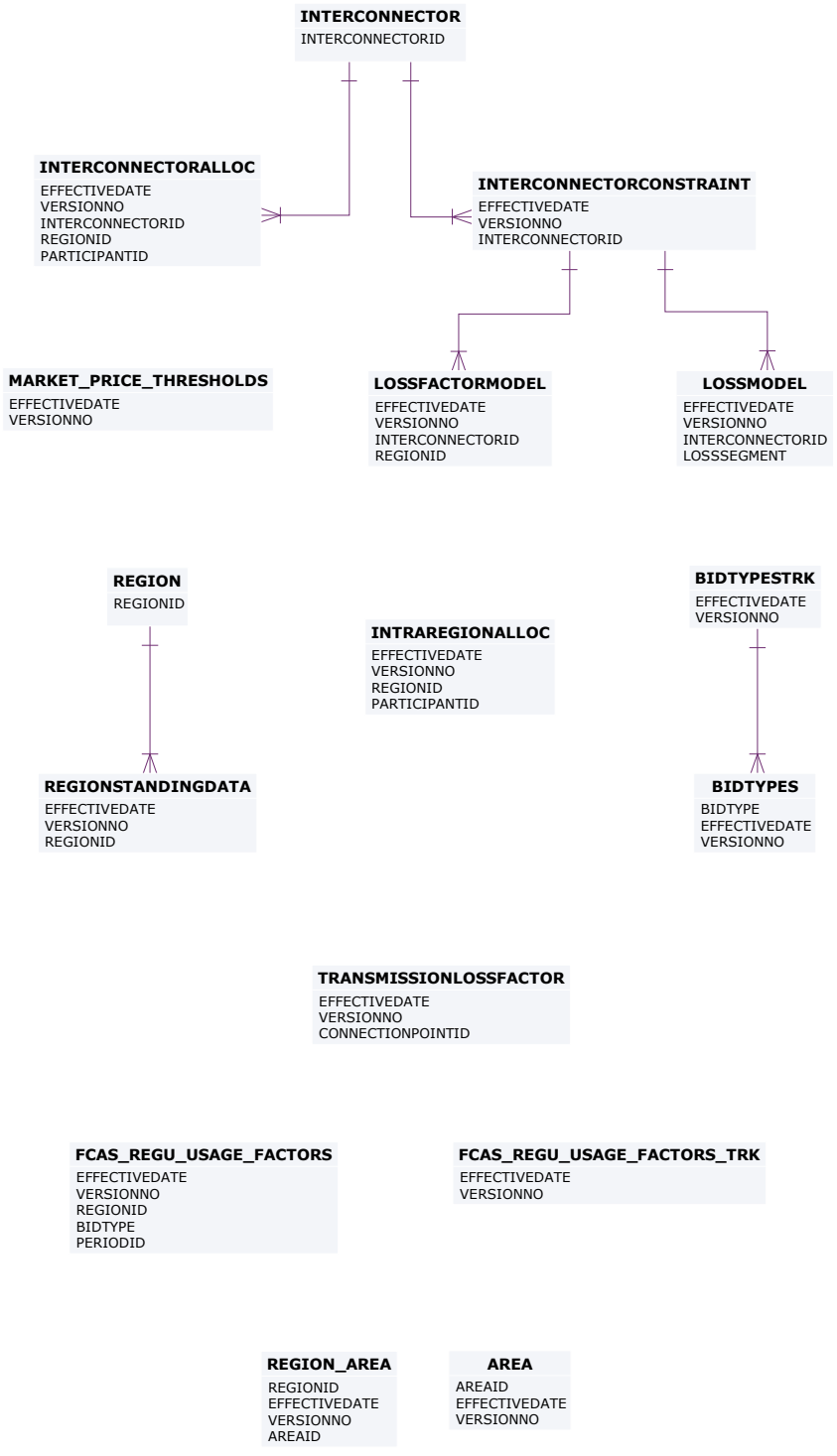
Comment Standing data for the market

16.1 List of tables

Name	Comment	Visibility
AREA	Table containing static metadata for the Areas, which are sub-regions used in load forecasting and rooftop PV forecasting. The latest metadata can be obtained for each AreaID using the most recent EffectiveDate and then VersionNo. If an AreaID is not mapped to an active RegionID in the corresponding REGION_AREA table, then that AreaID can be considered inactive.	Public
BIDTYPES	BIDTYPES, together with the associated tracking data in BIDTYPESTRK, define a set of ancillary services with bidding parameters from a given date. BIDTYPES is static data describing each type of bid quantity, the number of applicable bands, how many days ahead a price lock down becomes effective and the validation rule that applies.	Public
BIDTYPESTRK	BIDTYPESTRK, together with the associated data in BIDTYPES, define a set of ancillary services with bidding parameters from a given date.	Public
FCAS_REGU_USAGE_FACTORS	Stores the proportion of enabled regulation FCAS dispatch that is typically consumed for frequency regulation. Used to calculate the projected state of charge for energy storage systems.	Public
FCAS_REGU_USAGE_FACTORS_TRK	Stores the proportion of enabled regulation FCAS dispatch that is typically consumed for frequency regulation. Used to calculate the projected state of charge for energy storage systems.	Public
INTERCONNECTOR	INTERCONNECTOR sets out valid identifiers for each interconnector.	Public
INTERCONNECTORALLOC	INTERCONNECTORALLOC shows allocations of interconnector residues to Network Service Providers.	Private
INTERCONNECTORCONSTRAINT	INTERCONNECTORCONSTRAINT sets out	Public

	Interconnector limit data used as defaults in dispatch, predispatch and STPASA and used by SPD in calculating flows. INTERCONNECTORCONSTRAINT includes an additional field to restrict an interconnector from support transfer of FCAS.	
INTRAREGIONALLOC	INTRAREGIONALLOC shows allocations of intra-regional residues to participants.	Private
LOSSFACTORMODEL	LOSSFACTORMODEL sets out the demand coefficients for each interconnector, used by LP Solver modelling of interconnector flows.	Public
LOSSMODEL	LOSSMODEL sets out segment breakpoints in loss model for each interconnector, used by LP Solver modelling of interconnector flows.	Public
MARKET_PRICE_THRESHOLDS	MARKET_PRICE_THRESHOLDS sets out the market cap , floor and administered price thresholds applying to the electricity market	Public
REGION	REGION sets out valid region IDs.	Public
REGION_AREA	Table containing static metadata for mapping the Areas to Regions. The latest mapping can be obtained for each RegionID using the most recent EffectiveDate and then VersionNo.	Public
REGIONSTANDINGDATA	REGIONSTANDINGDATA sets out standing region data including the region reference node.	Public
TRANSMISSIONLOSSFACTOR	TRANSMISSIONLOSSFACTOR shows the Transmission Loss factors applied at each connection point.	Public

16.2 Diagram: Entities: Market Standing Data



16.3 Table: AREA

16.3.1 AREA

Name	AREA
Comment	Table containing static metadata for the Areas, which are sub-regions used in load forecasting and rooftop PV forecasting. The latest metadata can be obtained for each AreaID using the most recent EffectiveDate and then VersionNo. If an AreaID is not mapped to an active RegionID in the corresponding REGION_AREA table, then that AreaID can be considered inactive.

16.3.2 Notes

Name	Comment	Value
Visibility		Public

16.3.3 Primary Key Columns

Name
AREAID
EFFECTIVEDATE
VERSIONNO

16.3.4 Content

Name	Data Type	Mandatory	Comment
AREAID	VARCHAR2(10)	X	Area identifier
EFFECTIVEDATE	DATE	X	Calendar date from when this record set is effective.
VERSIONNO	NUMBER(3,0)	X	Version number for the same effectivedate.
AREA_NAME	VARCHAR2(20)		Area name
AREA_DESCRIPTION	VARCHAR2(200)		Area description

LASTCHANGED	DATE		Last date and time record changed.

16.4 Table: BIDTYPES

16.4.1 BIDTYPES

Name	BIDTYPES
Comment	BIDTYPES, together with the associated tracking data in BIDTYPESTRK, define a set of ancillary services with bidding parameters from a given date. BIDTYPES is static data describing each type of bid quantity, the number of applicable bands, how many days ahead a price lock down becomes effective and the validation rule that applies.

16.4.2 Description

BIDTYPES is public to participants

Source

BIDTYPES updates when the static data relating to an ancillary service type is modified.

Volume

Expect modifications to be rare. Allow for approximately 20 records per year.

16.4.3 Notes

Name	Comment	Value
Visibility		Public

16.4.4 Primary Key Columns

Name
BIDTYPE
EFFECTIVEDATE
VERSIONNO

16.4.5 Index Columns

Name

LASTCHANGED

16.4.6 Content

Name	Data Type	Mandatory	Comment
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
EFFECTIVEDATE	DATE	X	Market date starting at 04:30 inclusive
VERSIONNO	NUMBER(3,0)	X	Record version number
DESCRIPTION	VARCHAR2(64)		Description of this Bid Type
NUMBEROFBANDS	NUMBER(3,0)		Number of active bands (1 to 10)
NUMDAYSAHEADPRICELOCKED	NUMBER(2,0)		Number of days prior to the Market Day when prices are locked from 12:30pm
VALIDATIONRULE	VARCHAR2(10)		ENERGY or AS validation rules to apply.
LASTCHANGED	DATE		Last date and time record changed
SPDALIAS	VARCHAR2(10)		Alias for this BIDTYPE used in the SPD Solver

16.5 Table: BIDTYPESTRK

16.5.1 BIDTYPESTRK

Name BIDTYPESTRK

Comment BIDTYPESTRK, together with the associated data in BIDTYPES, define a set of ancillary services with bidding parameters from a given date.

16.5.2 Description

BIDTYPESTRK is public to participants

Source

BIDTYPESTRK updates when the static data relating to an ancillary service type is modified.

Volume

Expect modifications to be rare. Allow for approximately 20 records per year.

16.5.3 Notes

Name	Comment	Value
Visibility		Public

16.5.4 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO

16.5.5 Index Columns

Name
LASTCHANGED

16.5.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Market date starting at 04:30 inclusive
VERSIONNO	NUMBER(3,0)	X	Record version number
AUTHORISEDDATE	DATE		Date of record authorisation. A NULL value indicates the record is not authorised.
AUTHORISEDBY	VARCHAR2(15)		User that authorised record. A NULL value indicates the record is not authorised.
LASTCHANGED	DATE		Last date and time record changed

16.6 Table: FCAS_REGU_USAGE_FACTORS

16.6.1 FCAS_REGU_USAGE_FACTORS

Name	FCAS_REGU_USAGE_FACTORS
Comment	Stores the proportion of enabled regulation FCAS dispatch that is typically consumed for frequency regulation. Used to calculate the projected state of charge for energy storage systems.

16.6.2 Notes

Name	Comment	Value
Visibility		Public

16.6.3 Primary Key Columns

Name
BIDTYPE
EFFECTIVEDATE
PERIODID
REGIONID
VERSIONNO

16.6.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date for this regulation FCAS usage factor
VERSIONNO	NUMBER(3,0)	X	Version with respect to effective date
REGIONID	VARCHAR2(20)	X	Unique RegionID
BIDTYPE	VARCHAR2(20)	X	The type of regulation FCAS service [RAISEREG,LOWERREG]
PERIODID	NUMBER(3,0)	X	The Period ID (1 - 48) within the calendar day

			to which this usage factor applies
USAGE_FACTOR	NUMBER(8,3)		The proportion of cleared regulation FCAS that is assumed to be used within a dispatch interval. Expressed as a fractional amount between 0 and 1
LASTCHANGED	DATE		The last time the data has been changed/updated

16.7 Table: FCAS_REGU_USAGE_FACTORS_TRK

16.7.1 FCAS_REGU_USAGE_FACTORS_TRK

Name FCAS_REGU_USAGE_FACTORS_TRK

Comment Stores the proportion of enabled regulation FCAS dispatch that is typically consumed for frequency regulation. Used to calculate the projected state of charge for energy storage systems.

16.7.2 Notes

Name	Comment	Value
Visibility		Public

16.7.3 Primary Key Columns

Name

EFFECTIVEDATE

VERSIONNO

16.7.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date for this regulation FCAS usage factor
VERSIONNO	NUMBER(3,0)	X	Version of the date with respect to effective date

AUTHORISEDDATE	DATE		The date time that this set of usage factors was authorised
LASTCHANGED	DATE		The last time the data has been changed/updated

16.8 Table: INTERCONNECTOR

16.8.1 INTERCONNECTOR

Name	INTERCONNECTOR
Comment	INTERCONNECTOR sets out valid identifiers for each interconnector.

16.8.2 Description

INTERCONNECTOR is public data, available to all participants.

Source

INTERCONNECTOR changes infrequently, usually annually.

16.8.3 Notes

Name	Comment	Value
Visibility		Public

16.8.4 Primary Key Columns

Name
INTERCONNECTORID

16.8.5 Index Columns

Name
LASTCHANGED

16.8.6 Content

Name	Data Type	Mandatory	Comment
INTERCONNECTORID	VARCHAR2(10)	X	Unique Id of this interconnector
REGIONFROM	VARCHAR2(10)		Starting region of the interconnect
RSOID	VARCHAR2(10)		Not used
REGIONTO	VARCHAR2(10)		Ending region of the interconnect
DESCRIPTION	VARCHAR2(64)		Description of interconnector
LASTCHANGED	DATE		Last date and time record changed

16.9 Table: INTERCONNECTORALLOC

16.9.1 INTERCONNECTORALLOC

Name	INTERCONNECTORALLOC
Comment	INTERCONNECTORALLOC shows allocations of interconnector residues to Network Service Providers.

16.9.2 Description

INTERCONNECTORALLOC data is confidential to the relevant participant.

Source

INTERCONNECTORALLOC changes infrequently, typically annually.

16.9.3 Notes

Name	Comment	Value
Visibility		Private

16.9.4 Primary Key Columns

Name

EFFECTIVEDATE

INTERCONNECTORID

PARTICIPANTID

REGIONID

VERSIONNO

16.9.5 Index Columns

Name

LASTCHANGED

16.9.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective Date of Allocation Details
VERSIONNO	NUMBER(5,0)	X	Version No in respect to effective date
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
ALLOCATION	NUMBER(12,5)		Allocation % / 100
LASTCHANGED	DATE		Last date and time record changed

16.10 Table: INTERCONNECTORCONSTRAINT

16.10.1 INTERCONNECTORCONSTRAINT

Name INTERCONNECTORCONSTRAINT

Comment INTERCONNECTORCONSTRAINT sets out Interconnector limit data used as defaults in dispatch, predispatch and STPASA and used by SPD in calculating flows. INTERCONNECTORCONSTRAINT includes an additional field to restrict an interconnector from support transfer of FCAS.

16.10.2 Description

INTERCONNECTORCONSTRAINT is public data, available to all participants.

Source

INTERCONNECTORCONSTRAINT changes infrequently, typically annually.

16.10.3 Notes

Name	Comment	Value
Visibility		Public

16.10.4 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
VERSIONNO

16.10.5 Index Columns

Name
LASTCHANGED

16.10.6 Content

Name	Data Type	Mandatory	Comment
RESERVEOVERALLLOADFACTOR	NUMBER(5,2)		SPD Factor
FROMREGIONLOSSSHARE	NUMBER(5,2)		Loss share attributable to from region
EFFECTIVEDATE	DATE	X	Date that this limit is effective from
VERSIONNO	NUMBER(3,0)	X	Version for this date

INTERCONNECTORID	VARCHAR2(10)	X	Unique Id of this interconnector
MAXMWIN	NUMBER(15,5)		Limit of energy flowing into the RegionFrom
MAXMWOUT	NUMBER(15,5)		Limit of energy flowing out of the Region
LOSSCONSTANT	NUMBER(15,6)		Constant Loss factor
LOSSFLOWCOEFFICIENT	NUMBER(27,17)		Linear coefficient of loss factor calculation
EMSMEASURAND	VARCHAR2(40)		Identifies the EMS entity that represents the interconnector flow
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
DYNAMICRHS	VARCHAR2(1)		Not used
IMPORTLIMIT	NUMBER(6,0)		Interconnector import limit
EXPORTLIMIT	NUMBER(6,0)		Interconnector export limit
OUTAGEDERATIONFACTOR	NUMBER(15,5)		SPD Factor
NONPHYSICALLOSSFACTOR	NUMBER(15,5)		Factor for non-physical losses rerun
OVERLOADFACTOR60SEC	NUMBER(15,5)		Interconnector overload for 60 sec
OVERLOADFACTOR6SEC	NUMBER(15,5)		Interconnector overload for 6 sec
LASTCHANGED	DATE		Last date and time record changed
FCASSUPPORTUNAVAILABLE	NUMBER(1,0)		Flag to indicate that the interconnector cannot support FCAS Transfers
ICTYPE	VARCHAR2(10)		Interconnector type - Currently either "REGULATED" or "MNSP"

16.11 Table: INTRAREGIONALLOC

16.11.1 INTRAREGIONALLOC

Name INTRAREGIONALLOC

Comment INTRAREGIONALLOC shows allocations of intra-regional residues to participants.

16.11.2 Description

INTRAREGIONALLOC data is confidential to the relevant participant.

Source

The data in INTRAREGIONALLOC changes infrequently.

16.11.3 Notes

Name	Comment	Value
Visibility		Private

16.11.4 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
REGIONID
VERSIONNO

16.11.5 Index Columns

Name
LASTCHANGED

16.11.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective Date of Allocation Details
VERSIONNO	NUMBER(5,0)	X	Version No in respect to effective date
REGIONID	VARCHAR2(10)	X	Region Identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier

ALLOCATION	NUMBER(12,5)		Allocation Percent / 100
LASTCHANGED	DATE		Last changed date/time

16.12 Table: LOSSFACTORMODEL

16.12.1 LOSSFACTORMODEL

Name	LOSSFACTORMODEL
Comment	LOSSFACTORMODEL sets out the demand coefficients for each interconnector, used by LP Solver modelling of interconnector flows.

16.12.2 Description

LOSSFACTORMODEL is public data, so is available to all participants.

Source

LOSSFACTORMODEL only changes annually, when there is a change in the interconnector.

16.12.3 Notes

Name	Comment	Value
Visibility		Public

16.12.4 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
REGIONID
VERSIONNO

16.12.5 Index Columns

Name

LASTCHANGED

16.12.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar date data set is effective
VERSIONNO	NUMBER(3,0)	X	Version number within effective date of the status proposed
INTERCONNECTORID	VARCHAR2(10)	X	The unique identifier for the interconnector.
REGIONID	VARCHAR2(10)	X	The unique region identifier for a connection point of the interconnector
DEMANDCOEFFICIENT	NUMBER(27,17)		The coefficient applied to the region demand in the calculation of the interconnector loss factor
LASTCHANGED	DATE		Last date and time record changed

16.13 Table: LOSSMODEL

16.13.1 LOSSMODEL

Name LOSSMODEL

Comment LOSSMODEL sets out segment breakpoints in loss model for each interconnector, used by LP Solver modelling of interconnector flows.

16.13.2 Description

LOSSMODEL data is public, so is available to all participants.

Source

LOSSMODEL only changes annually, when there is a change in the interconnector.

16.13.3 Notes

Name	Comment	Value
Visibility		Public

16.13.4 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
LOSSSEGMENT
VERSIONNO

16.13.5 Index Columns

Name
LASTCHANGED

16.13.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar date data set is effective
VERSIONNO	NUMBER(3,0)	X	Version number within effective date
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier
PERIODID	VARCHAR2(20)		Not used
LOSSSEGMENT	NUMBER(6,0)	X	Segment Identifier (1 to 80 at present)
MWBREAKPOINT	NUMBER(6,0)		MW Value for segment
LOSSFACTOR	NUMBER(16,6)		Not used
LASTCHANGED	DATE		Last date and time record changed

16.14 Table: MARKET_PRICE_THRESHOLDS

16.14.1 MARKET_PRICE_THRESHOLDS

Name	MARKET_PRICE_THRESHOLDS
Comment	MARKET_PRICE_THRESHOLDS sets out the market cap , floor and administered price thresholds applying to the electricity market

16.14.2 Description

MARKET_PRICE_THRESHOLDS data is public, so is available to all participants.

Source

MARKET_PRICE_THRESHOLDS only changes when a change is made to a market price threshold. This table changes infrequently.

16.14.3 Notes

Name	Comment	Value
Visibility		Public

16.14.4 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO

16.14.5 Index Columns

Name
LASTCHANGED

16.14.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar date that this record becomes

			effective
VERSIONNO	NUMBER(4,0)	X	version no for the effective date
VOLL	NUMBER(15,5)		value of lost load if total supply falls short of demand after load management then involuntary load
MARKETPRICEFLOOR	NUMBER(15,5)		The floor price that the spot market price will not fall below.
ADMINISTERED_PRICE_THRESHOLD	NUMBER(15,5)		Threshold value beyond which Aggregate Prices per Region over 336 Trade Intervals (Energy), or 2016 Dispatch Intervals (FCAS), will result in an Administered Price declaration
AUTHORISEDDATE	DATE		date data authorised
AUTHORISEDBY	VARCHAR2(15)		user authorising
LASTCHANGED	DATE		Last date and time record changed

16.15 Table: REGION

16.15.1 REGION

Name	REGION
Comment	REGION sets out valid region IDs.

16.15.2 Description

REGION data is public, so is available to all participants.

Source

REGION updates if a change is ever made to a region. This table is static data and is likely to change very infrequently.

16.15.3 Notes

Name	Comment	Value
Visibility		Public

16.15.4 Primary Key Columns

Name

REGIONID

16.15.5 Index Columns

Name

LASTCHANGED

16.15.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Differentiates this region from all other regions
DESCRIPTION	VARCHAR2(64)		Full description of region
REGIONSTATUS	VARCHAR2(8)		Status of the region e.g. working, inactive, archive.
LASTCHANGED	DATE		Last date and time record changed

16.16 Table: REGION_AREA

16.16.1 REGION_AREA

Name REGION_AREA

Comment Table containing static metadata for mapping the Areas to Regions. The latest mapping can be obtained for each RegionID using the most recent EffectiveDate and then VersionNo.

16.16.2 Notes

Name	Comment	Value
Visibility		Public

16.16.3 Primary Key Columns

Name

AREAID

EFFECTIVEDATE

REGIONID

VERSIONNO

16.16.4 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(10)	X	Region identifier
EFFECTIVEDATE	DATE	X	Calendar date from when this record set is effective.
VERSIONNO	NUMBER(3,0)	X	Version number for the same effectivedate.
AREAID	VARCHAR2(10)	X	Area identifier
LASTCHANGED	DATE		Last date and time record changed.

16.17 Table: REGIONSTANDINGDATA

16.17.1 REGIONSTANDINGDATA

Name REGIONSTANDINGDATA

Comment REGIONSTANDINGDATA sets out standing region data including the region reference node.

16.17.2 Description

REGIONSTANDINGDATA data is public, so is available to all participants.

Source

REGIONSTANDINGDATA only changes when a change is made to a region. This table changes infrequently.

16.17.3 Notes

Name	Comment	Value
Visibility		Public

16.17.4 Primary Key Columns

Name
EFFECTIVEDATE
REGIONID
VERSIONNO

16.17.5 Index Columns

Name
LASTCHANGED

16.17.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of this record, only the latest date applies
VERSIONNO	NUMBER(3,0)	X	Version No of the standing data that should be effective on this date
REGIONID	VARCHAR2(10)	X	Differentiates this region from all other regions
RSOID	VARCHAR2(10)		the unique identifier of the participant with responsibility for the region.
REGIONALREFERENCEPOINTID	VARCHAR2(10)		unique id of a connection point, being the reference point for this region
PEAKTRADINGPERIOD	NUMBER(3,0)		Period identifier of the peak trading period of this connection point
AUTHORISEDDATE	DATE		Date record authorised

AUTHORISEDBY	VARCHAR2(15)		User authorising record
SCALINGFACTOR	NUMBER(15,5)		Scaling factor for regional FCAS requirement
LASTCHANGED	DATE		Last date and time record changed

16.18 Table: TRANSMISSIONLOSSFACTOR

16.18.1 TRANSMISSIONLOSSFACTOR

Name	TRANSMISSIONLOSSFACTOR
Comment	TRANSMISSIONLOSSFACTOR shows the Transmission Loss factors applied at each connection point.

16.18.2 Description

TRANSMISSIONLOSSFACTOR is public data, and is available to all participants.

Source

TRANSMISSIONLOSSFACTOR updates when new connection points are created or loss factors change.

16.18.3 Notes

Name	Comment	Value
Visibility		Public

16.18.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE
VERSIONNO

16.18.5 Index Columns

Name

LASTCHANGED

16.18.6 Content

Name	Data Type	Mandatory	Comment
TRANSMISSIONLOSSFACTOR	NUMBER(15,5)	X	Used in Bidding, Dispatch and Settlements. For Bidding and Dispatch, where the DUID is a BDU with DISPATCHTYPE of BIDIRECTIONAL, the TLF for the load component of the BDU. For Settlements, where dual TLFs apply, the primary TLF is applied to all energy (load and generation) when the Net Energy Flow of the ConnectionPointID in the interval is negative (net load).
EFFECTIVEDATE	DATE	X	Effective date of record
VERSIONNO	NUMBER(22,0)	X	Version no of record for given effective date
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection Point ID
REGIONID	VARCHAR2(10)		Region Identifier
LASTCHANGED	DATE		Record creation timestamp
SECONDARY_TLF	NUMBER(18,8)		Used in Bidding, Dispatch and Settlements, only populated where Dual TLFs apply. For Bidding and Dispatch, the TLF for the generation component of a BDU, when null the TRANSMISSIONLOSSFACTOR is used for both the load and generation components. For Settlements, the secondary TLF is applied to all energy (load and generation) when the Net Energy Flow of the ConnectionPointID in the interval is positive (net generation).

17 Package: MARKET_NOTICE

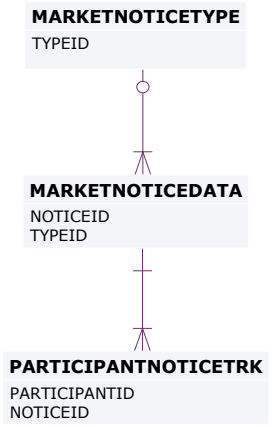
Name MARKET_NOTICE

Comment Market Notice data

17.1 List of tables

Name	Comment	Visibility
MARKETNOTICEDATA	MARKETNOTICEDATA shows market notices data provided to all participants (market) and specific participants (participant).	Private & Public
MARKETNOTICETYPE	MARKETNOTICETYPE sets out the different types of market notices (e.g. market systems).	Public
PARTICIPANTNOTICETRK	PARTICIPANTNOTICETRK provides the cross-reference between participant market notices and participants.	Private

17.2 Diagram: Entities: Market Notices



17.3 Table: MARKETNOTICEDATA

17.3.1 MARKETNOTICEDATA

Name	MARKETNOTICEDATA
Comment	MARKETNOTICEDATA shows market notices data provided to all participants (market) and specific participants (participant).

17.3.2 Description

MARKETNOTICEDATA data is confidential to each participant, although some notices are sent to all participants.

Source

MARKETNOTICEDATA updates immediately available.

17.3.3 Notes

Name	Comment	Value
Visibility		Private & Public

17.3.4 Primary Key Columns

Name
NOTICEID

17.3.5 Index Columns

Name
LASTCHANGED

17.3.6 Content

Name	Data Type	Mandatory	Comment
NOTICEID	NUMBER(10,0)	X	Notice Identifier

EFFECTIVEDATE	DATE		Effective Date of Market notice
TYPEID	VARCHAR2(25)		Market Notice Type Identifier (Market - all participants. Participant - selected participants)
NOTICETYPE	VARCHAR2(25)		Market Notice Type
LASTCHANGED	DATE		Last date and time record changed
REASON	VARCHAR2(2000)		Detail of market notices.
EXTERNALREFERENCE	VARCHAR2(255)		External Reference for extra data pertaining to market notice

17.4 Table: MARKETNOTICETYPE

17.4.1 MARKETNOTICETYPE

Name	MARKETNOTICETYPE
Comment	MARKETNOTICETYPE sets out the different types of market notices (e.g. market systems).

17.4.2 Description

MARKETNOTICETYPE data is public, so is available to all participants.

Source

MARKETNOTICETYPE updates whenever market notice types change.

17.4.3 Notes

Name	Comment	Value
Visibility		Public

17.4.4 Primary Key Columns

Name
TYPEID

17.4.5 Index Columns

Name

LASTCHANGED

17.4.6 Content

Name	Data Type	Mandatory	Comment
TYPEID	VARCHAR2(25)	X	Identifier for market notice type
DESCRIPTION	VARCHAR2(64)		Type description
RAISEDBY	VARCHAR2(10)		Not used
LASTCHANGED	DATE		Last date and time record changed

17.5 Table: PARTICIPANTNOTICETRK

17.5.1 PARTICIPANTNOTICETRK

Name PARTICIPANTNOTICETRK

Comment PARTICIPANTNOTICETRK provides the cross-reference between participant market notices and participants.

17.5.2 Description

PARTICIPANTNOTICETRK data is Confidential to the relevant participant.

Source

PARTICIPANTNOTICETRK updates immediately, whenever a participant notice is issued.

17.5.3 Notes

Name	Comment	Value
Visibility		Private

17.5.4 Primary Key Columns

Name

NOTICEID

PARTICIPANTID

17.5.5 Index Columns

Name

LASTCHANGED

17.5.6 Index Columns

Name

PARTICIPANTID

17.5.7 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
NOTICEID	NUMBER(10,0)	X	Market notice identifier
LASTCHANGED	DATE		Last date and time record changed

18 Package: METER_DATA

Name METER_DATA

Comment Wholesale market aggregated Meter data

18.1 List of tables

Name	Comment	Visibility
METERDATA_AGGREGATE_READS	Publishes aggregated metering data associated with a wholesale connection point for a given CASE_ID	Private
METERDATA_INDIVIDUAL_READS	Publishes metering data associated with individual metering points for a given CASE_ID	Private
METERDATA_INTERCONNECTOR	Publishes metering data associated with wholesale interconnectors for a given CASE_ID	Public
METERDATA_SAPS	The SAPS Meter data for MSRP and Retailer used in the Settlement Calculation	Private
METERDATA_WDR_READS	Metering Data WDR Readings	Private

18.2 Diagram: Entities: Meter Data

Note: Include MDA = MeteringDataAgent in any join

METERDATA_INDIVIDUAL_READS
CASE_ID
SETTLEMENTDATE
METER_ID
METER_ID_SUFFIX
PERIODID

METERDATA_INTERCONNECTOR
CASE_ID
SETTLEMENTDATE
INTERCONNECTORID
PERIODID

METERDATA_AGGREGATE_READS
CASE_ID
SETTLEMENTDATE
CONNECTIONPOINTID
METER_TYPE
FRMP
LR
PERIODID

METERDATA_WDR_READS
MARKET_ID
CASE_ID
SETTLEMENTDATE
METER_ID
PERIODID

METERDATA_SAPS
CASE_ID
SETTLEMENTDATE
CONNECTIONPOINT_ID
METER_TYPE
FRMP
LR
PERIODID

18.3 Table: METERDATA_AGGREGATE_READS

18.3.1 METERDATA_AGGREGATE_READS

Name	METERDATA_AGGREGATE_READS
Comment	Publishes aggregated metering data associated with a wholesale connection point for a given CASE_ID

18.3.2 Notes

Name	Comment	Value
Visibility		Private

18.3.3 Primary Key Columns

Name
CASE_ID
CONNECTIONPOINTID
FRMP
LR
METER_TYPE
PERIODID
SETTLEMENTDATE

18.3.4 Index Columns

Name
CASE_ID
SETTLEMENTDATE
CONNECTIONPOINTID
METER_TYPE

FRMP

LR

PERIODID

18.3.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	NUMBER(15,0)	X	Case Identifier
SETTLEMENTDATE	DATE	X	Settlement date within the case
CONNECTIONPOINTID	VARCHAR2(20)	X	Connection Point ID
METER_TYPE	VARCHAR2(20)	X	The meter type for the read, one of: CUSTOMER; GENERATOR; EMBEDDED_GENERATOR
FRMP	VARCHAR2(20)	X	The financially responsible market participantid
LR	VARCHAR2(20)	X	The local retailer at the connection point id
PERIODID	NUMBER(3,0)	X	Trading Interval.
IMPORTVALUE	NUMBER(18,8)	X	The import(pool-centric) value for the meter read (MWh)
EXPORTVALUE	NUMBER(18,8)	X	The export(pool-centric) value for the meter read (MWh)
LASTCHANGED	DATE		Last changed date for the record

18.4 Table: METERDATA_INDIVIDUAL_READS

18.4.1 METERDATA_INDIVIDUAL_READS

Name METERDATA_INDIVIDUAL_READS

Comment Publishes metering data associated with individual metering points for a given CASE_ID

18.4.2 Notes

Name	Comment	Value
Visibility		Private

18.4.3 Primary Key Columns

Name

CASE_ID

METER_ID

METER_ID_SUFFIX

PERIODID

SETTLEMENTDATE

18.4.4 Index Columns

Name

CASE_ID

SETTLEMENTDATE

METER_ID

METER_ID_SUFFIX

PERIODID

18.4.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	NUMBER(15,0)	X	Case Identifier
SETTLEMENTDATE	DATE	X	Settlement date within the case
METER_ID	VARCHAR2(20)	X	The National Metering Identifier (NMI)
METER_ID_SUFFIX	VARCHAR2(20)	X	The National Metering Identifier (NMI) data

			stream
FRMP	VARCHAR2(20)	X	The financially responsible market participantid
LR	VARCHAR2(20)	X	The local retailer at the connection point id
PERIODID	NUMBER(3,0)	X	Trading Interval.
CONNECTIONPOINTID	VARCHAR2(20)	X	Connection Point ID
METER_TYPE	VARCHAR2(20)	X	The meter type for the read, one of: CUSTOMER; GENERATOR; EMBEDDED_GENERATOR
IMPORTVALUE	NUMBER(18,8)	X	The import(pool-centric) value for the meter read (MWh)
EXPORTVALUE	NUMBER(18,8)	X	The export(pool-centric) value for the meter read (MWh)
LASTCHANGED	DATE		Last changed date for the record

18.5 Table: METERDATA_INTERCONNECTOR

18.5.1 METERDATA_INTERCONNECTOR

Name METERDATA_INTERCONNECTOR

Comment Publishes metering data associated with wholesale interconnectors for a given CASE_ID

18.5.2 Notes

Name	Comment	Value
Visibility		Public

18.5.3 Primary Key Columns

Name

CASE_ID

INTERCONNECTORID

PERIODID

SETTLEMENTDATE

18.5.4 Index Columns

Name

CASE_ID

SETTLEMENTDATE

INTERCONNECTORID

PERIODID

18.5.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	NUMBER(15,0)	X	Case Identifier
SETTLEMENTDATE	DATE	X	Settlement date within the case
INTERCONNECTORID	VARCHAR2(20)	X	Interconnector Identifier
PERIODID	NUMBER(3,0)	X	Trading Interval.
IMPORTVALUE	NUMBER(18,8)		The import direction value for the meter read (MWh)
EXPORTVALUE	NUMBER(18,8)		The export direction value for the meter read (MWh)
LASTCHANGED	DATE		Last changed date for the record

18.6 Table: METERDATA_SAPS

18.6.1 METERDATA_SAPS

Name METERDATA_SAPS

Comment The SAPS Meter data for MSRP and Retailer used in the Settlement Calculation

18.6.2 Notes

Name	Comment	Value
Visibility		Private

18.6.3 Primary Key Columns

Name

CASE_ID

CONNECTIONPOINT_ID

FRMP

LR

METER_TYPE

PERIODID

SETTLEMENTDATE

18.6.4 Content

Name	Data Type	Mandatory	Comment
CASE_ID	NUMBER(15,0)	X	The Metering Case ID used for Settlements
SETTLEMENTDATE	DATE	X	The Settlement Date for that Week
CONNECTIONPOINT_ID	VARCHAR2(20)	X	The SAPS Connection Point Id
METER_TYPE	VARCHAR2(20)	X	The Meter Type Identifier , CUSTOMER or MSRP
FRMP	VARCHAR2(20)	X	The Financial Responsible Market Participant
LR	VARCHAR2(20)	X	The Local Retailer
PERIODID	NUMBER(4,0)	X	The Period ID Identifier
IMPORTVALUE	NUMBER(18,8)		The Sent Out Energy in MWh
EXPORTVALUE	NUMBER(18,8)		The Consumed Energy in MWh

LASTCHANGED	DATE		The Date time of the record last updated or inserted.

18.7 Table: METERDATA_WDR_READS

18.7.1 METERDATA_WDR_READS

Name	METERDATA_WDR_READS
Comment	Metering Data WDR Readings

18.7.2 Notes

Name	Comment	Value
Visibility		Private

18.7.3 Primary Key Columns

Name
CASE_ID
MARKET_ID
METER_ID
PERIODID
SETTLEMENTDATE

18.7.4 Content

Name	Data Type	Mandatory	Comment
MARKET_ID	VARCHAR2(20)	X	Unique identifier for the market to which this metering record applies. Always equal to NEM in the current system.
CASE_ID	NUMBER(15,0)	X	Unique identifier for the metering case.
SETTLEMENTDATE	DATE	X	The settlement date for the metering record

METER_ID	VARCHAR2(20)	X	Unique identifier for the meter to which the metering record applies
TNI	VARCHAR2(20)		Unique identifier for the transmission node to which this meter belongs on the settlement date
FRMP	VARCHAR2(20)		Unique identifier for the participant acting as the FRMP for this NMI on the settlement date
DRSP	VARCHAR2(20)		Unique identifier for the participant acting as the DRSP for this NMI on the settlement date
PERIODID	NUMBER(3,0)	X	Trading interval identifier, with Period 1 being the first TI for the calendar day, i.e interval ending 00:05.
METEREDQUANTITYIMPORT	NUMBER(18,8)		Metered quantity Import in MWh for the NMI in the trading interval. A negative value indicates net consumption, while a positive value indicates net generation
METEREDQUANTITYEXPORT	NUMBER(18,8)		Metered quantity Export in MWh for the NMI in the trading interval. A negative value indicates net consumption, while a positive value indicates net generation
BASELINEQUANTITY	NUMBER(18,8)		Baseline quantity in MWh for the NMI in the trading interval. A negative value indicates net consumption, while a positive value indicates the net generation
QUALITYFLAG	VARCHAR2(20)		Quality flag for the meter read. Where multiple datastreams exist against the NMI with different quality flags for each read, the lowest quality flag will be published against the NMI for the interval.
ISNONCOMPLIANT	NUMBER(1,0)		A value of TRUE (indicated by 1) for this column indicates that financial settlement of WDR transactions for this NMI should not proceed for the settlement date and trading interval. Possible values are 1 and 0.
BASELINECALCULATIONID	VARCHAR2(100)		A reference to the baseline run that produced the baseline quantity for this NMI and interval

19 Package: MTPASA

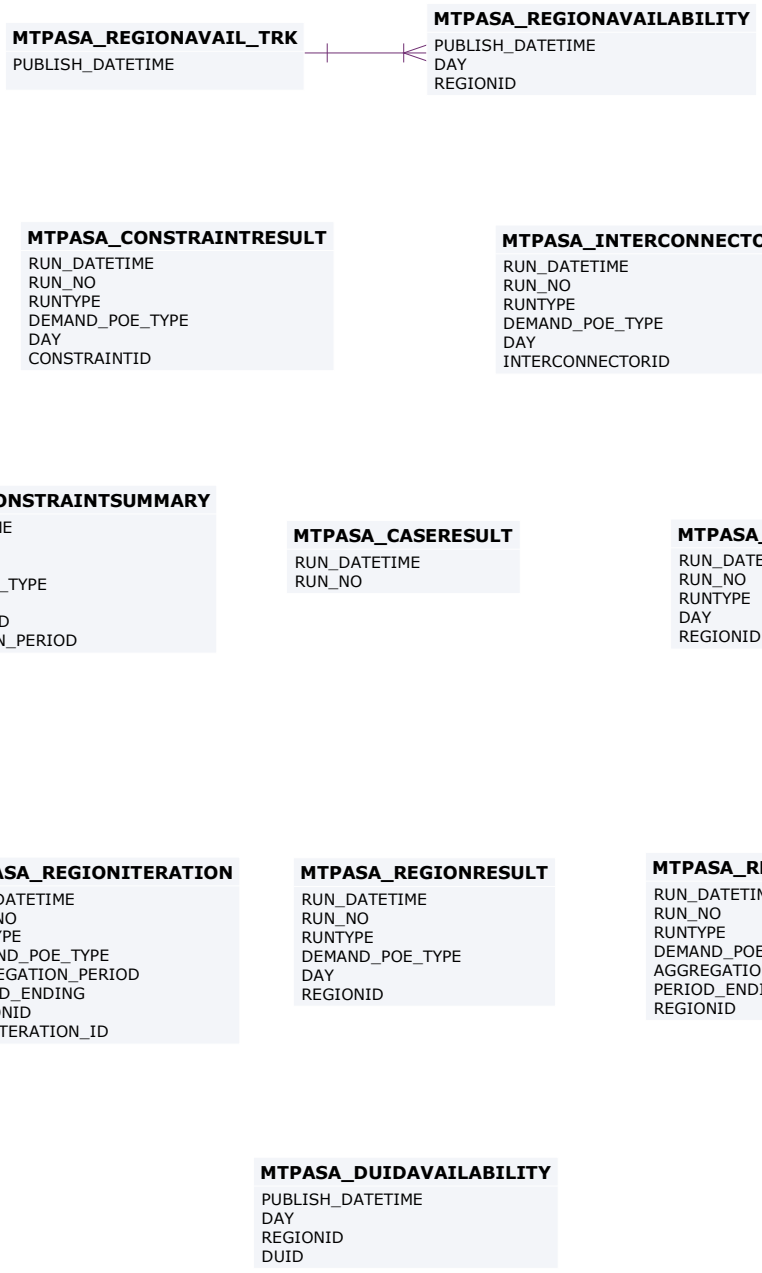
Name MTPASA

Comment Results from a published Medium Term PASA Run and region-aggregate offered PASA Availability of scheduled generators

19.1 List of tables

Name	Comment	Visibility
MTPASA_CASERESULT	MTPASA solution header table	Public
MTPASA_CONSTRAINTRESULT	Constraint results for Binding or Violating Constraints	Public
MTPASA_CONSTRAINTSUMMARY	Constraint Summary results over aggregation periods	Public
MTPASA_DUIDAVAILABILITY	Offered PASA Availability of the scheduled generator DUID for each day over the Medium Term PASA period. The data in this table is input data to the MT PASA process it is not part of the MTPASA solution. The availability does not reflect any energy limitations in the MT PASA offers	Public
MTPASA_INTERCONNECTORRESULT	Interconnector results for interval of max demand per day	Public
MTPASA_LOLPRESULT	Results for Loss of Load Probability (LOLP) run per day	Public
MTPASA_REGIONAVAIL_TRK	The tracking table to assist in versioning of the region-aggregate offered PASA Availability data published to the MTPASA_REGIONAVAILABILITY table.	Public
MTPASA_REGIONAVAILABILITY	Stores the Region-aggregate offered PASA Availability of scheduled generators for each day over the Medium Term PASA period. The data in this table is an aggregate of input data to the MT PASA process it is not part of the MTPASA solution. The aggregate availability does not reflect any energy limitations in the MT PASA offers.	Public
MTPASA_REGIONITERATION	Region results for Unserved Energy (USE)	Public
MTPASA_REGIONRESULT	Region results for interval of max demand per day.	Public
MTPASA_REGIONSUMMARY	Region Results summary over aggregation periods.	Public

19.2 Diagram: Entities: MT PASA



19.3 Table: MTPASA_CASERESULT

19.3.1 MTPASA_CASERESULT

Name	MTPASA_CASERESULT
Comment	MTPASA solution header table

19.3.2 Description

MTPASA_CASERESULT is public data.

Holds one Record for entire solution

19.3.3 Notes

Name	Comment	Value
Visibility		Public

19.3.4 Primary Key Columns

Name
RUN_DATETIME
RUN_NO

19.3.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
PLEXOS_VERSION	VARCHAR2(20)		Version of PLEXOS used
LASTCHANGED	DATE		Last date and time record changed

19.4 Table: MTPASA_CONSTRAINTRESULT

19.4.1 MTPASA_CONSTRAINTRESULT

Name	MTPASA_CONSTRAINTRESULT
Comment	Constraint results for Binding or Violating Constraints

19.4.2 Description

MTPASA_CONSTRAINTRESULT is public data.

19.4.3 Notes

Name	Comment	Value
Visibility		Public

19.4.4 Primary Key Columns

Name
CONSTRAINTID
DAY
DEMAND_POE_TYPE
RUN_DATETIME
RUN_NO
RUNTYPE

19.4.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always RELIABILITY

DEMAND_POE_TYPE	VARCHAR2(20)	X	Demand POE type used. Value is POE10
DAY	DATE	X	Day this result is for
CONSTRAINTID	VARCHAR2(20)	X	The unique identifier for the constraint. Only binding or violating constraints are reported
EFFECTIVEDATE	DATE		The effective date of the constraint used
VERSIONNO	NUMBER(3,0)		The version of the constraint used
PERIODID	NUMBER(3,0)		Half hourly period reported, selected as period of maximum NEM scheduled demand (calculated as maximum of scheduled demands, averaged across iterations and reference years)
PROBABILITYOFBINDING	NUMBER(8,5)		Proportion of a constraint binding, across iterations and reference years
PROBABILITYOFVIOLATION	NUMBER(8,5)		Proportion of a constraint violating, across iterations and reference years
CONSTRAINTVIOLATION90	NUMBER(12,2)		The 90th percentile violation degree for this constraint, across iterations and reference years (MW)
CONSTRAINTVIOLATION50	NUMBER(12,2)		The 50th percentile violation degree for this constraint, across iterations and reference years (MW)
CONSTRAINTVIOLATION10	NUMBER(12,2)		The 10th percentile violation degree for this constraint, across iterations and reference years (MW)
LASTCHANGED	DATE		Last date and time record changed

19.5 Table: MTPASA_CONSTRAINTSUMMARY

19.5.1 MTPASA_CONSTRAINTSUMMARY

Name MTPASA_CONSTRAINTSUMMARY

Comment Constraint Summary results over aggregation periods

19.5.2 Description

MTPASA_CONSTRAINTSUMMARY is public data.

19.5.3 Notes

Name	Comment	Value
Visibility		Public

19.5.4 Primary Key Columns

Name
AGGREGATION_PERIOD
CONSTRAINTID
DAY
DEMAND_POE_TYPE
RUN_DATETIME
RUN_NO
RUNTYPE

19.5.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	VARCHAR2(20)	X	Demand POE type used. Value is POE10
DAY	DATE	X	Day this result is for
CONSTRAINTID	VARCHAR2(20)	X	The unique identifier for the constraint. Only binding or violating constraints are reported
EFFECTIVEDATE	DATE		The effective date of the constraint used
VERSIONNO	NUMBER(3,0)		The version of the constraintID

AGGREGATION_PERIOD	VARCHAR2(20)	X	Period data is aggregated over. Values are PEAK, SHOULDER, OFFPEAK. PEAK = 14:00-19:59, SHOULDER = 07:00-13:59 and 20:00-21:59, OFFPEAK = 22:00-06:59
CONSTRAINTHOURSBINDING	NUMBER(12,2)		Constraint hours binding or violating for period, averaged across iterations and reference years
LASTCHANGED	DATE		Last date and time record changed

19.6 Table: MTPASA_DUIDAVAILABILITY

19.6.1 MTPASA_DUIDAVAILABILITY

Name MTPASA_DUIDAVAILABILITY

Comment Offered PASA Availability of the scheduled generator DUID for each day over the Medium Term PASA period. The data in this table is input data to the MT PASA process it is not part of the MTPASA solution. The availability does not reflect any energy limitations in the MT PASA offers

19.6.2 Notes

Name	Comment	Value
Visibility		Public

19.6.3 Primary Key Columns

Name

DAY

DUID

PUBLISH_DATETIME

REGIONID

19.6.4 Content

Name	Data Type	Mandato	Comment

		ry	
PUBLISH_DATETIME	DATE	X	Date Time the report was published.
DAY	DATE	X	Date on which the PASA availability of DUID applies.
REGIONID	VARCHAR2(20)	X	NEM Region.
DUID	VARCHAR2(20)	X	NEM DUID.
PASAAVAILABILITY	NUMBER(12,0)		Offered PASA Availability of Scheduled generator DUID for the day.
LATEST_OFFER_DATETIME	DATE		Date Time of the latest offer used for DUID for this date.
LASTCHANGED	DATE		Last date and time record changed
CARRYOVERSTATUS	NUMBER(1,0)		Status of a reported capacity value (e.g. 1 for Yes, 0 for No)
PASAUNITSTATE	VARCHAR2(20)		The unit state value
PASARECALLTIME	NUMBER(4)		The recall time value

19.7 Table: MTPASA_INTERCONNECTORRESULT

19.7.1 MTPASA_INTERCONNECTORRESULT

Name	MTPASA_INTERCONNECTORRESULT
Comment	Interconnector results for interval of max demand per day

19.7.2 Description

MTPASA_INTERCONNECTORRESULT is public data.

19.7.3 Notes

Name	Comment	Value
Visibility		Public

19.7.4 Primary Key Columns

Name

DAY

DEMAND_POE_TYPE

INTERCONNECTORID

RUN_DATETIME

RUN_NO

RUNTYPE

19.7.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	VARCHAR2(20)	X	Demand POE type used. Value is POE10
DAY	DATE	X	Day this result is for
INTERCONNECTORID	VARCHAR2(20)	X	The unique identifier for the interconnector
PERIODID	NUMBER(3,0)		Half hourly period reported, selected as period of maximum NEM scheduled demand (calculated as maximum of scheduled demands, averaged across iterations and reference years)
FLOW90	NUMBER(12,2)		The 90th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW)
FLOW50	NUMBER(12,2)		The 50th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW)
FLOW10	NUMBER(12,2)		The 10th percentile for flows, across iterations and reference years. Positive values indicate

			exporting, negative values indicate importing (MW)
PROBABILITYOFBINDINGEXPORT	NUMBER(8,5)		Proportion of iterations and reference years with interconnector constrained when exporting
PROBABILITYOFBINDINGIMPORT	NUMBER(8,5)		Proportion of iterations and reference years with interconnector constrained when importing
CALCULATEDEXPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit, averaged across iterations and reference years
CALCULATEDIMPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit, averaged across iterations and reference years
LASTCHANGED	DATE		Last date and time record changed

19.8 Table: MTPASA_LOLPRESULT

19.8.1 MTPASA_LOLPRESULT

Name	MTPASA_LOLPRESULT
Comment	Results for Loss of Load Probability (LOLP) run per day

19.8.2 Description

MTPASA_LOLPRESULT is public data.

19.8.3 Notes

Name	Comment	Value
Visibility		Public

19.8.4 Primary Key Columns

Name

DAY

REGIONID

RUN_DATETIME

RUN_NO

RUNTYPE

19.8.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always LOLP
DAY	DATE	X	Day this result is for
REGIONID	VARCHAR2(20)	X	The unique region identifier
WORST_INTERVAL_PERIODID	NUMBER(3,0)		The half hourly interval period with the highest LOLP, or highest region demand if LOLP = 0 for all intervals (1..48)
WORST_INTERVAL_DEMAND	NUMBER(12,2)		The Abstract Operational Demand for the worst interval in this region (MW)
WORST_INTERVAL_INTGEN	NUMBER(12,2)		The half hourly aggregate intermittent generation for the worst interval in this region (MW)
WORST_INTERVAL_DSP	NUMBER(12,2)		The half hourly aggregate demand side participation for the worst interval period in this region (MW)
LOSSOFLOADPROBABILITY	NUMBER(8,5)		Loss of Load Probability for the worst interval in this region
LOSSOFLOADMAGNITUDE	VARCHAR2(20)		Loss of Load Magnitude for the worst interval in this region. Values are LOW, MEDIUM, HIGH
LASTCHANGED	DATE		Last date and time record changed

19.9 Table: MTPASA_REGIONAVAIL_TRK

19.9.1 MTPASA_REGIONAVAIL_TRK

Name	MTPASA_REGIONAVAIL_TRK
Comment	The tracking table to assist in versioning of the region-aggregate offered PASA Availability data published to the MTPASA_REGIONAVAILABILITY table.

19.9.2 Notes

Name	Comment	Value
Visibility		Public

19.9.3 Primary Key Columns

Name
PUBLISH_DATETIME

19.9.4 Content

Name	Data Type	Mandatory	Comment
PUBLISH_DATETIME	DATE	X	Date Time the report was published.
STARTDATE	DATE		First date of the report inclusive.
ENDDATE	DATE		Last date of the report inclusive.
LATEST_OFFER_DATETIME	DATE		Date Time of the latest offer used in the report.

19.10 Table: MTPASA_REGIONAVAILABILITY

19.10.1 MTPASA_REGIONAVAILABILITY

Name	MTPASA_REGIONAVAILABILITY
Comment	Stores the Region-aggregate offered PASA Availability of scheduled generators for each day over the Medium Term PASA period. The data in this table is an aggregate of input data to the MT PASA process it is not part of the MTPASA solution. The aggregate

availability does not reflect any energy limitations in the MT PASA offers.

19.10.2 Description

MTPASA_REGIONAVAILABILITY is public data.

19.10.3 Notes

Name	Comment	Value
Visibility		Public

19.10.4 Primary Key Columns

Name

DAY

PUBLISH_DATETIME

REGIONID

19.10.5 Content

Name	Data Type	Mandatory	Comment
PUBLISH_DATETIME	DATE	X	Date Time the report was published.
DAY	DATE	X	Date on which the aggregation applies.
REGIONID	VARCHAR2(20)	X	NEM Region.
PASAAVAILABILITY_SCHEDULED	NUMBER(12,0)		Aggregate of the offered PASA Availability for all Scheduled generators in this region.
LATEST_OFFER_DATETIME	DATE		Date Time of the latest offer used in the aggregation for this region and date.
ENERGYUNCONSTRAINEDCAPACITY	NUMBER(12,0)		Region energy unconstrained MW capacity
ENERGYCONSTRAINEDCAPACITY	NUMBER(12,0)		Region energy constrained MW capacity
NONSCHEDULEDGENERATION	NUMBER(12,2)		Allowance made for non-scheduled generation in the demand forecast (MW)

DEMAND10	NUMBER(12,2)		10% probability demand (ex non-scheduled demand)
DEMAND50	NUMBER(12,2)		50% probability demand (ex non-scheduled demand)
ENERGYREQDEMAND10	NUMBER(12,2)		Total weekly operational as generated consumption (POE 10)
ENERGYREQDEMAND50	NUMBER(12,2)		Total weekly operational as generated consumption (POE 50)
LASTCHANGED	DATE		Last date and time record changed
DEMAND10MIN	NUMBER(12,2)		Minimum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P10 traces (MW).
DEMAND10MAX	NUMBER(12,2)		Maximum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P10 traces (MW).
DEMAND50MIN	NUMBER(12,2)		Minimum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P50 traces (MW).
DEMAND50MAX	NUMBER(12,2)		Maximum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P50 traces (MW).
CARRYOVERCAPACITY	NUMBER(12,0)		Split of the CARRYOVER component of aggregate capacity vs the currently reported capacity.

19.11 Table: MTPASA_REGIONITERATION

19.11.1 MTPASA_REGIONITERATION

Name MTPASA_REGIONITERATION

Comment Region results for Unserved Energy (USE)

19.11.2 Description

MTPASA_REGIONITERATION is public data.

19.11.3 Notes

Name	Comment	Value
Visibility		Public

19.11.4 Primary Key Columns

Name
AGGREGATION_PERIOD
DEMAND_POE_TYPE
PERIOD_ENDING
REGIONID
RUN_DATETIME
RUN_NO
RUNTYPE
USE_ITERATION_ID

19.11.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	VARCHAR2(20)	X	Demand POE type used. Value is POE10 or POE50
AGGREGATION_PERIOD	VARCHAR2(20)	X	Period data is aggregated over. Values are YEAR
PERIOD_ENDING	DATE	X	Datetime of day at end of period (i.e. last day of year reported)
REGIONID	VARCHAR2(20)	X	The unique region identifier

USE_ITERATION_ID	NUMBER(5)	X	Iteration ID, only produced for iterations showing unserved energy>0
USE_ITERATION_EVENT_NUMBER	NUMBER(12,2)		Number of half hours showing unserved energy over year, for iteration
USE_ITERATION_EVENT_AVERAGE	NUMBER(12,2)		Average unserved energy event size for iteration over year (MW)
LASTCHANGED	DATE		Last date and time record changed

19.12 Table: MTPASA_REGIONRESULT

19.12.1 MTPASA_REGIONRESULT

Name	MTPASA_REGIONRESULT
Comment	Region results for interval of max demand per day.

19.12.2 Description

MTPASA_REGIONRESULT is public data.

19.12.3 Notes

Name	Comment	Value
Visibility		Public

19.12.4 Primary Key Columns

Name
DAY
DEMAND_POE_TYPE
REGIONID
RUN_DATETIME
RUN_NO
RUNTYPE

19.12.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	VARCHAR2(20)	X	Demand POE type used. Value is POE10
DAY	DATE	X	Day this result is for
REGIONID	VARCHAR2(20)	X	The unique region identifier
PERIODID	NUMBER(3,0)		Half hourly period reported, selected as period of maximum NEM scheduled demand (calculated as maximum of scheduled demands, averaged across iterations and reference years)
DEMAND	NUMBER(12,2)		Demand value from selected half hourly interval (MW)
AGGREGATEINSTALLEDCAPACITY	NUMBER(12,2)		The total installed capacity of all generation (MW)
NUMBEROFITERATIONS	NUMBER(12,2)		Total number of iterations and reference years performed
USE_NUMBEROFITERATIONS	NUMBER(12,2)		Number of iterations and reference years with unserved energy>0
USE_MAX	NUMBER(12,2)		Maximum unserved energy, across iterations and reference years (MW)
USE_UPPERQUARTILE	NUMBER(12,2)		Upper quartile unserved energy, across iterations and reference years (MW)
USE_MEDIAN	NUMBER(12,2)		Median unserved energy, across iterations and reference years (MW)
USE_LOWERQUARTILE	NUMBER(12,2)		Lower quartile unserved energy, across iterations and reference years (MW)
USE_MIN	NUMBER(12,2)		Minimum unserved energy, across iterations and reference years (MW)

USE_AVERAGE	NUMBER(12,2)		Average unserved energy, across iterations and reference years (MW)
USE_EVENT_AVERAGE	NUMBER(12,2)		Average unserved energy event size, across iterations and reference years (MW)
TOTALSCHEDULEDGEN90	NUMBER(12,2)		The 90th percentile for scheduled generation across iterations and reference years (MW)
TOTALSCHEDULEDGEN50	NUMBER(12,2)		The 50th percentile for scheduled generation across iterations and reference years (MW)
TOTALSCHEDULEDGEN10	NUMBER(12,2)		The 10th percentile for scheduled generation across iterations and reference years (MW)
TOTALINTERMITTENTGEN90	NUMBER(12,2)		The 90th percentile for intermittent generation, across iterations and reference years (MW)
TOTALINTERMITTENTGEN50	NUMBER(12,2)		The 50th percentile for intermittent generation, across iterations and reference years (MW)
TOTALINTERMITTENTGEN10	NUMBER(12,2)		The 10th percentile for intermittent generation, across iterations and reference years (MW)
DEMANDSIDEPARTICIPATION90	NUMBER(12,2)		The 90th percentile for demand side participation, across iterations and reference years (MW)
DEMANDSIDEPARTICIPATION50	NUMBER(12,2)		The 50th percentile for demand side participation, across iterations and reference years (MW)
DEMANDSIDEPARTICIPATION10	NUMBER(12,2)		The 10th percentile for demand side participation, across iterations and reference years (MW)
LASTCHANGED	DATE		Last date and time record changed
TOTALSEMISCHEDULEGEN90	NUMBER(12,2)		The 90% percentile for semi-scheduled generation across iterations and reference years (MW)
TOTALSEMISCHEDULEGEN50	NUMBER(12,2)		The 50% percentile for semi-scheduled generation across iterations and reference years (MW)
TOTALSEMISCHEDULEGEN10	NUMBER(12,2)		The 10% percentile for semi-scheduled generation across iterations and reference years (MW)

TOTALAVAILABLEGENMIN	NUMBER(12,2)		Minimum available capacity, across iterations and reference years (MW).
TOTALAVAILABLEGEN10	NUMBER(12,2)		The 10% percentile for available capacity, across iterations and reference years (MW).
TOTALAVAILABLEGEN50	NUMBER(12,2)		The 50% percentile for available capacity, across iterations and reference years (MW).
TOTALAVAILABLEGEN90	NUMBER(12,2)		The 90% percentile for available capacity, across iterations and reference years (MW).
TOTALAVAILABLEGENMAX	NUMBER(12,2)		Maximum available capacity, across iterations and reference years (MW).

19.13 Table: MTPASA_REGIONSUMMARY

19.13.1 MTPASA_REGIONSUMMARY

Name	MTPASA_REGIONSUMMARY
Comment	Region Results summary over aggregation periods.

19.13.2 Description

MTPASA_REGIONSUMMARY is public data.

19.13.3 Notes

Name	Comment	Value
Visibility		Public

19.13.4 Primary Key Columns

Name
AGGREGATION_PERIOD
DEMAND_POE_TYPE
PERIOD_ENDING
REGIONID

RUN_DATETIME

RUN_NO

RUNTYPE

19.13.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins.
RUN_NO	NUMBER(4)	X	Unique run id.
RUNTYPE	VARCHAR2(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	VARCHAR2(20)	X	Demand POE type used. Value are POE10, POE50
AGGREGATION_PERIOD	VARCHAR2(20)	X	Period data is aggregated over. Values are YEAR, MONTH
PERIOD_ENDING	DATE	X	Datetime of day at end of period (i.e. last day of month or year reported)
REGIONID	VARCHAR2(20)	X	The unique region identifier
NATIVEDEMAND	NUMBER(12,2)		Native demand calculated from Operational As Generated trace supplied by Energy Forecasting
USE_PERCENTILE10	NUMBER(12,2)		Unserved energy period amount at the 10th percentile of iterations and reference years (MWh)
USE_PERCENTILE20	NUMBER(12,2)		Unserved energy period amount at the 20th percentile of iterations and reference years (MWh)
USE_PERCENTILE30	NUMBER(12,2)		Unserved energy period amount at the 30th percentile of iterations and reference years (MWh)
USE_PERCENTILE40	NUMBER(12,2)		Unserved energy period amount at the 40th percentile of iterations and reference years (MWh)
USE_PERCENTILE50	NUMBER(12,2)		Unserved energy period amount at the 50th percentile of iterations and reference years

			(MWh)
USE_PERCENTILE60	NUMBER(12,2)		Unserved energy period amount at the 60th percentile of iterations and reference years (MWh)
USE_PERCENTILE70	NUMBER(12,2)		Unserved energy period amount at the 70th percentile of iterations and reference years (MWh)
USE_PERCENTILE80	NUMBER(12,2)		Unserved energy period amount at the 80th percentile of iterations and reference years (MWh)
USE_PERCENTILE90	NUMBER(12,2)		Unserved energy period amount at the 90th percentile of iterations and reference years (MWh)
USE_PERCENTILE100	NUMBER(12,2)		Unserved energy period amount at the 100th percentile of iterations and reference years (MWh)
USE_AVERAGE	NUMBER(12,2)		Average period unserved energy across iterations and reference years (MWh)
NUMBEROFITERATIONS	NUMBER(12,2)		Total number of iterations and reference years performed
USE_NUMBEROFITERATIONS	NUMBER(12,2)		Number of iterations and reference years showing unserved energy
USE_EVENT_MAX	NUMBER(12,2)		Maximum unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW)
USE_EVENT_UPPERQUARTILE	NUMBER(12,2)		Upper quartile unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW)
USE_EVENT_MEDIAN	NUMBER(12,2)		Median unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW)
USE_EVENT_LOWERQUARTILE	NUMBER(12,2)		Lower quartile unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW)
USE_EVENT_MIN	NUMBER(12,2)		Minimum unserved energy event size across all half hourly intervals and iterations and

			reference years that have unserved energy>0 (MW)
WEIGHT	NUMBER(16,6)		Fixed Values of 0.696 for 50 POE and 0.304 for 10 POE.
USE_WEIGHTED_AVG	NUMBER(16,6)		Weighted average USE per region = (USE_AVERAGE_POE10/NATIVE_DEMAND_POE_10*WEIGHT_POE_10 + USE_AVERAGE_POE50/NATIVE_DEMAND_POE_50*WEIGHT_POE_50)*100
LRC	NUMBER(12,2)		LRC Condition reported (Value=1) if USE_WEIGHTED_AVG >= 0.002% otherwise (Value=0)
LASTCHANGED	DATE		Last date and time record changed

20 Package: P5MIN

Name P5MIN

Comment Results from a published Five-Minute Predispatch Run

20.1 List of tables

Name	Comment	Visibility
P5MIN_BLOCKEDCONSTRAINT	P5MIN Blocked Constraints lists any constraints that were blocked in a P5MIN run. If no constraints are blocked, there will be no rows for that 5 minute predispatch run.	Public
P5MIN_CASESOLUTION	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_CASESOLUTION shows one record containing results pertaining to the entire solution.	Public
P5MIN_CONSTRAINTSOLUTION	The Five-Minute Pre-Dispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The Five-Minute Pre-dispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.	Private & Public
P5MIN_FCAS_REQ_CONSTRAINT	The constraint level FCAS cost / price details for constraint FCAS processor runs. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.	Public
P5MIN_FCAS_REQ_RUN	The constraint FCAS processor run details. This enhanced output table format is established for the	Public

	constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.	
P5MIN_INTERCONNECTORSOLN	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_INTERCONNECTORSOLN sets out the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.	Public
P5MIN_INTERMITTENT_FCST_TRK	Uniquely tracks which Intermittent Generation forecast run (from INTERMITTENT_GEN_FCST_P5_RUN) was used for the DUID in which 5-Minute Pre-dispatch run.	Private & Public Next-Day
P5MIN_INTERSENSITIVITIES	Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND	Public
P5MIN_LOCAL_PRICE	Sets out local pricing offsets associated with each DUID connection point for each dispatch period	Public
P5MIN_PRICESENSITIVITIES	Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND	Public
P5MIN_REGIONSOLUTION	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study.	Public
P5MIN_ROOFTOP_PV_FCST_TRK	Uniquely tracks which Rooftop PV forecast run (from ROOFTOP_PV_FCST_P5_RUN) was used for the Area in which 5-Minute Pre-dispatch run.	Public

P5MIN_SCENARIODEMAND	The P5Min scenario MW offsets	Public
P5MIN_SCENARIODEMANDTRK	Tracks the 5Min scenario offset updates across time	Public
P5MIN_UNITSOLUTION	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_UNITSOLUTION shows the Unit results from the capacity evaluations for each period of the study.	Private

20.2 Diagram: Entities: P5MIN



20.3 Table: P5MIN_BLOCKEDCONSTRAINT

20.3.1 P5MIN_BLOCKEDCONSTRAINT

Name	P5MIN_BLOCKEDCONSTRAINT
Comment	P5MIN Blocked Constraints lists any constraints that were blocked in a P5MIN run. If no constraints are blocked, there will be no rows for that 5 minute predispatch run.

20.3.2 Notes

Name	Comment	Value
Visibility		Public

20.3.3 Primary Key Columns

Name
CONSTRAINTID
RUN_DATETIME

20.3.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	5-minute Predispatch Run
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint identifier (synonymous with GenConID)

20.4 Table: P5MIN_CASESOLUTION

20.4.1 P5MIN_CASESOLUTION

Name	P5MIN_CASESOLUTION
Comment	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a

total of twelve periods.

P5MIN_CASESOLUTION shows one record containing results pertaining to the entire solution.

20.4.2 Description

P5MIN_CASESOLUTION data is public, so is available to all participants.

Source

P5MIN_CASESOLUTION updates every 5 minutes.

Volume

Rows per day: 288

20.4.3 Notes

Name	Comment	Value
Visibility		Public

20.4.4 Primary Key Columns

Name
RUN_DATETIME

20.4.5 Index Columns

Name
LASTCHANGED

20.4.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
STARTINTERVAL_DATETIME	VARCHAR2(20)		Date and Time of first interval in study
TOTALOBJECTIVE	NUMBER(27,10)		The Objective function from the LP

NONPHYSICALLOSSES	NUMBER(1,0)		Flag to indicate non-physical losses occurred in this study
TOTALAREAGENVIOLATION	NUMBER(15,5)		Sum of Regional Energy balance violations
TOTALINTERCONNECTORVIOLATION	NUMBER(15,5)		Sum of Interconnector violations of standing data limits
TOTALGENERICVIOLATION	NUMBER(15,5)		Sum of Generic Constraint violations
TOTALRAMPRATEVIOLATION	NUMBER(15,5)		Sum of Unit Ramp Rate violations
TOTALUNITMWCAPACITYVIOLATION	NUMBER(15,5)		Sum of unit capacity violations
TOTAL5MINVIOLATION	NUMBER(15,5)		Sum of regional 5 min FCAS violations
TOTALREGVIOLATION	NUMBER(15,5)		Sum of regional regulation FCAS violations
TOTAL6SECVIOLATION	NUMBER(15,5)		Sum of regional 6 sec FCAS violations
TOTAL60SECVIOLATION	NUMBER(15,5)		Sum of regional 60 sec FCAS violations
TOTALENERGYCONSTRVIOLATION	NUMBER(15,5)		Sum of unit energy constrained violations
TOTALENERGYOFFERVIOLATION	NUMBER(15,5)		Sum of unit offer violations
TOTALASPROFILEVIOLATION	NUMBER(15,5)		Sum of unit FCAS profile offer violations
TOTALFASTSTARTVIOLATION	NUMBER(15,5)		Sum of unit Fast start profile violations
LASTCHANGED	DATE		Last changed date and time of this record
INTERVENTION	Number(2,0)		Flag to indicate if this Predispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run. This field has a default value of 0 and is not nullable

20.5 Table: P5MIN_CONSTRAINTSOLUTION

20.5.1 P5MIN_CONSTRAINTSOLUTION

Name P5MIN_CONSTRAINTSOLUTION

Comment The Five-Minute Pre-Dispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The Five-Minute Pre-dispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a

total of twelve periods.

P5MIN_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.

20.5.2 Description

P5MIN_CONSTRAINTSOLUTION is public data, so is available to all participants.

Source

P5MIN_CONSTRAINTSOLUTION updates every five minutes.

Volume

Rows per day: ~2.3 million

20.5.3 Notes

Name	Comment	Value
Visibility		Private & Public

20.5.4 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME

20.5.5 Index Columns

Name
LASTCHANGED

20.5.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this

			study
CONSTRAINTID	VARCHAR2(20)	X	Constraint identifier (synonymous with GenConID)
RHS	NUMBER(15,5)		Right Hand Side value in the capacity evaluation
MARGINALVALUE	NUMBER(15,5)		Marginal cost of constraint (>0 if binding)
VIOLATIONDEGREE	NUMBER(15,5)		Amount of Violation (>0 if violating)
LASTCHANGED	DATE		Last date and time record changed
DUID	VARCHAR2(20)		DUID to which the Constraint is confidential. Null denotes non-confidential
GENCONID_EFFECTIVEDATE	DATE		Effective date of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval
GENCONID_VERSIONNO	NUMBER(22,0)		Version number of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval
LHS	number(15,5)		Aggregation of the constraints LHS term solution values
INTERVENTION	Number(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run(INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0)

20.6 Table: P5MIN_FCAS_REQ_CONSTRAINT

20.6.1 P5MIN_FCAS_REQ_CONSTRAINT

Name P5MIN_FCAS_REQ_CONSTRAINT

Comment The constraint level FCAS cost / price details for constraint FCAS processor runs. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.

20.6.2 Notes

Name	Comment	Value
Visibility		Public

20.6.3 Primary Key Columns

Name

BIDTYPE

CONSTRAINTID

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

RUNNO

20.6.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the 5 minute predispatch case that triggers the constraint FCAS processor run
RUNNO	NUMBER(5)	X	The 5 minute predispatch case run number that has triggers the constraint FCAS processor run
INTERVAL_DATETIME	DATE	X	The 5 minute interval date and time of the 5 minute predispatch interval that was processed by the constraint FCAS processor
CONSTRAINTID	VARCHAR2(20)	X	ConstraintID join to table GenConData
REGIONID	VARCHAR2(20)	X	Region identifier
BIDTYPE	VARCHAR2(10)	X	DUID offered type
LHS	NUMBER(15,5)		Constraints summed LHS - aggregate LHS Solution values from the physical run from the

			P5MIN_CONSTRAINTSOLUTION table
RHS	NUMBER(15,5)		Constraints RHS value used in the solution - may be either dynamic (calculated) or static from the physical run from the P5MIN_CONSTRAINTSOLUTION table
MARGINALVALUE	NUMBER(15,5)		Shadow price of constraint from the P5MIN_CONSTRAINTSOLUTION table from the physical run.
RRP	NUMBER(15,5)		Bid type prices for the region coming from the pricing run of the P5MIN_REGIONSOLUTION table
REGIONAL_ENABLEMENT	NUMBER(15,5)		The dispatched MW for the bid type inside the region from the physical run of the P5MIN_REGIONSOLUTION table
CONSTRAINT_ENABLEMENT	NUMBER(15,5)		MW enabled for this bid type within the constraint
REGION_BASE_COST	NUMBER(18,8)		The regional payment allocated to the constraint for the interval pro- rated based on marginal value ratios over the binding constraints for that service in that region (this is an intermediate calculation to get to the base cost)
BASE_COST	NUMBER(18,8)		The base cost of the constraint, before the regulation/contingency split
ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, after the regulation/contingency split
P_REGULATION	NUMBER(18,8)		The adjusted marginal value of the constraint for FPP recovery (blank for constraints without REG terms)

20.7 Table: P5MIN_FCAS_REQ_RUN

20.7.1 P5MIN_FCAS_REQ_RUN

Name P5MIN_FCAS_REQ_RUN

Comment The constraint FCAS processor run details. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs /

prices.

20.7.2 Notes

Name	Comment	Value
Visibility		Public

20.7.3 Primary Key Columns

Name
RUN_DATETIME
RUNNO

20.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the 5 minute predispatch case that triggers the constraint FCAS processor run
RUNNO	NUMBER(5)	X	The 5 minute predispatch case run number that has triggers the constraint FCAS processor run
LASTCHANGED	DATE		The last time the constraint FCAS processor was executed for this case run time.

20.8 Table: P5MIN_INTERCONNECTORSOLN

20.8.1 P5MIN_INTERCONNECTORSOLN

Name	P5MIN_INTERCONNECTORSOLN
Comment	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_INTERCONNECTORSOLN sets out the results of the capacity evaluation for

Interconnectors, including the calculated limits for the interval.

20.8.2 Description

P5MIN_INTERCONNECTORSOLN is public data, so is available to all participants.

Source

P5MIN_INTERCONNECTORSOLN updates every 5 minutes.

Volume

Rows per day: 1440

Based on 200 interconnector/binding constraints per interval

20.8.3 Notes

Name	Comment	Value
Visibility		Public

20.8.4 Primary Key Columns

Name
INTERCONNECTORID
INTERVAL_DATETIME
RUN_DATETIME

20.8.5 Index Columns

Name
LASTCHANGED

20.8.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier

INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
METEREDMWFLOW	NUMBER(15,5)		SCADA MW Flow measured at Run start. For periods subsequent to the first period of a P5MIN run, this value represents the cleared target for the previous period of that P5MIN run.
MWFLOW	NUMBER(15,5)		Cleared Interconnector loading level (MW)
MWLOSSES	NUMBER(15,5)		Interconnector Losses at cleared flow
MARGINALVALUE	NUMBER(15,5)		Marginal cost of Interconnector standing data limits (if binding)
VIOLATIONDEGREE	NUMBER(15,5)		Violation of Interconnector standing data limits
MNSP	NUMBER(1,0)		Flag indicating MNSP registration
EXPORTLIMIT	NUMBER(15,5)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
IMPORTLIMIT	NUMBER(15,5)		Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow.
MARGINALLOSS	NUMBER(15,5)		Marginal loss factor at the cleared flow
EXPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the export limit
IMPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy + Frequency Controlled Ancillary Services.
FCASIMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy + Frequency Controlled Ancillary Services.
LASTCHANGED	DATE		Last changed date of this record
LOCAL_PRICE_ADJUSTMENT_EXPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINED_EXPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Export: 2 = at

			least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
LOCAL_PRICE_ADJUSTMENT_IMPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINED_IMPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
INTERVENTION	Number(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0)

20.9 Table: P5MIN_INTERMITTENT_FCST_TRK

20.9.1 P5MIN_INTERMITTENT_FCST_TRK

Name	P5MIN_INTERMITTENT_FCST_TRK
Comment	Uniquely tracks which Intermittent Generation forecast run (from INTERMITTENT_GEN_FCST_P5_RUN) was used for the DUID in which 5-Minute Pre-dispatch run.

20.9.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

20.9.3 Primary Key Columns

Name
DUID
RUN_DATETIME

20.9.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Datetime (interval ending) of the 5-Minute Pre-dispatch run.
DUID	VARCHAR2(20)	X	Dispatchable unit identifier, tracks to INTERMITTENT_GEN_FCST_P5_RUN.DUID.
FORECAST_RUN_DATETIME	DATE		Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime, unless a forecast run is missed in which case the previous run is used. Tracks to INTERMITTENT_GEN_FCST_P5_RUN.FORECAST_RUN_DATETIME.
PROVIDERID	VARCHAR2(20)		Provider of the forecast run used for the 5MPD run, tracks to INTERMITTENT_GEN_FCST_P5_RUN.PROVIDERID.
FORECAST_PRIORITY	NUMBER(10,0)		Priority of the forecast run used for the 5MPD run, tracks to INTERMITTENT_GEN_FCST_P5_RUN.FORECAST_PRIORITY.
OFFERDATETIME	DATE		Submission datetime of the forecast run used for the 5MPD run, tracks to INTERMITTENT_GEN_FCST_P5_RUN.OFFERDATETIME.

20.10 Table: P5MIN_INTERSENSITIVITIES

20.10.1 P5MIN_INTERSENSITIVITIES

Name P5MIN_INTERSENSITIVITIES

Comment Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND

20.10.2 Notes

Name Comment Value

Visibility	Public

20.10.3 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

20.10.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Definitive Run from which this solution derives
INTERCONNECTORID	VARCHAR2(20)	X	Interconnector identifier
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
INTERVENTION	NUMBER(1,0)	X	Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0)
INTERVENTION_ACTIVE	NUMBER(1,0)		Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes
MWFLOW1	NUMBER(15,5)		MW Flow value. Flow1 = MW flow for given Interconnector for Scenario 1
MWFLOW2	NUMBER(15,5)		MW Flow value. Flow2 = MW flow for given Interconnector for Scenario 2
MWFLOW3	NUMBER(15,5)		MW Flow value. Flow3 = MW flow for given Interconnector for Scenario 3
MWFLOW4	NUMBER(15,5)		MW Flow value. Flow4 = MW flow for given Interconnector for Scenario 4
MWFLOW5	NUMBER(15,5)		MW Flow value. Flow5 = MW flow for given

			Interconnector for Scenario 5
MWFLOW6	NUMBER(15,5)		MW Flow value. Flow6 = MW flow for given Interconnector for Scenario 6
MWFLOW7	NUMBER(15,5)		MW Flow value. Flow7 = MW flow for given Interconnector for Scenario 7
MWFLOW8	NUMBER(15,5)		MW Flow value. Flow8 = MW flow for given Interconnector for Scenario 8
MWFLOW9	NUMBER(15,5)		MW Flow value. Flow9 = MW flow for given Interconnector for Scenario 9
MWFLOW10	NUMBER(15,5)		MW Flow value. Flow10 = MW flow for given Interconnector for Scenario 10
MWFLOW11	NUMBER(15,5)		MW Flow value. Flow11 = MW flow for given Interconnector for Scenario 11
MWFLOW12	NUMBER(15,5)		MW Flow value. Flow12 = MW flow for given Interconnector for Scenario 12
MWFLOW13	NUMBER(15,5)		MW Flow value. Flow13 = MW flow for given Interconnector for Scenario 13
MWFLOW14	NUMBER(15,5)		MW Flow value. Flow14 = MW flow for given Interconnector for Scenario 14
MWFLOW15	NUMBER(15,5)		MW Flow value. Flow15 = MW flow for given Interconnector for Scenario 15
MWFLOW16	NUMBER(15,5)		MW Flow value. Flow16 = MW flow for given Interconnector for Scenario 16
MWFLOW17	NUMBER(15,5)		MW Flow value. Flow17 = MW flow for given Interconnector for Scenario 17
MWFLOW18	NUMBER(15,5)		MW Flow value. Flow18 = MW flow for given Interconnector for Scenario 18
MWFLOW19	NUMBER(15,5)		MW Flow value. Flow19 = MW flow for given Interconnector for Scenario 19
MWFLOW20	NUMBER(15,5)		MW Flow value. Flow20 = MW flow for given Interconnector for Scenario 20
MWFLOW21	NUMBER(15,5)		MW Flow value. Flow21 = MW flow for given Interconnector for Scenario 21
MWFLOW22	NUMBER(15,5)		MW Flow value. Flow22 = MW flow for given Interconnector for Scenario 22

MWFLOW23	NUMBER(15,5)		MW Flow value. Flow23 = MW flow for given Interconnector for Scenario 23
MWFLOW24	NUMBER(15,5)		MW Flow value. Flow24 = MW flow for given Interconnector for Scenario 24
MWFLOW25	NUMBER(15,5)		MW Flow value. Flow25 = MW flow for given Interconnector for Scenario 25
MWFLOW26	NUMBER(15,5)		MW Flow value. Flow26 = MW flow for given Interconnector for Scenario 26
MWFLOW27	NUMBER(15,5)		MW Flow value. Flow27 = MW flow for given Interconnector for Scenario 27
MWFLOW28	NUMBER(15,5)		MW Flow value. Flow28 = MW flow for given Interconnector for Scenario 28
MWFLOW29	NUMBER(15,5)		MW Flow value. Flow29 = MW flow for given Interconnector for Scenario 29
MWFLOW30	NUMBER(15,5)		MW Flow value. Flow30 = MW flow for given Interconnector for Scenario 30
MWFLOW31	NUMBER(15,5)		MW Flow value. Flow31 = MW flow for given Interconnector for Scenario 31
MWFLOW32	NUMBER(15,5)		MW Flow value. Flow32 = MW flow for given Interconnector for Scenario 32
MWFLOW33	NUMBER(15,5)		MW Flow value. Flow33 = MW flow for given Interconnector for Scenario 33
MWFLOW34	NUMBER(15,5)		MW Flow value. Flow34 = MW flow for given Interconnector for Scenario 34
MWFLOW35	NUMBER(15,5)		MW Flow value. Flow35 = MW flow for given Interconnector for Scenario 35
MWFLOW36	NUMBER(15,5)		MW Flow value. Flow36 = MW flow for given Interconnector for Scenario 36
MWFLOW37	NUMBER(15,5)		MW Flow value. Flow37 = MW flow for given Interconnector for Scenario 37
MWFLOW38	NUMBER(15,5)		MW Flow value. Flow38 = MW flow for given Interconnector for Scenario 38
MWFLOW39	NUMBER(15,5)		MW Flow value. Flow39 = MW flow for given Interconnector for Scenario 39
MWFLOW40	NUMBER(15,5)		MW Flow value. Flow40 = MW flow for given

			Interconnector for Scenario 40
MWFLOW41	NUMBER(15,5)		MW Flow value. Flow41 = MW flow for given Interconnector for Scenario 41
MWFLOW42	NUMBER(15,5)		MW Flow value. Flow42 = MW flow for given Interconnector for Scenario 42
MWFLOW43	NUMBER(15,5)		MW Flow value. Flow43 = MW flow for given Interconnector for Scenario 43
LASTCHANGED	DATE		Timestamp when this record was last modified

20.11 Table: P5MIN_LOCAL_PRICE

20.11.1 P5MIN_LOCAL_PRICE

Name P5MIN_LOCAL_PRICE

Comment Sets out local pricing offsets associated with each DUID connection point for each dispatch period

20.11.2 Notes

Name	Comment	Value
Visibility		Public

20.11.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

20.11.4 Index Columns

Name

RUN_DATETIME

INTERVAL_DATETIME

DUID

20.11.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
DUID	VARCHAR2(20)	X	Dispatchable unit identifier
LOCAL_PRICE_ADJUSTMENT	NUMBER(10, 2)		Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints
LOCALLY_CONSTRAINED	NUMBER(1,0)		Key for Local_Price_Adjustment: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints

20.12 Table: P5MIN_PRICESENSITIVITIES

20.12.1 P5MIN_PRICESENSITIVITIES

Name P5MIN_PRICESENSITIVITIES

Comment Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND

20.12.2 Notes

Name	Comment	Value
Visibility		Public

20.12.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

20.12.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Definitive Run from which this solution derives
REGIONID	VARCHAR2(20)	X	Region
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
INTERVENTION	NUMBER(1,0)	X	Whether an Intervention constraint was defined in this run
INTERVENTION_ACTIVE	NUMBER(1,0)		Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes
RRP1	NUMBER(15,5)		Regional Reference price for scenario 1
RRP2	NUMBER(15,5)		Regional Reference price for scenario 2
RRP3	NUMBER(15,5)		Regional Reference price for scenario 3
RRP4	NUMBER(15,5)		Regional Reference price for scenario 4
RRP5	NUMBER(15,5)		Regional Reference price for scenario 5
RRP6	NUMBER(15,5)		Regional Reference price for scenario 6
RRP7	NUMBER(15,5)		Regional Reference price for scenario 7
RRP8	NUMBER(15,5)		Regional Reference price for scenario 8
RRP9	NUMBER(15,5)		Regional Reference price for scenario 9
RRP10	NUMBER(15,5)		Regional Reference price for scenario 10
RRP11	NUMBER(15,5)		Regional Reference price for scenario 11
RRP12	NUMBER(15,5)		Regional Reference price for scenario 12
RRP13	NUMBER(15,5)		Regional Reference price for scenario 13

RRP14	NUMBER(15,5)		Regional Reference price for scenario 14
RRP15	NUMBER(15,5)		Regional Reference price for scenario 15
RRP16	NUMBER(15,5)		Regional Reference price for scenario 16
RRP17	NUMBER(15,5)		Regional Reference price for scenario 17
RRP18	NUMBER(15,5)		Regional Reference price for scenario 18
RRP19	NUMBER(15,5)		Regional Reference price for scenario 19
RRP20	NUMBER(15,5)		Regional Reference price for scenario 20
RRP21	NUMBER(15,5)		Regional Reference price for scenario 21
RRP22	NUMBER(15,5)		Regional Reference price for scenario 22
RRP23	NUMBER(15,5)		Regional Reference price for scenario 23
RRP24	NUMBER(15,5)		Regional Reference price for scenario 24
RRP25	NUMBER(15,5)		Regional Reference price for scenario 25
RRP26	NUMBER(15,5)		Regional Reference price for scenario 26
RRP27	NUMBER(15,5)		Regional Reference price for scenario 27
RRP28	NUMBER(15,5)		Regional Reference price for scenario 28
RRP29	NUMBER(15,5)		Regional Reference price for scenario 29
RRP30	NUMBER(15,5)		Regional Reference price for scenario 30
RRP31	NUMBER(15,5)		Regional Reference price for scenario 31
RRP32	NUMBER(15,5)		Regional Reference price for scenario 32
RRP33	NUMBER(15,5)		Regional Reference price for scenario 33
RRP34	NUMBER(15,5)		Regional Reference price for scenario 34
RRP35	NUMBER(15,5)		Regional Reference price for scenario 35
RRP36	NUMBER(15,5)		Regional Reference price for scenario 36
RRP37	NUMBER(15,5)		Regional Reference price for scenario 37
RRP38	NUMBER(15,5)		Regional Reference price for scenario 38
RRP39	NUMBER(15,5)		Regional Reference price for scenario 39

RRP40	NUMBER(15,5)		Regional Reference price for scenario 40
RRP41	NUMBER(15,5)		Regional Reference price for scenario 41
RRP42	NUMBER(15,5)		Regional Reference price for scenario 42
RRP43	NUMBER(15,5)		Regional Reference price for scenario 43
LASTCHANGED	DATE		Timestamp when this record was last modified

20.13 Table: P5MIN_REGIONSOLUTION

20.13.1 P5MIN_REGIONSOLUTION

Name	P5MIN_REGIONSOLUTION
Comment	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study.

20.13.2 Description

P5MIN_REGIONSOLUTION is public data, so is available to all participants.

Source

P5MIN_REGIONSOLUTION updates every 5 minutes.

Volume

Rows per day: 1440

20.13.3 Notes

Name	Comment	Value
Visibility		Public

20.13.4 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

20.13.5 Index Columns

Name

LASTCHANGED

20.13.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
REGIONID	VARCHAR2(10)	X	Region Identifier
RRP	NUMBER(15,5)		Region Reference Price (Energy)
ROP	NUMBER(15,5)		Region Override Price (Energy)
EXCESSGENERATION	NUMBER(15,5)		Total Energy Imbalance (MW)
RAISE6SECRRP	NUMBER(15,5)		Region Reference Price (Raise6Sec)
RAISE6SECROP	NUMBER(15,5)		Original regional price (Raise6Sec)
RAISE60SECRRP	NUMBER(15,5)		Region Reference Price (Raise60Sec)
RAISE60SECROP	NUMBER(15,5)		Original regional price (Raise60Sec)
RAISE5MINRRP	NUMBER(15,5)		Region Reference Price (Raise5Min)
RAISE5MINROP	NUMBER(15,5)		Original regional price (Raise5Min)
RAISEREGRRP	NUMBER(15,5)		Region Reference Price (RaiseReg)

RAISEREGROP	NUMBER(15,5)		Original regional price (RaiseReg)
LOWER6SECRRP	NUMBER(15,5)		Region Reference Price (Lower6Sec)
LOWER6SECROP	NUMBER(15,5)		Original regional price (Lower6Sec)
LOWER60SECRRP	NUMBER(15,5)		Region Reference Price (Lower60Sec)
LOWER60SECROP	NUMBER(15,5)		Original regional price (Lower60Sec)
LOWER5MINRRP	NUMBER(15,5)		Region Reference Price (Lower5Min)
LOWER5MINROP	NUMBER(15,5)		Original regional price (Lower5Min)
LOWERREGRRP	NUMBER(15,5)		Region Reference Price (LowerReg)
LOWERREGROP	NUMBER(15,5)		Original regional price (LowerReg)
TOTALDEMAND	NUMBER(15,5)		Regional Demand - NB NOT net of Interconnector flows or Loads
AVAILABLEGENERATION	NUMBER(15,5)		Regional Available generation
AVAILABLELOAD	NUMBER(15,5)		Regional Available Load
DEMANDFORECAST	NUMBER(15,5)		Predicted change in regional demand for this interval
DISPATCHABLEGENERATION	NUMBER(15,5)		Regional Generation Dispatched
DISPATCHABLELOAD	NUMBER(15,5)		Regional Load Dispatched
NETINTERCHANGE	NUMBER(15,5)		Net interconnector Flows
LOWER5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	NUMBER(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW

			imported
LOWER60SECLOCALDISPATCH	NUMBER(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec local requirement
LOWER60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	NUMBER(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
RAISE5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Total Raise 5 min MW dispatch
RAISE5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	NUMBER(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min local requirement
RAISE5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	NUMBER(15,5)		Raise 50 sec local dispatch
RAISE60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec total requirement

RAISE6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISPATCH	NUMBER(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
AGGREGATEDISPATCHERROR	NUMBER(15,5)		Aggregate dispatch error applied
INITIALSUPPLY	NUMBER(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	NUMBER(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Total Lower Regulation dispatch
LOWERREGLOCALDISPATCH	NUMBER(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Total Raise Regulation dispatch
RAISEREGLOCALDISPATCH	NUMBER(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement

RAISEREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
LASTCHANGED	DATE		Last date and time record changed
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary)

			and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULE_CLEAREDMW	NUMBER(15,5)		Regional aggregated Semi-Schedule generator Cleared MW
SEMISCHEDULE_COMPLIANCEMW	NUMBER(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced
INTERVENTION	Number(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
SS_SOLAR_UIGF	Number(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is solar
SS_WIND_UIGF	Number (15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is wind
SS_SOLAR_CLEAREDMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is solar
SS_WIND_CLEAREDMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is wind
SS_SOLAR_COMPLIANCEMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is solar
SS_WIND_COMPLIANCEMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is wind
WDR_INITIALMW	NUMBER(15,5)		Regional aggregated MW value at start of interval for Wholesale Demand Response (WDR) units
WDR_AVAILABLE	NUMBER(15,5)		Regional aggregated available MW for Wholesale Demand Response (WDR) units

WDR_DISPATCHED	NUMBER(15,5)		Regional aggregated dispatched MW for Wholesale Demand Response (WDR) units
SS_SOLAR_AVAILABILITY	NUMBER(15,5)		For Semi-Scheduled units. Aggregate Energy Availability from Solar units in that region
SS_WIND_AVAILABILITY	NUMBER(15,5)		For Semi-Scheduled units. Aggregate Energy Availability from Wind units in that region
RAISE1SECRRP	NUMBER(15,5)		Regional Raise 1Sec Price - R1Price attribute after capping/flooring
RAISE1SECROP	NUMBER(15,5)		Raise1Sec Regional Original Price - uncapped/unfloored and unscaled
LOWER1SECRRP	NUMBER(15,5)		Regional Lower 1Sec Price - RegionSolution element L1Price attribute
LOWER1SECROP	NUMBER(15,5)		Lower1Sec Regional Original Price - uncapped/unfloored and unscaled
RAISE1SECLOCALDISPATCH	NUMBER(15,5)		Total Raise1Sec Dispatched in Region - RegionSolution element R1Dispatch attribute
LOWER1SECLOCALDISPATCH	NUMBER(15,5)		Total Lower1Sec Dispatched in Region - RegionSolution element L1Dispatch attribute
BDU_ENERGY_STORAGE	NUMBER(15,5)		Regional aggregated energy storage where the DUID type is BDU (MWh)
BDU_MIN_AVAIL	NUMBER(15,5)		Total available load side BDU summated for region (MW)
BDU_MAX_AVAIL	NUMBER(15,5)		Total available generation side BDU summated for region (MW)
BDU_CLEAREDMW_GEN	NUMBER(15,5)		Regional aggregated cleared MW where the DUID type is BDU. Net of export (Generation)
BDU_CLEAREDMW_LOAD	NUMBER(15,5)		Regional aggregated cleared MW where the DUID type is BDU. Net of import (Load)
BDU_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy Storage for BDU at the start of the interval(MWh) - Region Aggregated
DECGEN_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy storage for Daily Energy Constrained Scheduled Generating Units at the start of the interval(MWh) - Region Aggregated

20.14 Table: P5MIN_ROOFTOP_PV_FCST_TRK

20.14.1 P5MIN_ROOFTOP_PV_FCST_TRK

Name	P5MIN_ROOFTOP_PV_FCST_TRK
Comment	Uniquely tracks which Rooftop PV forecast run (from ROOFTOP_PV_FCST_P5_RUN) was used for the Area in which 5-Minute Pre-dispatch run.

20.14.2 Notes

Name	Comment	Value
Visibility		Public

20.14.3 Primary Key Columns

Name
AREAID
RUN_DATETIME

20.14.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Datetime (interval ending) of the 5-Minute Pre-dispatch run.
AREAID	VARCHAR2(10)	X	Area identifier aligning with the load forecasting areas, tracks to ROOFTOP_PV_FCST_P5_RUN.AREAID.
FORECAST_RUN_DATETIME	DATE		Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime, unless a forecast run is missed, in this case the previous run is used. Tracks to ROOFTOP_PV_FCST_P5_RUN.FORECAST_RUN_DATETIME.
PROVIDERID	VARCHAR2(20)		Provider identifier of the forecast run used for the DS run, tracks to ROOFTOP_PV_FCST_P5_RUN.PROVIDERID.

FORECAST_PRIORITY	NUMBER(10,0)		Priority of the forecast run used for the DS run, tracks to ROOFTOP_PV_FCST_P5_RUN.FORECAST_PRIORITY.
OFFERDATETIME	DATE		Submission datetime of the forecast run used for the DS run, tracks to ROOFTOP_PV_FCST_P5_RUN.OFFERDATETIME.

20.15 Table: P5MIN_SCENARIODEMAND

20.15.1 P5MIN_SCENARIODEMAND

Name P5MIN_SCENARIODEMAND

Comment The P5Min scenario MW offsets

20.15.2 Notes

Name	Comment	Value
Visibility		Public

20.15.3 Primary Key Columns

Name

EFFECTIVEDATE

REGIONID

SCENARIO

VERSION_DATETIME

20.15.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date of this set of scenarios
VERSION_DATETIME	DATE	X	The version of this set of scenarios

SCENARIO	NUMBER(2,0)	X	The scenario identifier
REGIONID	VARCHAR2(20)	X	The region to which to apply the deltaMW for this SCENARIO
DELTAMW	NUMBER(4,0)		The MW offset to apply to region total demand for this SCENARIO

20.16 Table: P5MIN_SCENARIODEMANDTRK

20.16.1 P5MIN_SCENARIODEMANDTRK

Name P5MIN_SCENARIODEMANDTRK

Comment Tracks the 5Min scenario offset updates across time

20.16.2 Notes

Name	Comment	Value
Visibility		Public

20.16.3 Primary Key Columns

Name

EFFECTIVEDATE

VERSION_DATETIME

20.16.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date of this set of scenarios
VERSION_DATETIME	DATE	X	The version of this set of scenarios
AUTHORISEDDATE	DATE		The datetime that the scenario update was authorised
LASTCHANGED	DATE		The datetime that the record was last changed

20.17 Table: P5MIN_UNITSOLUTION

20.17.1 P5MIN_UNITSOLUTION

Name	P5MIN_UNITSOLUTION
Comment	The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods. P5MIN_UNITSOLUTION shows the Unit results from the capacity evaluations for each period of the study.

20.17.2 Description

P5MIN_UNITSOLUTION data is confidential, so shows own details for participant.

Source

P5MIN_UNITSOLUTION updates every 5 minutes for all units, even zero targets.

Volume

Rows per day: 57600

Based on 200 units per Interval

Note

A bitwise flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The SPD Formulation document details the logic determining whether a unit is "trapped" or "stranded". The flag is defined as follows:

Flagged Condition	Bit	Description	Field value
FCAS profile active	0	The bid profile for this service has been activated such that the unit is available to be cleared to provide this ancillary service type.	1 or 3
Trapped	1	The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market.	3
Stranded	2	The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service.	4

20.17.3 Notes

Name	Comment	Value
Visibility		Private

20.17.4 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

20.17.5 Index Columns

Name

LASTCHANGED

20.17.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
CONNECTIONPOINTID	VARCHAR2(12)		Connection point identifier for DUID
TRADETYPE	NUMBER(2,0)		Generator or Load
AGCSTATUS	NUMBER(2,0)		AGC Status from EMS: 1 = on, 0 = off
INITIALMW	NUMBER(15,5)		Initial MW at start of period. For periods subsequent to the first period of a P5MIN run, this value represents the cleared target for the previous period of that P5MIN run. Negative values when Bi-directional Unit start from importing power, otherwise positive.
TOTALCLEARED	NUMBER(15,5)		Target MW for end of period. Negative values when Bi-directional Unit is importing power, otherwise positive.
RAMPDOWNRATE	NUMBER(15,5)		Ramp down rate (lessor of bid or telemetered rate).

RAMPUPRATE	NUMBER(15,5)		Ramp up rate (lessor of bid or telemetered rate).
LOWER5MIN	NUMBER(15,5)		Lower 5 min reserve target
LOWER60SEC	NUMBER(15,5)		Lower 60 sec reserve target
LOWER6SEC	NUMBER(15,5)		Lower 6 sec reserve target
RAISE5MIN	NUMBER(15,5)		Raise 5 min reserve target
RAISE60SEC	NUMBER(15,5)		Raise 60 sec reserve target
RAISE6SEC	NUMBER(15,5)		Raise 6 sec reserve target
LOWERREG	NUMBER(15,5)		Lower Regulation reserve target
RAISEREG	NUMBER(15,5)		Raise Regulation reserve target
AVAILABILITY	NUMBER(15,5)		For Scheduled units, this is the MAXAVAIL bid availability For Semi-scheduled units, this is the lower of MAXAVAIL bid availability and UIGF
RAISE6SECFLAGS	NUMBER(3,0)		Raise 6sec status flag
RAISE60SECFLAGS	NUMBER(3,0)		Raise 60sec status flag
RAISE5MINFLAGS	NUMBER(3,0)		Raise 5min status flag
RAISEREGFLAGS	NUMBER(3,0)		Raise Reg status flag
LOWER6SECFLAGS	NUMBER(3,0)		Lower 6sec status flag
LOWER60SECFLAGS	NUMBER(3,0)		Lower 60sec status flag
LOWER5MINFLAGS	NUMBER(3,0)		Lower 5min status flag
LOWERREGFLAGS	NUMBER(3,0)		Lower Reg status flag
LASTCHANGED	DATE		Last date and time record changed
SEMIDISPATCHCAP	NUMBER(3,0)		Boolean representation flagging if the Target is Capped
INTERVENTION	Number(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run(INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
DISPATCHMODETIME	NUMBER(4,0)		Minutes for which the unit has been in the

			current DISPATCHMODE. From NEMDE TRADERSOLUTION element FSTARGETMODETIME attribute.
CONFORMANCE_MODE	NUMBER(6,0)		Mode specific to units within an aggregate. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint
UIGF	NUMBER(15,5)		For Semi-Scheduled units. Unconstrained Intermittent Generation Forecast value provided to NEMDE
RAISE1SEC	NUMBER(15,5)		Dispatched Raise1Sec - TraderSolution element R1Target attribute
RAISE1SECFLAGS	NUMBER(3,0)		TraderSolution element R1Flags attribute
LOWER1SEC	NUMBER(15,5)		Dispatched Lower1Sec - TraderSolution element L1Target attribute
LOWER1SECFLAGS	NUMBER(3,0)		TraderSolution element L1Flags attribute
INITIAL_ENERGY_STORAGE	NUMBER(15,5)		The energy storage at the start of this dispatch interval(MWh)
ENERGY_STORAGE	NUMBER(15,5)		The projected energy storage based on cleared energy and regulation FCAS dispatch(MWh)
ENERGY_STORAGE_MIN	NUMBER(15,5)		BDU only - Minimum Energy Storage constraint limit (MWh)
ENERGY_STORAGE_MAX	NUMBER(15,5)		BDU only - Maximum Energy Storage constraint limit (MWh)
MIN_AVAILABILITY	NUMBER(15,5)		BDU only. Load side availability (BidOfferPeriod.MAXAVAIL where DIRECTION = LOAD).
ELEMENT_CAP	NUMBER(5,0)		Cap on the number of turbines or inverters at a DUID.

21 Package: PARTICIPANT_REGISTRATION

Name PARTICIPANT_REGISTRATION

Comment Participant registration data

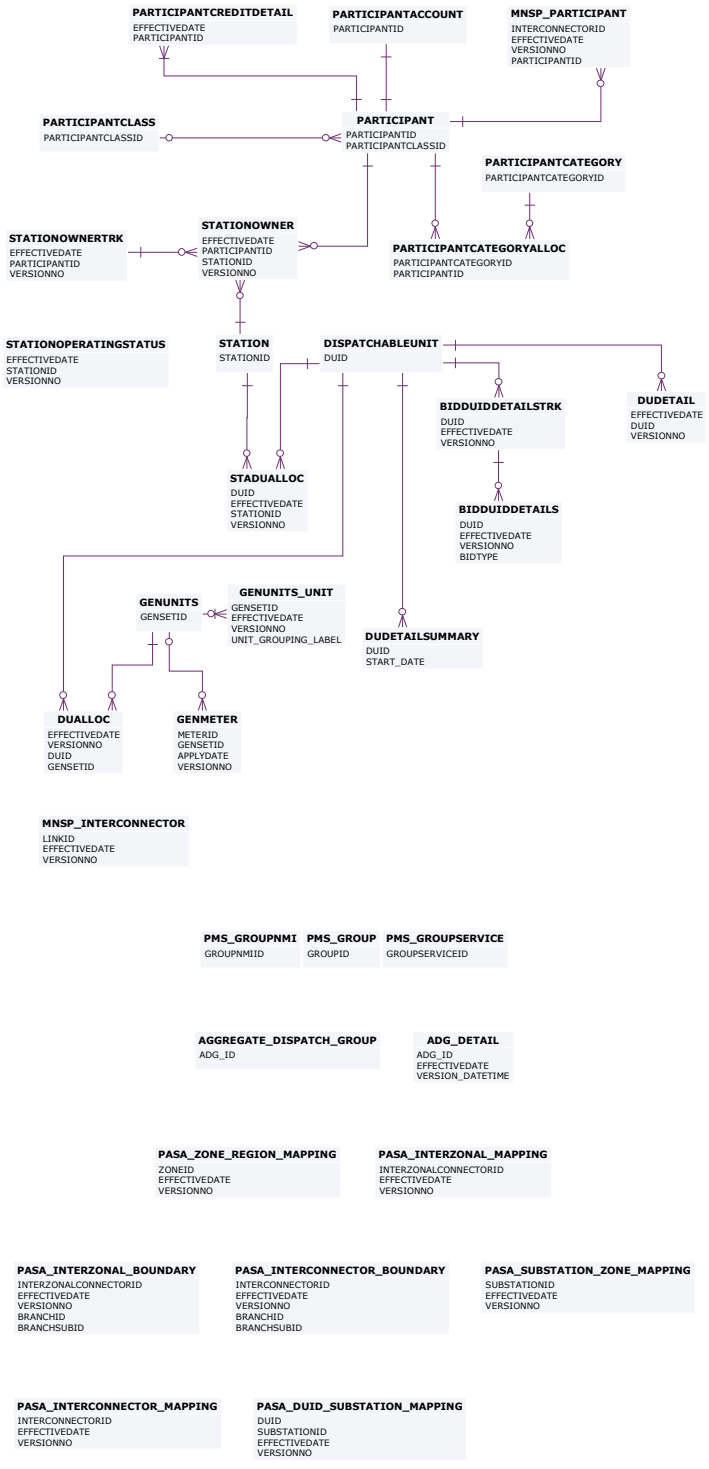
21.1 List of tables

Name	Comment	Visibility
ADG_DETAIL	Table for tracking evolving Aggregate Dispatch Group attributes	Public
AGGREGATE_DISPATCH_GROUP	Entity allowing for compliance monitoring over grouped DUIDs	Public
BIDDUIDDETAILS	BIDDUIDDETAILS and the associated tracking object BIDDUIDDETAILSTRK define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service.	Public
BIDDUIDDETAILSTRK	BIDDUIDDETAILSTRK shows the tracking for the associated object BIDDUIDDETAILS. Together, BIDDUIDDETAILSTRK and BIDDUIDDETAILS define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service.	Public
DISPATCHABLEUNIT	DISPATCHABLEUNIT sets out the unit name and type of each dispatchable unit in the market.	Public
DUALLOC	DUALLOC cross references dispatch unit identifier to genset ID for each participant.	Public
DUDETAIL	DUDETAIL sets out a records specific details for each unit including start type and whether normally on or off load. Much of this data is information only and is not used in dispatch or settlements.	Public
DUDETAILSUMMARY	DUDETAILSUMMARY sets out a single summary unit table so reducing the need for participants to use the various dispatchable unit detail and owner tables to establish generating unit specific details.	Public

GENMETER	GENMETER shows details of generator meter sets.	Private
GENUNITS	GENUNITS shows Genset details for each physical unit with the relevant station.	Public
GENUNITS_UNIT	Physical units within a Gen Unit Set	Public
MNSP_INTERCONNECTOR	MNSP_INTERCONNECTOR sets out attributes of each interconnector.	Public
MNSP_PARTICIPANT	MNSP_PARTICIPANT registers MNSP ownership.	Public
PARTICIPANT	PARTICIPANT sets out Participant ID, name and class for all participants.	Public
PARTICIPANTACCOUNT	PARTICIPANTACCOUNT shows financial details on participants.	Private
PARTICIPANTCATEGORY	PARTICIPANTCATEGORY sets out valid participant categories.	Public
PARTICIPANTCATEGORYALLOC	PARTICIPANTCATEGORYALLOC sets out the assignment of participants to particular categories.	Public
PARTICIPANTCLASS	PARTICIPANTCLASS sets out valid participant classifications.	Public
PARTICIPANTCREDITDETAIL		Private
PASA_DUID_SUBSTATION_MAPPING	PASA_DUID_SUBSTATION_MAPPING shows the mapping of each DUID to its Energy Management System Substation ID	Public
PASA_INTERCONNECTOR_BOUNDARY	PASA_INTERCONNECTOR_BOUNDARY shows the mapping of each Interconnector boundary to its constituent Energy Management System Branch IDs	Public
PASA_INTERCONNECTOR_MAPPING	PASA_INTERCONNECTOR_MAPPING shows the mapping of each Interconnector to its From Region ID and To Region ID	Public
PASA_INTERZONAL_BOUNDARY	PASA_INTERZONAL_BOUNDARY shows the mapping of each Interzonal connector boundary to its constituent Energy Management System Branch IDs	Public
PASA_INTERZONAL_MAPPING	PASA_INTERZONAL_MAPPING shows inter-zonal mapping details, including operating status.	Public
PASA_SUBSTATION_ZONE_MAPPING	PASA_SUBSTATION_ZONE_MAPPING shows the mapping of each Energy Management System Substation ID to its parent Zone ID	Public

PASA_ZONE_REGION_MAPPING	PASA_ZONE_REGION_MAPPING shows zone to region mapping details and provide the Region Reference Zone information.	Public
PMS_GROUP	Entity table for group	Public
PMS_GROUPNMI	Describe the NMIs that a group uses to provide its service	Private
PMS_GROUPSERVICE	Describe the services a group provides and its relation to a market	Public
STADUALLOC	STADUALLOC sets out details on the allocation of dispatchable units to particular sites or stations.	Public
STATION	STATION sets out valid station identifiers.	Public
STATIONOPERATINGSTATUS	STATIONOPERATINGSTATUS sets out the operating status of each station.	Public
STATIONOWNER	STATIONOWNER sets out the owner details of each station.	Public
STATIONOWNERTRK	STATIONOWNERTRK shows the tracking for the associated object STATIONOWNER. Together, STATIONOWNERTRK and STATIONOWNER sets out the owner details of each station.	Public

21.2 Diagram: Entities: Participant Registration



21.3 Table: ADG_DETAIL

21.3.1 ADG_DETAIL

Name	ADG_DETAIL
Comment	Table for tracking evolving Aggregate Dispatch Group attributes

21.3.2 Notes

Name	Comment	Value
Visibility		Public

21.3.3 Primary Key Columns

Name
ADG_ID
EFFECTIVEDATE
VERSION_DATETIME

21.3.4 Content

Name	Data Type	Mandatory	Comment
ADG_ID	VARCHAR2(20)	X	Identifies the Aggregate Dispatch Group
EFFECTIVEDATE	DATE	X	Effective calendar date of record
VERSION_DATETIME	DATE	X	Date and time of the version of Dispatchable Unit details
ADG_TYPE	VARCHAR2(20)		Conformance Type for the Aggregate Dispatch Group. One of the following: CAP, MIXED, TARGET
AUTHORISEDDATE	DATE		Date record authorised
AUTHORISEDBY	VARCHAR2(15)		User authorising record

LASTCHANGED	DATE		Last date and time record changed

21.4 Table: AGGREGATE_DISPATCH_GROUP

21.4.1 AGGREGATE_DISPATCH_GROUP

Name AGGREGATE_DISPATCH_GROUP

Comment Entity allowing for compliance monitoring over grouped DUIDs

21.4.2 Notes

Name	Comment	Value
Visibility		Public

21.4.3 Primary Key Columns

Name

ADG_ID

21.4.4 Content

Name	Data Type	Mandatory	Comment
ADG_ID	VARCHAR2(20)	X	Aggregate Dispatch Group ID
COMMENTS	VARCHAR2(100)		A participant provided comment
LASTCHANGED	DATE		Last date and time record changed

21.5 Table: BIDDUIDDETAILS

21.5.1 BIDDUIDDETAILS

Name BIDDUIDDETAILS

Comment BIDDUIDDETAILS and the associated tracking object BIDDUIDDETAILSTRK define the registration data for each ancillary service a dispatchable unit is registered to provide. The

registration data is required to validate a dispatchable unit bid submitted for that ancillary service.

21.5.2 Description

BIDDUIDDETAILS data is public to participants.

Source

BIDDUIDDETAILS updates as dispatchable unit registration details are modified.

Volume

Approximately 1000 records per year.

21.5.3 Notes

Name	Comment	Value
Visibility		Public

21.5.4 Primary Key Columns

Name

BIDTYPE

DUID

EFFECTIVEDATE

VERSIONNO

21.5.5 Index Columns

Name

LASTCHANGED

21.5.6 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable unit identifier

EFFECTIVEDATE	DATE	X	Market date starting at 04:30 inclusive
VERSIONNO	NUMBER(3,0)	X	Record version number
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
MAXCAPACITY	NUMBER(22,0)		Maximum Capacity of this DUID for this BIDTYPE
MINENABLEMENTLEVEL	NUMBER(22,0)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
MAXENABLEMENTLEVEL	NUMBER(22,0)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only)
MAXLOWERANGLE	NUMBER(3,0)		Maximum Angle at the lower end of the ancillary service profile (Degrees)
MAXUPPERANGLE	NUMBER(3,0)		Maximum Angle at the upper end of the ancillary service profile (Degrees)
LASTCHANGED	DATE		Last date and time record changed

21.6 Table: BIDDUIDDETAILSTRK

21.6.1 BIDDUIDDETAILSTRK

Name BIDDUIDDETAILSTRK

Comment BIDDUIDDETAILSTRK shows the tracking for the associated object BIDDUIDDETAILS. Together, BIDDUIDDETAILSTRK and BIDDUIDDETAILS define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service.

21.6.2 Description

BIDDUIDDETAILSTRK data is public to participants.

Source

BIDDUIDDETAILSTRK updates as dispatchable unit registration details are modified.

Volume

Approximately 200 records per year

21.6.3 Notes

Name	Comment	Value
Visibility		Public

21.6.4 Primary Key Columns

Name

DUID

EFFECTIVEDATE

VERSIONNO

21.6.5 Index Columns

Name

LASTCHANGED

21.6.6 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
EFFECTIVEDATE	DATE	X	Market date starting at 04:30 inclusive
VERSIONNO	NUMBER(3,0)	X	Record version number
AUTHORISEDDATE	DATE		Date of record authorisation. A NULL value indicates the record is not authorised.
AUTHORISEDBY	VARCHAR2(15)		User that authorised record. A NULL value indicates the record is not authorised.
LASTCHANGED	DATE		Last date and time record changed

21.7 Table: DISPATCHABLEUNIT

21.7.1 DISPATCHABLEUNIT

Name	DISPATCHABLEUNIT
Comment	DISPATCHABLEUNIT sets out the unit name and type of each dispatchable unit in the market.

21.7.2 Description

DISPATCHABLEUNIT data is public data, and is available to all participants.

Source

DISPATCHABLEUNIT pdates as new units added or names changed.

21.7.3 Notes

Name	Comment	Value
Visibility		Public

21.7.4 Primary Key Columns

Name
DUID

21.7.5 Index Columns

Name
LASTCHANGED

21.7.6 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
DUNAME	VARCHAR2(20)		Dispatchable Unit full description

UNITTYPE	VARCHAR2(20)		Identifies LOAD, GENERATOR or BIDIRECTIONAL
LASTCHANGED	DATE		Last date and time record changed

21.8 Table: DUALLOC

21.8.1 DUALLOC

Name	DUALLOC
Comment	DUALLOC cross references dispatch unit identifier to genset ID for each participant.

21.8.2 Description

Source

DUALLOC updates where changed.

21.8.3 Notes

Name	Comment	Value
Visibility		Public

21.8.4 Primary Key Columns

Name

DUID

EFFECTIVEDATE

GENSETID

VERSIONNO

21.8.5 Index Columns

Name

LASTCHANGED

21.8.6 Index Columns

Name

DUID

21.8.7 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective calendar date of record
VERSIONNO	NUMBER(3,0)	X	Version no of record
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
GENSETID	VARCHAR2(20)	X	Physical unit identifier
LASTCHANGED	DATE		Last date and time record changed

21.9 Table: DUDETAIL

21.9.1 DUDETAIL

Name DUDETAIL

Comment DUDETAIL sets out a records specific details for each unit including start type and whether normally on or off load. Much of this data is information only and is not used in dispatch or settlements.

21.9.2 Description

DUDETAIL is public data, and is available to all participants.

Source

DUDETAIL updates only when registration details change.

Note

To find the current set of details for selected dispatchable units, query the participant's local database as follows.

```
Select du.* from dudetail du
where (du.EFFECTIVEDATE, du.VERSIONNO) =
(
```

```
select effectivedate, max(versionno)
from dudetail
where EFFECTIVEDATE = (select max(effectivedate)
from  dudetail
where EFFECTIVEDATE <= sysdate
and duid = du.duid
and authoriseddate is not null)
and duid = du.duid
and authoriseddate is not null
group by effectivedate
)
and du.duid in ('UNIT1', 'UNIT2')
;
```

The following notes apply to this SQL code:

- This table is specific to dispatch units only.
- If you wish to query details for a different date, substitute a date expression for "sysdate" in the "where EFFECTIVEDATE <= sysdate" clause.
- If you wish to list all the units, remove the line "and du.duid in ('UNIT1', 'UNIT2')"
- The DUDETAIL table does not indicate if a unit is active; this is done through ownership (STADUALLOC) by an active station owned by an active participant (STATIONOWNER)
- If you wish to query Station details refer to STATION, STATIONOWNER and STADUALLOC.
- If you wish to look at connection point loss factors, refer to TRANSMISSIONLOSSFACTOR.

21.9.3 Notes

Name	Comment	Value
Visibility		Public

21.9.4 Primary Key Columns

Name
DUID
EFFECTIVEDATE
VERSIONNO

21.9.5 Index Columns

Name
LASTCHANGED

21.9.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective calendar date of record
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
VERSIONNO	NUMBER(3,0)	X	version of Dispatchable Unit details for this effective date
CONNECTIONPOINTID	VARCHAR2(10)		Country wide - Unique id of a connection point
VOLTLEVEL	VARCHAR2(10)		Voltage Level
REGISTEREDCAPACITY	NUMBER(6,0)		Registered capacity for normal operations
AGCCAPABILITY	VARCHAR2(1)		AGC Capability flag
DISPATCHTYPE	VARCHAR2(20)		Identifies LOAD, GENERATOR or BIDIRECTIONAL.
MAXCAPACITY	NUMBER(6,0)		Maximum Capacity as used for bid validation
STARTTYPE	VARCHAR2(20)		Identify unit as Fast or Slow
NORMALLYONFLAG	VARCHAR2(1)		For a dispatchable load indicates that the load is normally on or off.
PHYSICALDETAILSFLAG	VARCHAR2(1)		Indicates that the physical details for this unit are to be recorded
SPINNINGRESERVEFLAG	VARCHAR2(1)		Indicates spinning reserve capability
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed
INTERMITTENTFLAG	VARCHAR(1)		Indicate whether a unit is intermittent (e.g. a wind farm)
SemiSchedule_Flag	VARCHAR2(1)		Indicates if the DUID is a Semi-Scheduled Unit
MAXRATEOFCHANGEUP	Number(6,0)		Maximum ramp up rate for Unit (Mw/min)
MAXRATEOFCHANGEDOWN	Number(6,0)		Maximum ramp down rate for Unit (Mw/min)

DISPATCHSUBTYPE	VARCHAR2(20)		Additional information for DISPATCHTYPE. For DISPATCHTYPE = LOAD, subtype value is WDR for wholesale demand response units. For DISPATCHTYPE = LOAD, subtype value is NULL for Scheduled Loads. For DISPATCHTYPE = GENERATOR type, the subtype value is NULL.
ADG_ID	VARCHAR2(20)		Aggregate Dispatch Group to which this dispatch unit belongs
MINCAPACITY	NUMBER(6,0)		Minimum capacity only for load side of BDU, otherwise 0 (MW)
REGISTEREDMINCAPACITY	NUMBER(6,0)		Registered minimum capacity only for load side of BDU, otherwise 0 (MW)
MAXRATEOFCHANGEUP_LOAD	NUMBER(6,0)		Raise Ramp rate applied to BDU Load component (MW/min)
MAXRATEOFCHANGEDOWN_LOAD	NUMBER(6,0)		Lower Ramp rate applied to BDU Load component (MW/min)
MAXSTORAGECAPACITY	NUMBER(15,5)		The rated storage capacity (MWh), information only
STORAGEIMPORTEFFICIENCYFACTOR	NUMBER(15,5)		The storage energy import conversion efficiency. Number from 0 to 1 where 1 is lossless. Calculated as (increase in stored energy / increase in imported energy)
STORAGEEXPORTEFFICIENCYFACTOR	NUMBER(15,5)		The storage energy export conversion efficiency. Number from 0 to 1 where 1 is lossless. Calculated as (decrease in exported energy / decrease in stored energy)
MIN_RAMP_RATE_UP	NUMBER(6,0)		Calculated Minimum Ramp Rate Up value accepted for Energy Offers or Bids with explanation for energy imports (all DUID types and BDU Generation side) (MW/min)
MIN_RAMP_RATE_DOWN	NUMBER(6,0)		Calculated Minimum Ramp Rate Down value accepted for Energy Offers or Bids with explanation for energy imports (all DUID types and BDU Generation side) (MW/min)
LOAD_MIN_RAMP_RATE_UP	NUMBER(6,0)		Calculated Minimum Ramp Rate Up value accepted for Energy Offers or Bids on BDU Load component with explanation for energy imports (MW/min)
LOAD_MIN_RAMP_RATE_DOWN	NUMBER(6,0)		Calculated Minimum Ramp Rate Down value accepted for Energy Offers or Bids on BDU Load component with explanation for energy

			imports (MW/min)
AGGREGATED	NUMBER(1,0)		Identifies if a unit is aggregated. This flag was initially added in GENUNITS_UNIT table which is now deprecated with IESS release.

21.10 Table: DUDETAILSUMMARY

21.10.1 DUDETAILSUMMARY

Name	DUDETAILSUMMARY
Comment	DUDETAILSUMMARY sets out a single summary unit table so reducing the need for participants to use the various dispatchable unit detail and owner tables to establish generating unit specific details.

21.10.2 Description

DUDETAILSUMMARY is a public table, and is available to all participants.

Source

DUDETAILSUMMARY updates only when registration details change.

21.10.3 Notes

Name	Comment	Value
Visibility		Public

21.10.4 Primary Key Columns

Name
DUID
START_DATE

21.10.5 Index Columns

Name
LASTCHANGED

21.10.6 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
START_DATE	DATE	X	Start date for effective record
END_DATE	DATE	X	End date for effective record
DISPATCHTYPE	VARCHAR2(20)		Identifies LOAD, GENERATOR or BIDIRECTIONAL. This will likely expand to more generic models as new technology types are integrated into the NEM
CONNECTIONPOINTID	VARCHAR2(10)		Country wide - Unique id of a connection point
REGIONID	VARCHAR2(10)		Region identifier that unit is in
STATIONID	VARCHAR2(10)		Station that unit is in
PARTICIPANTID	VARCHAR2(10)		Participant that owns unit during effective record period
LASTCHANGED	DATE		Last date and time record changed
TRANSMISSIONLOSSFACTOR	NUMBER(15,5)		Used in Bidding, Dispatch and Settlements. For Bidding and Dispatch, where the DUID is a BDU with DISPATCHTYPE of BIDIRECTIONAL, the TLF for the load component of the BDU. For Settlements, where dual TLFs apply, the primary TLF is applied to all energy (load and generation) when the Net Energy Flow of the ConnectionPointID in the interval is negative (net load).
STARTTYPE	VARCHAR2(20)		Unit start type. At this time restricted to Fast, Slow or Non Dispatched
DISTRIBUTIONLOSSFACTOR	NUMBER(15,5)		The distribution loss factor to the currently assigned connection point
MINIMUM_ENERGY_PRICE	NUMBER(9,2)		Floored Offer/Bid Energy Price adjusted for TLF, DLF and MPF
MAXIMUM_ENERGY_PRICE	NUMBER(9,2)		Capped Offer/Bid Energy Price adjusted for TLF, DLF and VoLL

SCHEDULE_TYPE	VARCHAR2(20)		Scheduled status of the unit: 'SCHEDULED' 'NON-SCHEDULED' 'SEMI-SCHEDULED'
MIN_RAMP_RATE_UP	number(6,0)		MW/Min. Calculated Minimum Ramp Rate Up value accepted for Energy Offers or Bids with explanation
MIN_RAMP_RATE_DOWN	number(6,0)		MW/Min. Calculated Minimum Ramp Rate Down value accepted for Energy Offers or Bids with explanation
MAX_RAMP_RATE_UP	number(6,0)		Maximum ramp up rate for Unit (Mw/min) - from DUDetail table
MAX_RAMP_RATE_DOWN	number(6,0)		Maximum ramp down rate for Unit (Mw/min) - from DUDetail table
IS_AGGREGATED	NUMBER(1,0)		Whether the DUID is classified as an "Aggregated Unit" under the rules. This impacts the Minimum Ramp Rate calculation
DISPATCHSUBTYPE	VARCHAR2(20)		Additional information for DISPATCHTYPE. For DISPATCHTYPE = LOAD, subtype value is WDR for wholesale demand response units For DISPATCHTYPE = LOAD, subtype value is NULL for Scheduled Loads. For DISPATCHTYPE = GENERATOR type, subtype value is NULL.
ADG_ID	VARCHAR2(20)		Aggregate Dispatch Group. Group into which the DUID is aggregated for Conformance. Null if DUID not aggregated for Conformance
LOAD_MINIMUM_ENERGY_PRICE	NUMBER(9,2)		BDU only. Floored Offer/Bid Energy Price adjusted for TLF, DLF and MPF for energy imports
LOAD_MAXIMUM_ENERGY_PRICE	NUMBER(9,2)		BDU only. Capped Offer/Bid Energy Price adjusted for TLF, DLF and VoLL for energy imports
LOAD_MIN_RAMP_RATE_UP	NUMBER(6,0)		BDU only. MW/Min. Calculated Minimum Ramp Rate Up value accepted for Energy Offers or Bids with explanation for energy imports
LOAD_MIN_RAMP_RATE_DOWN	NUMBER(6,0)		BDU only. MW/Min. Calculated Minimum Ramp Rate Down value accepted for Energy Offers or Bids with explanation for energy imports

LOAD_MAX_RAMP_RATE_UP	NUMBER(6,0)		BDU only. MW/Min. Registered Maximum Ramp Rate Up value accepted for Energy Offers or Bids for energy imports
LOAD_MAX_RAMP_RATE_DOWN	NUMBER(6,0)		BDU only. MW/Min. Registered Maximum Ramp Rate Down value accepted for Energy Offers or Bids for energy imports
SECONDARY_TLF	NUMBER(18,8)		Used in Bidding, Dispatch and Settlements, only populated where Dual TLFs apply. For Bidding and Dispatch, the TLF for the generation component of a BDU, when null the TRANSMISSIONLOSSFACTOR is used for both the load and generation components. For Settlements, the secondary TLF is applied to all energy (load and generation) when the Net Energy Flow of the ConnectionPointID in the interval is positive (net generation).

21.11 Table: GENMETER

21.11.1 GENMETER

Name	GENMETER
Comment	GENMETER shows details of generator meter sets.

21.11.2 Description

GENMETER is a public table, and is available to all participants.

Source

GENMETER updates only when meter details change.

21.11.3 Notes

Name	Comment	Value
Visibility		Private

21.11.4 Primary Key Columns

Name

APPLYDATE

METERID

VERSIONNO

21.11.5 Index Columns

Name

LASTCHANGED

21.11.6 Index Columns

Name

STATIONID

21.11.7 Content

Name	Data Type	Mandatory	Comment
METERID	VARCHAR2(12)	X	Meter Id
GENSETID	VARCHAR2(20)		Generator Set ID
CONNECTIONPOINTID	VARCHAR2(10)		Not used
STATIONID	VARCHAR2(10)		Station Identifier
METERTYPE	VARCHAR2(20)		LOAD
METERCLASS	VARCHAR2(10)		WATT or AUXILARY
VOLTAGELEVEL	NUMBER(6,0)		Voltage
APPLYDATE	DATE	X	Application date
VERSIONNO	NUMBER(3,0)	X	Version no of the record for the given effective date
AUTHORISEDBY	VARCHAR2(10)		AEMO user authorising
AUTHORISEDDATE	DATE		Date authorised

COMDATE	DATE		Not used
DECOMDATE	DATE		Not used
ENDDATE	DATE		Not used
STARTDATE	DATE		Not used
LASTCHANGED	DATE		Last date and time record changed

21.12 Table: GENUNITS

21.12.1 GENUNITS

Name	GENUNITS
Comment	GENUNITS shows Genset details for each physical unit with the relevant station.

21.12.2 Description

GENUNITS is a public table, and is available to all participants.

Source

GENUNITS updates whenever plant details change.

21.12.3 Notes

Name	Comment	Value
Visibility		Public

21.12.4 Primary Key Columns

Name
GENSETID

21.12.5 Index Columns

Name

LASTCHANGED

21.12.6 Content

Name	Data Type	Mandatory	Comment
GENSETID	VARCHAR2(20)	X	Physical Unit identifier
STATIONID	VARCHAR2(10)		Station Identifier
SETLOSSFACTOR	NUMBER(16,6)		Not used
CDINDICATOR	VARCHAR2(10)		Centrally dispatched Indicator
AGCFLAG	VARCHAR2(2)		AGC Available flag
SPINNINGFLAG	VARCHAR2(2)		Not used
VOLTLEVEL	NUMBER(6,0)		Voltage level
REGISTEREDCAPACITY	NUMBER(6,0)		Registered capacity
DISPATCHTYPE	VARCHAR2(20)		Type NET/NET identifies if DUID is a Scheduled and GROSS/NET identifies if DUID is either Semi-Scheduled or Non-Scheduled.
STARTTYPE	VARCHAR2(20)		Fast / Slow / Not Dispatched
MKTGENERATORIND	VARCHAR2(10)		Market Generator Indicator Flag
NORMALSTATUS	VARCHAR2(10)		On / Off for load
MAXCAPACITY	NUMBER(6,0)		Maximum capacity
GENSETTYPE	VARCHAR2(15)		Identifies LOAD, GENERATOR or BIDIRECTIONAL. This will likely expand to more generic models as new technology types are integrated into the NEM.
GENSETNAME	VARCHAR2(40)		Genset name
LASTCHANGED	DATE		Last date and time record changed
CO2E_EMISSIONS_FACTOR	NUMBER(18,8)		The emissions factor for the generating unit, as calculated by Settlements staff members
CO2E_ENERGY_SOURCE	VARCHAR2(100)		The energy source for the generating unit, as used in the calculation of the CO2-e emissions factor. Distinct from the Energy Source for a

			generating unit published as part of the Registration Master List
CO2E_DATA_SOURCE	VARCHAR2(20)		An indicator as to the source of the emission factor used in the calculation of the index. The applicable values for this field would be NTNDP which indicates the emission factor is quoted from the National Transmission Network Development Plan or Estimated to indicate the emission factor has been calculated using an internal AEMO procedure based upon the Department of Climate Change and Energy Efficiency NGA factors
MINCAPACITY	NUMBER(6,0)		Minimum capacity only for load side of BDU, otherwise 0 (MW)
REGISTEREDMINCAPACITY	NUMBER(6,0)		Registered minimum capacity only for load side of BDU, otherwise 0 (MW)
MAXSTORAGECAPACITY	NUMBER(15,5)		The rated storage capacity (MWh), information only

21.13 Table: GENUNITS_UNIT

21.13.1 GENUNITS_UNIT

Name	GENUNITS_UNIT
Comment	Physical units within a Gen Unit Set

21.13.2 Notes

Name	Comment	Value
Visibility		Public

21.13.3 Primary Key Columns

Name
EFFECTIVEDATE
GENSETID
UNIT_GROUPING_LABEL

VERSIONNO

21.13.4 Index Columns

Name

GENSETID

EFFECTIVEDATE

VERSIONNO

UNIT_GROUPING_LABEL

21.13.5 Content

Name	Data Type	Mandatory	Comment
GENSETID	VARCHAR2(20)	X	System wide unique Generating Set ID
EFFECTIVEDATE	DATE	X	Effective Date of this detail record
VERSIONNO	NUMBER(6,0)	X	Version with respect to the effective date
UNIT_GROUPING_LABEL	VARCHAR2(20)	X	Label of Physical Units within the station
UNIT_COUNT	NUMBER(10,0)		Number of units in this Gen Unit grouping
UNIT_SIZE	NUMBER(8,3)		Nameplate Capacity for each unit in this grouping
UNIT_MAX_SIZE	NUMBER(8,3)		Maximum Capacity for each unit in this grouping
AGGREGATION_FLAG	NUMBER(1,0)		Deprecated as this flag is moved to DUDETAIL table with IESS release.
LASTCHANGED	DATE		Date/Time when record was changed
UNITMINSIZE	NUMBER(8,3)		Only applicable for the LOAD side of BDU (MW)
MAXSTORAGECAPACITY	NUMBER(15,5)		The rated storage capacity (MWh), information only
REGISTEREDCAPACITY	NUMBER(8,3)		Registered capacity for normal operations

REGISTEREDMINCAPACITY	NUMBER(8,3)		Only applicable for the LOAD side of BDU (MW)

21.14 Table: MNSP_INTERCONNECTOR

21.14.1 MNSP_INTERCONNECTOR

Name	MNSP_INTERCONNECTOR
Comment	MNSP_INTERCONNECTOR sets out attributes of each interconnector.

21.14.2 Description

MNSP_INTERCONNECTOR data is public, so is available to all participants.

Source

MNSP_INTERCONNECTOR changes infrequently, typically annually.

Volume

Twice the number of MNSPs.

21.14.3 Notes

Name	Comment	Value
Visibility		Public

21.14.4 Primary Key Columns

Name
EFFECTIVEDATE
LINKID
VERSIONNO

21.14.5 Index Columns

Name

LASTCHANGED

21.14.6 Content

Name	Data Type	Mandatory	Comment
LINKID	VARCHAR2(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
EFFECTIVEDATE	DATE	X	Date when Interconnector becomes effective
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
INTERCONNECTORID	VARCHAR2(10)		Interconnector Identifier
FROMREGION	VARCHAR2(10)		Nominated source region for Interconnector
TOREGION	VARCHAR2(10)		Nominated destination region for Interconnector
MAXCAPACITY	NUMBER(5,0)		Maximum capacity
TLF	NUMBER(12,7)		Transmission Loss Factor (redundant from May 2012)
LHSFACTOR	NUMBER(12,7)		Factor applied to the LHS of constraint equations; set by AEMO
METERFLOWCONSTANT	NUMBER(12,7)		Obsolete; no longer applied. Ignore.
AUTHORISEDDATE	DATE		Date of authorisation. Nominal date but required to enable Interconnector.
AUTHORISEDBY	VARCHAR2(15)		Authorising officer
LASTCHANGED	DATE		Last date and time record changed
FROM_REGION_TLF	NUMBER(12,7)		Transmission Loss Factor for Link "From Region" end
TO_REGION_TLF	NUMBER(12,7)		Transmission Loss Factor for Link at "To Region" end

21.15 Table: MNSP_PARTICIPANT

21.15.1 MNSP_PARTICIPANT

Name	MNSP_PARTICIPANT
Comment	MNSP_PARTICIPANT registers MNSP ownership.

21.15.2 Description

MNSP_PARTICIPANT data is public, so is available to all participants.

Source

MNSP_PARTICIPANT updates infrequently, typically annually.

Volume

Number of MNSPs.

21.15.3 Notes

Name	Comment	Value
Visibility		Public

21.15.4 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
PARTICIPANTID
VERSIONNO

21.15.5 Index Columns

Name
LASTCHANGED

21.15.6 Content

Name	Data Type	Mandatory	Comment
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
EFFECTIVEDATE	DATE	X	Calendar date when Interconnector ownership becomes effective
VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
LASTCHANGED	DATE		Last date and time record changed

21.16 Table: PARTICIPANT

21.16.1 PARTICIPANT

Name	PARTICIPANT
Comment	PARTICIPANT sets out Participant ID, name and class for all participants.

21.16.2 Description

PARTICIPANT is public data, so is available to all participants.

Source

PARTICIPANT updates as new participants register or existing participants change details.

21.16.3 Notes

Name	Comment	Value
Visibility		Public

21.16.4 Primary Key Columns

Name
PARTICIPANTID

21.16.5 Index Columns

Name

LASTCHANGED

21.16.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PARTICIPANTCLASSID	VARCHAR2(20)		Class of participant
NAME	VARCHAR2(80)		Full name of participant
DESCRIPTION	VARCHAR2(64)		Not used
ACN	VARCHAR2(9)		Australian Company Number; Nine Numbers XXX-XXX-XXX
PRIMARYBUSINESS	VARCHAR2(40)		Identifies primary business activity of participant
LASTCHANGED	DATE		Last date and time record changed

21.17 Table: PARTICIPANTACCOUNT

21.17.1 PARTICIPANTACCOUNT

Name PARTICIPANTACCOUNT

Comment PARTICIPANTACCOUNT shows financial details on participants.

21.17.2 Description

PARTICIPANTACCOUNT data is confidential to the relevant participant.

Source

PARTICIPANTACCOUNT updates as new participants register or existing participants change details.

21.17.3 Notes

Name Comment Value

Visibility Private

21.17.4 Primary Key Columns

Name

PARTICIPANTID

21.17.5 Index Columns

Name

LASTCHANGED

21.17.6 Content

Name	Data Type	Mandatory	Comment
ACCOUNTNAME	VARCHAR2(80)		Name of the account
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
ACCOUNTNUMBER	VARCHAR2(16)		Account number
BANKNAME	VARCHAR2(16)		Bank name
BANKNUMBER	NUMBER(10,0)		Bank number
BRANCHNAME	VARCHAR2(16)		Branch name
BRANCHNUMBER	NUMBER(10,0)		Branch number
BSBNUMBER	VARCHAR2(20)		BSB number
NEMMCOCREDITACCOUNTNUMBER	NUMBER(10,0)		AEMO credit account number
NEMMCODEBITACCOUNTNUMBER	NUMBER(10,0)		AEMO debit account number
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Authorised date
EFFECTIVEDATE	DATE		Date record authorised

LASTCHANGED	DATE		Last date and time record changed
ABN	VARCHAR2(20)		Australian Business Number

21.18 Table: PARTICIPANTCATEGORY

21.18.1 PARTICIPANTCATEGORY

Name PARTICIPANTCATEGORY

Comment PARTICIPANTCATEGORY sets out valid participant categories.

21.18.2 Description

PARTICIPANTCATEGORY is public data, so is available to all participants.

Source

PARTICIPANTCATEGORY updates as categories change. PARTICIPANTCATEGORY changes infrequently.

21.18.3 Notes

Name	Comment	Value
Visibility		Public

21.18.4 Primary Key Columns

Name

PARTICIPANTCATEGORYID

21.18.5 Index Columns

Name

LASTCHANGED

21.18.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTCATEGORYID	VARCHAR2(10)	X	Participant category identifier
DESCRIPTION	VARCHAR2(64)		Category description
LASTCHANGED	DATE		Last date and time record changed

21.19 Table: PARTICIPANTCATEGORYALLOC

21.19.1 PARTICIPANTCATEGORYALLOC

Name	PARTICIPANTCATEGORYALLOC
Comment	PARTICIPANTCATEGORYALLOC sets out the assignment of participants to particular categories.

21.19.2 Description

PARTICIPANTCATEGORYALLOC data is public, so is available to all participants.

Source

PARTICIPANTCATEGORYALLOC updates for new participants or when categories change. PARTICIPANTCATEGORYALLOC changes infrequently.

21.19.3 Notes

Name	Comment	Value
Visibility		Public

21.19.4 Primary Key Columns

Name
PARTICIPANTCATEGORYID
PARTICIPANTID

21.19.5 Index Columns

Name

LASTCHANGED

21.19.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTCATEGORYID	VARCHAR2(10)	X	Category unique identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
LASTCHANGED	DATE		Last date and time record changed

21.20 Table: PARTICIPANTCLASS

21.20.1 PARTICIPANTCLASS

Name PARTICIPANTCLASS

Comment PARTICIPANTCLASS sets out valid participant classifications.

21.20.2 Description

PARTICIPANTCLASS data is public, so is available to all participants.

Source

PARTICIPANTCLASS updates only if classifications change. This table changes infrequently.

21.20.3 Notes

Name	Comment	Value
Visibility		Public

21.20.4 Primary Key Columns

Name

PARTICIPANTCLASSID

21.20.5 Index Columns

Name

LASTCHANGED

21.20.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTCLASSID	VARCHAR2(20)	X	Class of participant
DESCRIPTION	VARCHAR2(64)		Description of participant class
LASTCHANGED	DATE		Last date and time record changed

21.21 Table: PARTICIPANTCREDITDETAIL

21.21.1 PARTICIPANTCREDITDETAIL

Name PARTICIPANTCREDITDETAIL

Comment

21.21.2 Description

PARTICIPANTCREDITDETAIL data is confidential to each participant.

Source

PARTICIPANTCREDITDETAIL updates infrequently.

21.21.3 Notes

Name	Comment	Value
Visibility		Private

21.21.4 Primary Key Columns

Name

EFFECTIVEDATE

PARTICIPANTID

21.21.5 Index Columns

Name

PARTICIPANTID

21.21.6 Index Columns

Name

LASTCHANGED

21.21.7 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	
PARTICIPANTID	VARCHAR2(10)	X	
CREDITLIMIT	NUMBER(10,0)		
AUTHORISEDBY	VARCHAR2(15)		
AUTHORISEDDATE	DATE		
LASTCHANGED	DATE		Last date and time record changed

21.22 Table: PASA_DUID_SUBSTATION_MAPPING

21.22.1 PASA_DUID_SUBSTATION_MAPPING

Name PASA_DUID_SUBSTATION_MAPPING

Comment	PASA_DUID_SUBSTATION_MAPPING shows the mapping of each DUID to its Energy Management System Substation ID

21.22.2 Notes

Name	Comment	Value
Visibility		Public

21.22.3 Primary Key Columns

Name

DUID

EFFECTIVEDATE

SUBSTATIONID

VERSIONNO

21.22.4 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(20)	X	The dispatchable unit identifier
SUBSTATIONID	VARCHAR2(30)	X	The Energy Management System identifier of the Substation to which this DUID belongs
EFFECTIVEDATE	DATE	X	Effective date of this DUID to Substation ID mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

21.23 Table: PASA_INTERCONNECTOR_BOUNDARY

21.23.1 PASA_INTERCONNECTOR_BOUNDARY

Name	PASA_INTERCONNECTOR_BOUNDARY
Comment	PASA_INTERCONNECTOR_BOUNDARY shows the mapping of each Interconnector boundary to its constituent Energy Management System Branch IDs

21.23.2 Notes

Name	Comment	Value
Visibility		Public

21.23.3 Primary Key Columns

Name

BRANCHID

BRANCHSUBID

EFFECTIVEDATE

INTERCONNECTORID

VERSIONNO

21.23.4 Content

Name	Data Type	Mandatory	Comment
INTERCONNECTORID	VARCHAR2(20)	X	The identifier of the Interconnector
EFFECTIVEDATE	DATE	X	Effective date of this Interconnector Boundary mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
BRANCHID	VARCHAR2(50)	X	Branch Identifier
BRANCHSUBID	VARCHAR2(50)	X	Branch Sub-Identifier

BRANCHFROMSUBSTATION	VARCHAR2(30)		Branch FromSubstation. Positive BranchFlow from FromSubstation to ToSubstation.
BRANCHTOSUBSTATION	VARCHAR2(30)		Branch ToSubstation. Positive BranchFlow from FromSubStation to ToSubStation.
BRANCHTYPE	VARCHAR2(10)		Branch Type(LN = Line, XF = Transformer, ZBR = Zero Impedance Branch)
BRANCH_TO_INTERCONN_FLOWMULT	NUMBER(1,0)		Multiplier(1 or -1) used to convert from Branch Flow direction to Interconnector flow direction
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

21.24 Table: PASA_INTERCONNECTOR_MAPPING

21.24.1 PASA_INTERCONNECTOR_MAPPING

Name	PASA_INTERCONNECTOR_MAPPING
Comment	PASA_INTERCONNECTOR_MAPPING shows the mapping of each Interconnector to its From Region ID and To Region ID

21.24.2 Notes

Name	Comment	Value
Visibility		Public

21.24.3 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
VERSIONNO

21.24.4 Content

Name	Data Type	Mandatory	Comment
INTERCONNECTORID	VARCHAR2(20)	X	The identifier for this Interconnector
EFFECTIVEDATE	DATE	X	Effective date of this Interconnector mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
FROMREGIONID	VARCHAR2(20)		From Region ID for this Interconnector
TOREGIONID	VARCHAR2(20)		To Region ID for this Interconnector
INTERCONNECTOR_FULLNAME	VARCHAR2(50)		Full Name for this Interconnector
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

21.25 Table: PASA_INTERZONAL_BOUNDARY

21.25.1 PASA_INTERZONAL_BOUNDARY

Name	PASA_INTERZONAL_BOUNDARY
Comment	PASA_INTERZONAL_BOUNDARY shows the mapping of each Interzonal connector boundary to its constituent Energy Management System Branch IDs

21.25.2 Notes

Name	Comment	Value
Visibility		Public

21.25.3 Primary Key Columns

Name
BRANCHID
BRANCHSUBID
EFFECTIVEDATE

INTERZONALCONNECTORID

VERSIONNO

21.25.4 Content

Name	Data Type	Mandatory	Comment
INTERZONALCONNECTORID	VARCHAR2(50)	X	The identifier for this Interzonal connector
EFFECTIVEDATE	DATE	X	Effective date of this Interzonal connector boundary definition
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
BRANCHID	VARCHAR2(50)	X	Branch Identifier
BRANCHSUBID	VARCHAR2(50)	X	Branch Sub-Identifier
BRANCHFROMSUBSTATION	VARCHAR2(30)		Branch FromSubstation. Positive Branch Flow from FromSubstation to ToSubstation.
BRANCHTOSUBSTATION	VARCHAR2(30)		Branch ToSubstation. Positive Branch Flow from FromSubstation to ToSubstation.
BRANCHTYPE	VARCHAR2(10)		Branch Type(LN = Line, XF = Transformer, ZBR = Zero Impedance Branch)
BRANCH_TO_INTERZONAL_FLOWMULT	NUMBER(1,0)		Multiplier(1 or -1) used to convert from Branch Flow direction to Interzonal connector flow direction
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

21.26 Table: PASA_INTERZONAL_MAPPING

21.26.1 PASA_INTERZONAL_MAPPING

Name PASA_INTERZONAL_MAPPING

Comment PASA_INTERZONAL_MAPPING shows inter-zonal mapping details, including operating status.

21.26.2 Notes

Name	Comment	Value
Visibility		Public

21.26.3 Primary Key Columns

Name
EFFECTIVEDATE
INTERZONALCONNECTORID
VERSIONNO

21.26.4 Content

Name	Data Type	Mandatory	Comment
INTERZONALCONNECTORID	VARCHAR2(50)	X	The identifier for this Interzonal connector
EFFECTIVEDATE	DATE	X	Effective date of this InterZonal Mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
FROMZONEID	VARCHAR2(30)		The From ZoneId for this Interzonal connector
TOZONEID	VARCHAR2(30)		The To ZoneId for this Interzonal connector
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created
INTERZONALCONNECTOR_FULLNAME	VARCHAR2(50)		Full Name for this Interzonal connector

21.27 Table: PASA_SUBSTATION_ZONE_MAPPING

21.27.1 PASA_SUBSTATION_ZONE_MAPPING

Name	PASA_SUBSTATION_ZONE_MAPPING
Comment	PASA_SUBSTATION_ZONE_MAPPING shows the mapping of each Energy Management

System Substation ID to its parent Zone ID

21.27.2 Notes

Name	Comment	Value
Visibility		Public

21.27.3 Primary Key Columns

Name
EFFECTIVEDATE
SUBSTATIONID
VERSIONNO

21.27.4 Content

Name	Data Type	Mandatory	Comment
SUBSTATIONID	VARCHAR2(30)	X	The Energy Management System identifier for this Substation
EFFECTIVEDATE	DATE	X	Effective date of this Energy Management System Substation ID to Zone ID mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
ZONEID	VARCHAR2(30)		The identifier of the Zone to which this Energy Management System Substation ID belongs
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

21.28 Table: PASA_ZONE_REGION_MAPPING

21.28.1 PASA_ZONE_REGION_MAPPING

Name	PASA_ZONE_REGION_MAPPING

Comment	PASA_ZONE_REGION_MAPPING shows zone to region mapping details and provide the Region Reference Zone information.

21.28.2 Notes

Name	Comment	Value
Visibility		Public

21.28.3 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO
ZONEID

21.28.4 Content

Name	Data Type	Mandatory	Comment
ZONEID	VARCHAR2(30)	X	Zone identifier
EFFECTIVEDATE	DATE	X	Effective date of this Zone-Region Mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
REGIONID	VARCHAR2(20)		Region in which this Zone belongs
IS_RRN_ZONE	VARCHAR2(10)		YES or NO/<Blank>. LORCONDITION is only reported for supply deficits in a Zone that contains the Regional Reference Node
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

21.29 Table: PMS_GROUP

21.29.1 PMS_GROUP

Name	PMS_GROUP
Comment	Entity table for group

21.29.2 Notes

Name	Comment	Value
Visibility		Public

21.29.3 Primary Key Columns

Name
GROUPID

21.29.4 Content

Name	Data Type	Mandatory	Comment
GROUPID	NUMBER(20,0)	X	Abstract identifier for the group
CREATEDDATE	TIMESTAMP(3)		Date record was created
LASTCHANGED	TIMESTAMP(3)		Date record was last changed

21.30 Table: PMS_GROUPNMI

21.30.1 PMS_GROUPNMI

Name	PMS_GROUPNMI
Comment	Describe the NMIs that a group uses to provide its service

21.30.2 Notes

Name	Comment	Value
Visibility		Private

21.30.3 Primary Key Columns

Name
GROUPNMIID

21.30.4 Index Columns

Name
GROUPID
NMI

21.30.5 Content

Name	Data Type	Mandatory	Comment
GROUPNMIID	NUMBER(20,0)	X	Record Identifier of the NMI within a Group. When data is updated, existing record identifier is terminated, and new record identifier(s) are allocated.
GROUPID	NUMBER(20,0)		Group id of the Group which the NMI belongs in.
VERSIONFROM	TIMESTAMP(3)		Date for which this version is effective from
VERSIONTO	TIMESTAMP(3)		Date for which this version is effective to. Will be set to current day plus one if it is the current active record or past date if the record has been superseded/ended.
STARTDATE	TIMESTAMP(3)		Effective date of when this service started operation
ENDDATE	TIMESTAMP(3)		Date for which this version is effective to. Will be set to current day plus one if it is the current active record or past date if the record

			has been superseded/ended.
NMI	VARCHAR2(20)		National Meter Identifier linked to the group.
SITENAME	VARCHAR2(50)		Site name
NERRGROUPPREMISES	NUMBER(1,0)		Specifies whether NMI is in a NERR aggregated premises (TRUE = 1/FALSE = 0)
BASELINEMETHODOLOGYID	VARCHAR2(50)		Baseline methodology to be used for the PoL and Baseline assessment of the NMI
MRC	NUMBER(10,3)		Maximum responsive component for the NMI
MRCREASON	VARCHAR2(500)		Reason for the MRC
RETAILCUSTOMER	VARCHAR2(50)		Retail customer of the NMI
SUSPENDED	NUMBER(1,0)		Indicates whether the NMI has been suspended from use. (TRUE = 1/FALSE = 0)
UNAVAILABLE	NUMBER(1,0)		Indicates whether the NMI is unavailable for use. (TRUE = 1/FALSE = 0)
APPROVEDDATE	TIMESTAMP(3)		Date which this record was approved
LASTCHANGED	TIMESTAMP(3)		Date time which record was last changed

21.31 Table: PMS_GROUPSERVICE

21.31.1 PMS_GROUPSERVICE

Name PMS_GROUPSERVICE

Comment Describe the services a group provides and its relation to a market

21.31.2 Notes

Name	Comment	Value
Visibility		Public

21.31.3 Primary Key Columns

Name

GROUPSERVICEID

21.31.4 Index Columns

Name

ENTITYID

GROUPID

21.31.5 Content

Name	Data Type	Mandatory	Comment
GROUPSERVICEID	NUMBER(20,0)	X	Record identifier of the Service allocated to the Group. When data is updated, existing record identifier is terminated, and new record identifier(s) are allocated.
GROUPID	NUMBER(20,0)		Group id of the Group where the Service is attached to.
VERSIONFROM	TIMESTAMP(3)		Date for which this version is effective from.
VERSIONTO	TIMESTAMP(3)		Date for which this version is effective to. Will be set to max date 9999/12/31 23:59:59.999 until this version ends or a change to the version is required.
STARTDATE	TIMESTAMP(3)		Effective date of when this service started operation
ENDDATE	TIMESTAMP(3)		Effective date of when this service ended operation. Will be set to max date 9999/12/31 23:59:59.999 until its service ends or a change to the service is required.
MARKET	VARCHAR2(50)		Market that this group is operating its service in. Will only be NEM initially.
SERVICETYPE	VARCHAR2(50)		Service that this group is operating. Will be only be ENERGY initially
ENTITYTYPE	VARCHAR2(50)		Describes the entity that is operating. Will only be WDRU initially.
ENTITYID	VARCHAR2(50)		Describe the entity ID in the market that it will

			be operating in. Will only contain the DUID of the group initially.
MRC	NUMBER(10,3)		Maximum responsive component for the service offering
MRCREASON	VARCHAR2(500)		Reason for the MRC.
MAXIMUMRAMPRATEPERMIN	NUMBER(10,0)		Maximum ramp rate MW per minute of the service.
REGION	VARCHAR2(20)		Region the group is operating this service in One of NSW1, QLD1, VIC1, SA1 or TAS1
APPROVEDDATE	TIMESTAMP(3)		Date which this record was approved
LASTCHANGED	TIMESTAMP(3)		Date time which record was last changed

21.32 Table: STADUALLOC

21.32.1 STADUALLOC

Name	STADUALLOC
Comment	STADUALLOC sets out details on the allocation of dispatchable units to particular sites or stations.

21.32.2 Description

STADUALLOC is public data, and is available to all participants.

Source

STADUALLOC is updated whenever there is a station configuration change or new unit registration.

21.32.3 Notes

Name	Comment	Value
Visibility		Public

21.32.4 Primary Key Columns

Name

DUID

EFFECTIVEDATE

STATIONID

VERSIONNO

21.32.5 Index Columns

Name

LASTCHANGED

21.32.6 Index Columns

Name

STATIONID

EFFECTIVEDATE

VERSIONNO

21.32.7 Index Columns

Name

DUID

21.32.8 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
EFFECTIVEDATE	DATE	X	Effective date of this record
STATIONID	VARCHAR2(10)	X	Station Identifier
VERSIONNO	NUMBER(3,0)	X	Version no of this record for the effective date
LASTCHANGED	DATE		Last date and time record changed

21.33 Table: STATION

21.33.1 STATION

Name	STATION
Comment	STATION sets out valid station identifiers.

21.33.2 Description

STATION is public data, and is available to all participants.

Source

STATION updates whenever there is a station configuration change or new unit registration.

21.33.3 Notes

Name	Comment	Value
Visibility		Public

21.33.4 Primary Key Columns

Name
STATIONID

21.33.5 Index Columns

Name
LASTCHANGED

21.33.6 Content

Name	Data Type	Mandatory	Comment
STATIONID	VARCHAR2(10)	X	Station Identifier

STATIONNAME	VARCHAR2(80)		Full name of station
ADDRESS1	VARCHAR2(80)		Station Address
ADDRESS2	VARCHAR2(80)		Station Address
ADDRESS3	VARCHAR2(80)		Station Address
ADDRESS4	VARCHAR2(80)		Station Address
CITY	VARCHAR2(40)		City
STATE	VARCHAR2(10)		State of Australia
POSTCODE	VARCHAR2(10)		Post Code
LASTCHANGED	DATE		Last date and time record changed
CONNECTIONPOINTID	VARCHAR2(10)		Not used. Do not use as the Connection Point Identifier for station load

21.34 Table: STATIONOPERATINGSTATUS

21.34.1 STATIONOPERATINGSTATUS

Name	STATIONOPERATINGSTATUS
Comment	STATIONOPERATINGSTATUS sets out the operating status of each station.

21.34.2 Description

STATIONOWNER is public data, and is available to all participants.

Source

STATIONOWNER is updated whenever there is a change in the station owner or new units are registered.

21.34.3 Notes

Name	Comment	Value
Visibility		Public

21.34.4 Primary Key Columns

Name

EFFECTIVEDATE

STATIONID

VERSIONNO

21.34.5 Index Columns

Name

LASTCHANGED

21.34.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of this record
STATIONID	VARCHAR2(10)	X	Unique station identifier
VERSIONNO	NUMBER(3,0)	X	Version no of record within the effective date
STATUS	VARCHAR2(20)		The operating status of this station, valid values are COMMISSIONED and DECOMMISSIONED
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed

21.35 Table: STATIONOWNER

21.35.1 STATIONOWNER

Name STATIONOWNER

Comment STATIONOWNER sets out the owner details of each station.

21.35.2 Description

STATIONOWNER is public data, and is available to all participants.

Source

STATIONOWNER is updated whenever there is a change in the station owner or new units are registered.

21.35.3 Notes

Name	Comment	Value
Visibility		Public

21.35.4 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
STATIONID
VERSIONNO

21.35.5 Index Columns

Name
LASTCHANGED

21.35.6 Index Columns

Name
STATIONID
EFFECTIVEDATE
VERSIONNO

21.35.7 Index Columns

Name

PARTICIPANTID

21.35.8 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of this record
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
STATIONID	VARCHAR2(10)	X	Station Identifier
VERSIONNO	NUMBER(3,0)	X	Version no of record within the effective date
LASTCHANGED	DATE		Last date and time record changed

21.36 Table: STATIONOWNERTRK

21.36.1 STATIONOWNERTRK

Name	STATIONOWNERTRK
Comment	STATIONOWNERTRK shows the tracking for the associated object STATIONOWNER. Together, STATIONOWNERTRK and STATIONOWNER sets out the owner details of each station.

21.36.2 Description

STATIONOWNER is public data, and is available to all participants.

Source

STATIONOWNER is updated whenever there is a change in the station owner or new units are registered.

21.36.3 Notes

Name	Comment	Value
Visibility		Public

21.36.4 Primary Key Columns

Name

EFFECTIVEDATE

PARTICIPANTID

VERSIONNO

21.36.5 Index Columns

Name

LASTCHANGED

21.36.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of this record
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
VERSIONNO	NUMBER(3,0)	X	Version no of record within the effective date
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed

22 Package: PRE_DISPATCH

Name PRE_DISPATCH

Comment Results from a published Predispatch Run

Storage options

There are 2 ways to define the Pre-dispatch table primary keys (PKs) to define which data is loaded to the database and which data is retained:

Option 1 (default)

Overwrite older records when they are succeeded by later versions for the same entity and period. This is the Data Model default and results in the consumption of far less storage. Data Model updates issued by AEMO target this configuration so participants implementing option 2a or 2b must maintain their changes when AEMO releases a new Data Model version.

PredispatchLoad: DateTime, DUID

PredispatchInterconnectorRes: DateTime, InterconnectorID,

PredispatchPrice: DateTime, RegionID

PredispatchPriceSensitivities: DateTime, RegionID

PredispatchInterSensitivities: InterconnectorID, DateTime

PredispatchRegionsum: DateTime, RegionID

Option 2a

Retain only the Pricing records for tables relating to Price data and Physical records for tables relating to Physical data (e.g. targets). Approximately 50 times more storage volumes than option 1.

PredispatchLoad: PredispatchSeqNo, DateTime, DUID

PredispatchInterconnectorRes: PredispatchSeqNo, DateTime, InterconnectorID,

PredispatchPrice: PredispatchSeqNo, DateTime, RegionID

PredispatchPriceSensitivities: PredispatchSeqNo, DateTime, RegionID

PredispatchInterSensitivities: PredispatchSeqNo, DateTime, InterconnectorID

PredispatchRegionsum: PredispatchSeqNo, DateTime, RegionID

Option 2b

Retain both Physical and Pricing data for Intervention runs. If Intervention

cases are stored in entirety, you must select the data carefully. The logic is the same as for Dispatch, i.e. Intervention Pricing is always where Intervention = 0 and Physical data is where Intervention = PredispatchCaseSolution.Intervention for the same PredispatchSeqNo.

Doubles the storage of option 2a but ONLY for Intervened cases.

PredispatchLoad: PredispatchSeqNo, Intervention, DateTime, DUID

PredispatchInterconnectorRes: PredispatchSeqNo, Intervention,DateTime, InterconnectorID,

PredispatchPrice: PredispatchSeqNo, Intervention, DateTime, RegionID

PredispatchPriceSensitivities: PredispatchSeqNo, Intervention, DateTime, RegionID

PredispatchInterSensitivities: PredispatchSeqNo, Intervention, DateTime, InterconnectorID

PredispatchRegionsum: PredispatchSeqNo, Intervention, DateTime, RegionID

Notes:

The data in the PredispatchIS file is always ordered so the pdrLoader writes the relevant data first and discards the subsequent irrelevant data, or writes the subsequent data, depending on how the PKs are defined.

You may order the PKs in a different order, depending on your local requirements. Any decision to change the PK column composition or order must consider the functional and performance impacts to existing applications or queries.

The pdrLoader caches PK definitions for performance reasons so any change to the PKs requires a restart of the application.

The TRANSACTION_TYPE default in the PDR_REPORT_RECORDS management tables for PREDISPATCH* tables is UPDATE-INSERT. You can modify this to INSERT for Option 2b, as the attempt to first perform an update becomes redundant. This can improve load performance.

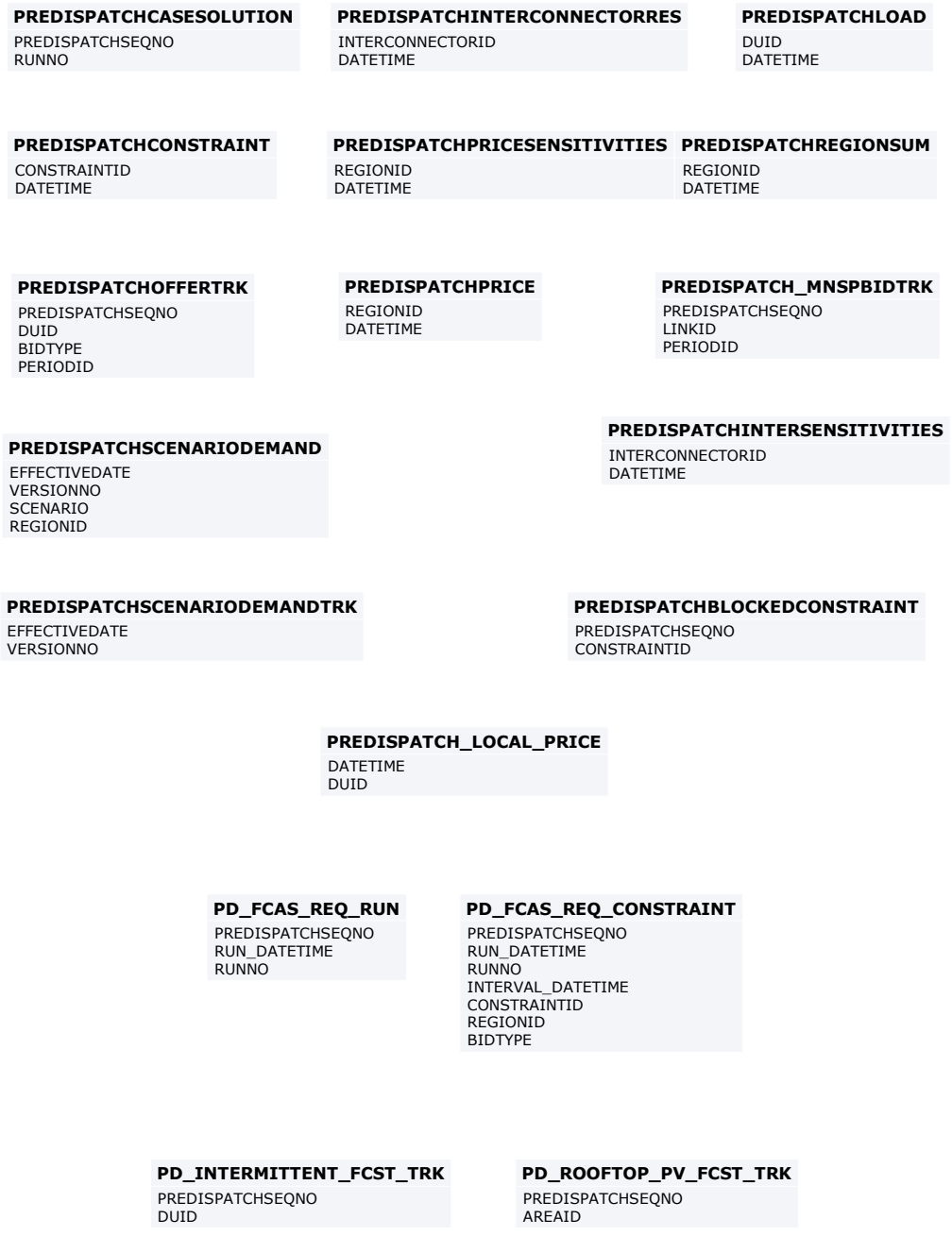
22.1 List of tables

Name	Comment	Visibility
PD_FCAS_REQ_CONSTRAINT	The constraint level FCAS cost / price details for constraint FCAS processor runs. This enhanced output table format is established for the constraint FCAS	Public

	processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.	
PD_FCAS_REQ_RUN	The constraint FCAS processor run details. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.	Public
PD_INTERMITTENT_FCST_TRK	Uniquely tracks which Intermittent Generation forecast run (from INTERMITTENT_GEN_FCST_RUN) was used for the DUID in which Pre-dispatch run.	Private & Public Next-Day
PD_ROOFTOP_PV_FCST_TRK	Uniquely tracks which Rooftop PV forecast run (from ROOFTOP_PV_FCST_RUN) was used for the Area in which Pre-dispatch run.	Public
PREDISPATCH_LOCAL_PRICE	Sets out local pricing offsets associated with each DUID connection point for each dispatch period	Private & Public Next-Day
PREDISPATCH_MNSPBIDTRK	PREDISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each predispatch run for each MNSP Interconnector Link. PREDISPATCH_MNSPBIDTRK shows the audit trail of the bid used for each predispatch run.	Public
PREDISPATCHBLOCKEDCONSTRAINT	PREDISPATCH Blocked Constraints lists any constraints that were blocked in a Predispatch run. If no constraints are blocked, there will be no rows for that predispatch run.	Public
PREDISPATCHCASESOLUTION	PREDISPATCHCASESOLUTION provides information relating to the complete predispatch run. The fields provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies.	Public
PREDISPATCHCONSTRAINT	PREDISPATCHCONSTRAINT sets out constraints that are binding in each predispatch run and interconnector constraints (whether binding or not). Only binding and interconnector constraints are reported. Binding contracts have marginal value greater than $0. Interconnector constraints are listed	Private & Public Next-Day

	so RHS values can be reported for ST PASA. Constraint solutions only report fixed loading /MR constraints on the next day.	
PREDISPATCHINTERCONNECTORRES	PREDISPATCHINTERCONNECTORRES records Interconnector flows and losses for the periods calculated in each predispatch run. Only binding and interconnector constraints are reported. Some fields are for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraint setting the energy import and export limits.	Public
PREDISPATCHINTERSENSITIVITIES	PREDISPATCHINTERSENSITIVITIES sets out the sensitivity flows for each interconnector by period.	Public
PREDISPATCHLOAD	PREDISPATCHLOAD shows pre-dispatch targets for each dispatchable unit, including additional fields to handle the Ancillary Services functionality. No record is written where a unit is not dispatched. PREDISPATCHLOAD shows all the results for each period.	Private & Public Next-Day
PREDISPATCHOFFERTRK	PREDISPATCHOFFERTRK is for the ancillary service bid tracking of predispatch processing. PREDISPATCHOFFERTRK identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and ancillary service for each predispatch run.	Private & Public Next-Day
PREDISPATCHPRICE	PREDISPATCHPRICE records predispatch prices for each region by period for each predispatch run, including fields to handle the Ancillary Services functionality.	Public
PREDISPATCHPRICESENSITIVITIES	PREDISPATCHPRICESENSITIVITIES sets out the sensitivity prices for each region by period.	Public
PREDISPATCHREGIONSUM	PREDISPATCHREGIONSUM sets out the overall regional Pre-Dispatch results for base case details (excluding price).	Public
PREDISPATCHSCENARIODEMAND	PREDISPATCHSCENARIODEMAND defines the demand offsets that are applied for each of the predispatch sensitivity scenarios.	Public
PREDISPATCHSCENARIODEMANDTRK	Tracks the predispatch scenario offset updates across time	Public

22.2 Diagram: Entities: Predispatch



22.3 Table: PD_FCAS_REQ_CONSTRAINT

22.3.1 PD_FCAS_REQ_CONSTRAINT

Name	PD_FCAS_REQ_CONSTRAINT
Comment	The constraint level FCAS cost / price details for constraint FCAS processor runs. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.

22.3.2 Notes

Name	Comment	Value
Visibility		Public

22.3.3 Primary Key Columns

Name

BIDTYPE

CONSTRAINTID

INTERVAL_DATETIME

PREDISPATCHSEQNO

REGIONID

RUN_DATETIME

RUNNO

22.3.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Predispatch sequence number for the 30 minute predispatch case that triggers the constraint FCAS processor run

RUN_DATETIME	DATE	X	The run date and time of the 30 minute predispatch case that triggers the constraint FCAS processor run
RUNNO	NUMBER(5)	X	The 30 minute predispatch case run number that has triggers the constraint FCAS processor run
INTERVAL_DATETIME	DATE	X	The 30 minute interval date and time of the 30 minute predispatch interval that was processed by the constraint FCAS processor
CONSTRAINTID	VARCHAR2(20)	X	ConstraintID join to table GenConData
REGIONID	VARCHAR2(20)	X	Region identifier
BIDTYPE	VARCHAR2(10)	X	DUID offered type
LHS	NUMBER(15,5)		Constraints summed LHS - aggregate LHS Solution values from the physical run from the PREDISPATCHCONSTRAINT table
RHS	NUMBER(15,5)		Constraints RHS value used in the solution - may be either dynamic (calculated) or static from the physical run from the PREDISPATCHCONSTRAINT table
MARGINALVALUE	NUMBER(15,5)		Shadow price of constraint from the PREDISPATCHCONSTRAINT table from the physical run.
RRP	NUMBER(15,5)		Bid type prices for the region coming from the pricing run of the PREDISPATCHREGIONSUM table
REGIONAL_ENABLEMENT	NUMBER(15,5)		The dispatched MW for the bid type inside the region from the physical run of the PREDISPATCHREGIONSUM table
CONSTRAINT_ENABLEMENT	NUMBER(15,5)		MW enabled for this bid type within the constraint
REGION_BASE_COST	NUMBER(18,8)		The regional payment allocated to the constraint for the interval pro-rated based on marginal value ratios over the binding constraints for that service in that region (this is an intermediate calculation to get to the base cost)
BASE_COST	NUMBER(18,8)		The base cost of the constraint, before the regulation/contingency split

ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, after the regulation/contingency split
P_REGULATION	NUMBER(18,8)		The adjusted marginal value of the constraint for FPP recovery (blank for constraints without REG terms)

22.4 Table: PD_FCAS_REQ_RUN

22.4.1 PD_FCAS_REQ_RUN

Name PD_FCAS_REQ_RUN

Comment The constraint FCAS processor run details. This enhanced output table format is established for the constraint FCAS processor release required for the Frequency Performance Payments (FPP) release. This enhanced output is hierarchical in nature, with the parent *_FCAS_REQ_RUN table holding the details about the triggering case run and time, and the child *_FCAS_REQ_CONSTRAINT table holding the constraint level details of FCAS costs / prices.

22.4.2 Notes

Name	Comment	Value
Visibility		Public

22.4.3 Primary Key Columns

Name

PREDISPATCHSEQNO

RUN_DATETIME

RUNNO

22.4.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Predispatch sequence number for the 30 minute predispatch case that triggers the

			constraint FCAS processor run
RUN_DATETIME	DATE	X	The run date and time of the 30 minute predispatch case that triggers the constraint FCAS processor run
RUNNO	NUMBER(5)	X	The 30 minute predispatch case run number that has triggers the constraint FCAS processor run
LASTCHANGED	DATE		The last time the constraint FCAS processor was executed for this case run time.

22.5 Table: PD_INTERMITTENT_FCST_TRK

22.5.1 PD_INTERMITTENT_FCST_TRK

Name PD_INTERMITTENT_FCST_TRK

Comment Uniquely tracks which Intermittent Generation forecast run (from INTERMITTENT_GEN_FCST_RUN) was used for the DUID in which Pre-dispatch run.

22.5.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

22.5.3 Primary Key Columns

Name

DUID

PREDISPATCHSEQNO

22.5.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of Pre-dispatch run in the form YYYYMMDDPP with 01 at 04:30.

DUID	VARCHAR2(20)	X	Dispatchable unit identifier, tracks to INTERMITTENT_GEN_FCST_RUN.DUID.
FORECAST_RUN_DATETIME	DATE		Datetime (interval ending) when this forecast run is valid. It aligns with run_datetime, unless a forecast run is missed, in this case the previous run is used. Tracks to INTERMITTENT_GEN_FCST_RUN.FORECAST_RUN_DATETIME.
PROVIDERID	VARCHAR2(20)		Provider of the forecast run used for the PD run, tracks to INTERMITTENT_GEN_FCST_RUN.PROVIDERID.
FORECAST_PRIORITY	NUMBER(10,0)		Priority of the forecast run used for the PD run, tracks to INTERMITTENT_GEN_FCST_RUN.FORECAST_PRIORITY.
OFFERDATETIME	DATE		Submission datetime of the forecast run used for the PD run, tracks to INTERMITTENT_GEN_FCST_RUN.OFFERDATETIME.

22.6 Table: PD_ROOFTOP_PV_FCST_TRK

22.6.1 PD_ROOFTOP_PV_FCST_TRK

Name PD_ROOFTOP_PV_FCST_TRK

Comment Uniquely tracks which Rooftop PV forecast run (from ROOFTOP_PV_FCST_RUN) was used for the Area in which Pre-dispatch run.

22.6.2 Notes

Name	Comment	Value
Visibility		Public

22.6.3 Primary Key Columns

Name
AREAID

PREDISPATCHSEQNO

22.6.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of Pre-dispatch run in the form YYYYMMDDPP with 01 at 04:30.
AREAID	VARCHAR2(10)	X	Area identifier aligning with the load forecasting areas, tracks to ROOFTOP_PV_FCST_RUN.AREAID.
FORECAST_RUN_DATETIME	DATE		Datetime (interval ending) when the forecast run is valid. It would align with run_datetime, unless a forecast run is missed, in this case the previous run will be used. Tracks to ROOFTOP_PV_FCST_RUN.FORECAST_RUN_DATETIME.
PROVIDERID	VARCHAR2(20)		Provider identifier of the forecast run used for the PD run, tracks to ROOFTOP_PV_FCST_RUN.PROVIDERID.
FORECAST_PRIORITY	NUMBER(10,0)		Priority of the forecast run used for the PD run, tracks to ROOFTOP_PV_FCST_RUN.FORECAST_PRIORITY.
OFFERDATETIME	DATE		Submission datetime of the forecast run used for the PD run, tracks to ROOFTOP_PV_FCST_RUN.OFFERDATETIME.

22.7 Table: PREDISPATCH_LOCAL_PRICE

22.7.1 PREDISPATCH_LOCAL_PRICE

Name PREDISPATCH_LOCAL_PRICE

Comment Sets out local pricing offsets associated with each DUID connection point for each dispatch period

22.7.2 Notes

Name Comment Value

Visibility	Private & Public Next-Day

22.7.3 Primary Key Columns

Name

DATETIME

DUID

22.7.4 Index Columns

Name

DATETIME

DUID

22.7.5 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
DATETIME	DATE	X	The unique identifier for the interval within this study
DUID	VARCHAR2(20)	X	Dispatchable unit identifier
PERIODID	VARCHAR2(20)		A period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period
LOCAL_PRICE_ADJUSTMENT	NUMBER(10, 2)		Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints
LOCALLY_CONSTRAINED	NUMBER(1,0)		Key for Local_Price_Adjustment: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
LASTCHANGED	DATE		Last date and time record changed

22.8 Table: PREDISPATCH_MNSPBIDTRK

22.8.1 PREDISPATCH_MNSPBIDTRK

Name	PREDISPATCH_MNSPBIDTRK
Comment	PREDISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each predispatch run for each MNSP Interconnector Link. PREDISPATCH_MNSPBIDTRK shows the audit trail of the bid used for each predispatch run.

22.8.2 Description

Source

Own (confidential) data updates every predispatch run. All bids are available to all participants as part of next day market data.

Volume

1, 700, 000 per year

22.8.3 Notes

Name	Comment	Value
Visibility		Public

22.8.4 Primary Key Columns

Name
LINKID
PERIODID
PREDISPATCHSEQNO

22.8.5 Index Columns

Name
LASTCHANGED

22.8.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Predispatch run identifier
LINKID	VARCHAR2(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
PERIODID	VARCHAR2(20)	X	Trading Interval number
PARTICIPANTID	VARCHAR2(10)		Participant Identifier
SETTLEMENTDATE	DATE		Market Date from which bid is active
OFFERDATE	TIMESTAMP(3)		Time this bid was processed and loaded
VERSIONNO	NUMBER(3,0)		Version No. for given offer date and settlement date used
DATETIME	DATE		Period expressed as Date/Time
LASTCHANGED	DATE		Record creation timestamp

22.9 Table: PREDISPATCHBLOCKEDCONSTRAINT

22.9.1 PREDISPATCHBLOCKEDCONSTRAINT

Name PREDISPATCHBLOCKEDCONSTRAINT

Comment PREDISPATCH Blocked Constraints lists any constraints that were blocked in a Predispatch run. If no constraints are blocked, there will be no rows for that predispatch run.

22.9.2 Notes

Name	Comment	Value
Visibility		Public

22.9.3 Primary Key Columns

Name

CONSTRAINTID

PREDISPATCHSEQNO

22.9.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint identifier (synonymous with GenConID)

22.10 Table: PREDISPATCHCASESOLUTION

22.10.1 PREDISPATCHCASESOLUTION

Name	PREDISPATCHCASESOLUTION
Comment	PREDISPATCHCASESOLUTION provides information relating to the complete predispatch run. The fields provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies.

22.10.2 Description

PREDISPATCHCASESOLUTION data is public, so is available to all participants.

Source

PREDISPATCHCASESOLUTION updates every half-hour.

Volume

Approximately 48 records per day.

22.10.3 Notes

Name	Comment	Value
Visibility		Public

22.10.4 Primary Key Columns

Name

PREDISPATCHSEQNO

RUNNO

22.10.5 Index Columns

Name

LASTCHANGED

22.10.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)	X	Predispatch run no, normally 1.
SOLUTIONSTATUS	NUMBER(2,0)		If non-zero indicated one of the following conditions: 1 = Supply Scarcity, Excess generation or constraint violations, -X = Model failure
SPDVERSION	VARCHAR2(20)		Current version of SPD
NONPHYSICALLOSSES	NUMBER(1,0)		Non-Physical Losses algorithm invoked during this run
TOTALOBJECTIVE	NUMBER(27,10)		The Objective function from the LP
TOTALAREAGENVIOLATION	NUMBER(15,5)		Total Region Demand violations
TOTALINTERCONNECTORVIOLATION	NUMBER(15,5)		Total interconnector violations
TOTALGENERICVIOLATION	NUMBER(15,5)		Total generic constraint violations
TOTALRAMPRATEVIOLATION	NUMBER(15,5)		Total ramp rate violations
TOTALUNITMWCAPACITYVIOLATION	NUMBER(15,5)		Total unit capacity violations

TOTAL5MINVIOLATION	NUMBER(15,5)		Total of 5 minute ancillary service region violations
TOTALREGVIOLATION	NUMBER(15,5)		Total of Regulation ancillary service region violations
TOTAL6SECVIOLATION	NUMBER(15,5)		Total of 6 second ancillary service region violations
TOTAL60SECVIOLATION	NUMBER(15,5)		Total of 60 second ancillary service region violations
TOTALASPROFILEVIOLATION	NUMBER(15,5)		Total of ancillary service trader profile violations
TOTALENERGYCONSTRVIOLATION	NUMBER(15,5)		Total of Energy Constrained unit offer violations.
TOTALENERGYOFFERVIOLATION	NUMBER(15,5)		Total of unit summated offer band violations
LASTCHANGED	DATE		Last date and time record changed
INTERVENTION	NUMBER(2,0)		Flag to indicate if this Pre-Dispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run. This field has a default value of 0 and is not nullable

22.11 Table: PREDISPATCHCONSTRAINT

22.11.1 PREDISPATCHCONSTRAINT

Name PREDISPATCHCONSTRAINT

Comment PREDISPATCHCONSTRAINT sets out constraints that are binding in each predispatch run and interconnector constraints (whether binding or not). Only binding and interconnector constraints are reported. Binding contracts have marginal value greater than $0. Interconnector constraints are listed so RHS values can be reported for ST PASA.

Constraint solutions only report fixed loading /MR constraints on the next day.

22.11.2 Description

PREDISPATCHCONSTRAINT data is confidential on the day of creation, and public to all participants after the end of the market day.

Source

PREDISPATCHCONSTRAINT updates with every thirty-minute predispatch run.

Note

The PERIODID columns in tables PREDISPATCHCONSTRAINT and PREDISPATCH_FCAS_REQ have no consistent relationship with the other PERIODID values in the other tables in the PRE-DISPATCH package (such as PREDISPATCHPRICE). AEMO and many Participants appreciate the data model is inconsistent, but the cost of changing existing systems has been judged as being unjustifiable. An additional field DATETIME was added to allow joins between these data sets.

22.11.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

22.11.4 Primary Key Columns

Name
CONSTRAINTID
DATETIME

22.11.5 Index Columns

Name
PREDISPATCHSEQNO

22.11.6 Index Columns

Name
LASTCHANGED

22.11.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30

RUNNO	NUMBER(3,0)		SPD Predispatch run no, typically 1. It increments if the case is re-run.
CONSTRAINTID	VARCHAR2(20)	X	Generic constraint identifier
PERIODID	VARCHAR2(20)		Unique period identifier, in the format yyyymmddpp. The period (pp) is 01 to 48, with 01 corresponding to the half-hour ending at 04:30am.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
RHS	NUMBER(15,5)		RHS value used.
MARGINALVALUE	NUMBER(15,5)		Marginal value of violated constraint
VIOLATIONDEGREE	NUMBER(15,5)		Degree of constraint violation
LASTCHANGED	DATE		Last date and time record changed
DATETIME	DATE	X	Period date and time
DUID	VARCHAR2(20)		DUID to which the Constraint is confidential. Null denotes non-confidential
GENCONID_EFFECTIVEDATE	DATE		Effective date of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval
GENCONID_VERSIONNO	NUMBER(22,0)		Version number of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval
LHS	number(15,5)		Aggregation of the constraints LHS term solution values

22.12 Table: PREDISPATCHINTERCONNECTORRES

22.12.1 PREDISPATCHINTERCONNECTORRES

Name PREDISPATCHINTERCONNECTORRES

Comment	PREDISPATCHINTERCONNECTORRES records Interconnector flows and losses for the periods calculated in each predispatch run. Only binding and interconnector constraints are reported. Some fields are for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraint setting the energy import and export limits.

22.12.2 Description

Source

PREDISPATCHINTERCONNECTORRES updates with every thirty-minute predispatch run.

Note

MW losses can be negative depending on the flow.

The definition of direction of flow for an interconnector is that positive flow starts from the FROMREGION in INTERCONNECTOR.

22.12.3 Notes

Name	Comment	Value
Visibility		Public

22.12.4 Primary Key Columns

Name
DATETIME
INTERCONNECTORID

22.12.5 Index Columns

Name
PREDISPATCHSEQNO

22.12.6 Index Columns

Name
LASTCHANGED

22.12.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)		SPD Predispatch run no, typically 1. It increments if the case is re-run.
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier
PERIODID	VARCHAR2(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
METEREDMWFLOW	NUMBER(15,5)		Metered MW Flow from EMS. For periods subsequent to the first period of a Pre-Dispatch run, this value represents the cleared target for the previous period of that Pre-Dispatch run.
MWFLOW	NUMBER(15,5)		Calculated MW Flow
MWLOSSES	NUMBER(15,5)		Calculated MW Losses
MARGINALVALUE	NUMBER(15,5)		$ Marginal value of interconnector constraint from SPD
VIOLATIONDEGREE	NUMBER(15,5)		Degree of violation of interconnector constraint in MW
LASTCHANGED	DATE		Last changed.
DATETIME	DATE	X	Period date and time
EXPORTLIMIT	NUMBER(15,5)		Calculated export limit.
IMPORTLIMIT	NUMBER(15,5)		Calculated import limit.
MARGINALLOSS	NUMBER(15,5)		Marginal loss factor. Use this to adjust bids between reports.

EXPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the export limit
IMPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy + FCAS.
FCASIMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy + FCAS.
LOCAL_PRICE_ADJUSTMENT_EXPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINED_EXPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
LOCAL_PRICE_ADJUSTMENT_IMPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINED_IMPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints

22.13 Table: PREDISPATCHINTERSENSITIVITIES

22.13.1 PREDISPATCHINTERSENSITIVITIES

Name PREDISPATCHINTERSENSITIVITIES

Comment PREDISPATCHINTERSENSITIVITIES sets out the sensitivity flows for each interconnector by period.

22.13.2 Notes

Name	Comment	Value
Visibility		Public

22.13.3 Primary Key Columns

Name

DATETIME

INTERCONNECTORID

22.13.4 Index Columns

Name

LASTCHANGED

22.13.5 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)		LP Solver Predispatch run no, typically 1. It increments if the case is re-run.
INTERCONNECTORID	VARCHAR2(10)	X	Unique interconnector identifier
PERIODID	VARCHAR2(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
DATETIME	DATE	X	Period date and time
INTERVENTION_ACTIVE	NUMBER(1,0)		Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes
MWFLOW1	NUMBER(15,5)		MW flow for given Interconnector for scenario 1
MWFLOW2	NUMBER(15,5)		MW flow for given Interconnector for scenario

			2
MWFLOW3	NUMBER(15,5)		MW flow for given Interconnector for scenario 3
MWFLOW4	NUMBER(15,5)		MW flow for given Interconnector for scenario 4
MWFLOW5	NUMBER(15,5)		MW flow for given Interconnector for scenario 5
MWFLOW6	NUMBER(15,5)		MW flow for given Interconnector for scenario 6
MWFLOW7	NUMBER(15,5)		MW flow for given Interconnector for scenario 7
MWFLOW8	NUMBER(15,5)		MW flow for given Interconnector for scenario 8
MWFLOW9	NUMBER(15,5)		MW flow for given Interconnector for scenario 9
MWFLOW10	NUMBER(15,5)		MW flow for given Interconnector for scenario 10
MWFLOW11	NUMBER(15,5)		MW flow for given Interconnector for scenario 11
MWFLOW12	NUMBER(15,5)		MW flow for given Interconnector for scenario 12
MWFLOW13	NUMBER(15,5)		MW flow for given Interconnector for scenario 13
MWFLOW14	NUMBER(15,5)		MW flow for given Interconnector for scenario 14
MWFLOW15	NUMBER(15,5)		MW flow for given Interconnector for scenario 15
MWFLOW16	NUMBER(15,5)		MW flow for given Interconnector for scenario 16
MWFLOW17	NUMBER(15,5)		MW flow for given Interconnector for scenario 17
MWFLOW18	NUMBER(15,5)		MW flow for given Interconnector for scenario 18
MWFLOW19	NUMBER(15,5)		MW flow for given Interconnector for scenario 19

MWFLOW20	NUMBER(15,5)		MW flow for given Interconnector for scenario 20
MWFLOW21	NUMBER(15,5)		MW flow for given Interconnector for scenario 21
MWFLOW22	NUMBER(15,5)		MW flow for given Interconnector for scenario 22
MWFLOW23	NUMBER(15,5)		MW flow for given Interconnector for scenario 23
MWFLOW24	NUMBER(15,5)		MW flow for given Interconnector for scenario 24
MWFLOW25	NUMBER(15,5)		MW flow for given Interconnector for scenario 25
MWFLOW26	NUMBER(15,5)		MW flow for given Interconnector for scenario 26
MWFLOW27	NUMBER(15,5)		MW flow for given Interconnector for scenario 27
MWFLOW28	NUMBER(15,5)		MW flow for given Interconnector for scenario 28
MWFLOW29	NUMBER(15,5)		MW flow for given Interconnector for scenario 29
MWFLOW30	NUMBER(15,5)		MW flow for given Interconnector for scenario 30
MWFLOW31	NUMBER(15,5)		MW flow for given Interconnector for scenario 31
MWFLOW32	NUMBER(15,5)		MW flow for given Interconnector for scenario 32
MWFLOW33	NUMBER(15,5)		MW flow for given Interconnector for scenario 33
MWFLOW34	NUMBER(15,5)		MW flow for given Interconnector for scenario 34
MWFLOW35	NUMBER(15,5)		MW flow for given Interconnector for scenario 35
MWFLOW36	NUMBER(15,5)		MW flow for given Interconnector for scenario 36
MWFLOW37	NUMBER(15,5)		MW flow for given Interconnector for scenario

			37
MWFLOW38	NUMBER(15,5)		MW flow for given Interconnector for scenario 38
MWFLOW39	NUMBER(15,5)		MW flow for given Interconnector for scenario 39
MWFLOW40	NUMBER(15,5)		MW flow for given Interconnector for scenario 40
MWFLOW41	NUMBER(15,5)		MW flow for given Interconnector for scenario 41
MWFLOW42	NUMBER(15,5)		MW flow for given Interconnector for scenario 42
MWFLOW43	NUMBER(15,5)		MW flow for given Interconnector for scenario 43
LASTCHANGED	DATE		Last date and time record changed

22.14 Table: PREDISPATCHLOAD

22.14.1 PREDISPATCHLOAD

Name PREDISPATCHLOAD

Comment PREDISPATCHLOAD shows pre-dispatch targets for each dispatchable unit, including additional fields to handle the Ancillary Services functionality. No record is written where a unit is not dispatched. PREDISPATCHLOAD shows all the results for each period.

22.14.2 Description

Source

Own (confidential) data updates every thirty minutes, with whole market data for the day before available as part of next day market data.

Note

** A flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The flag is defined using the low 3 bits as follows:

Flag Name	Bit	Description
Enabled	0	The unit is enabled to provide this ancillary service type.
Trapped	1	The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market.
Stranded	2	The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service.

Interpretation of the bit-flags as a number gives the following possibilities (i.e. other combinations are not possible):

Numeric Value	Bit (2,1,0)	Meaning
0	000	Not stranded, not trapped, not enabled.
1	001	Not stranded, not trapped, is enabled.
3	011	Not stranded, is trapped, is enabled.
4	100	Is stranded, not trapped, not enabled.

For example, testing for availability can be done by checking for odd (=available) or even (=unavailable) number (e.g. `mod(flag,2)` results in 0 for unavailable and 1 for available).

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

22.14.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

22.14.4 Primary Key Columns

Name
DATETIME
DUID

22.14.5 Index Columns

Name
LASTCHANGED

22.14.6 Index Columns

Name
DUID
LASTCHANGED

22.14.7 Index Columns

Name

PREDISPATCHSEQNO

22.14.8 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)		SPD Predispatch run no, typically 1. It increments if the case is re-run.
DUID	VARCHAR2(10)	X	Dispatchable unit identifier for fast start
TRADETYPE	NUMBER(2,0)		Not used
PERIODID	VARCHAR2(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
CONNECTIONPOINTID	VARCHAR2(12)		Connection point identifier
AGCSTATUS	NUMBER(2,0)		AGC Status from EMS
DISPATCHMODE	NUMBER(2,0)		Dispatch mode of unit for fast start (1-4)
INITIALMW	NUMBER(15,5)		Initial MW at start of first period. For periods subsequent to the first period of a Pre-Dispatch run, this value represents the cleared target for the previous period of that Pre-Dispatch run. Negative values when Bi-directional Unit start from importing power, otherwise positive.
TOTALCLEARED	NUMBER(15,5)		Target MW for end of period. Negative values when Bi-directional Unit is importing power, otherwise positive.

LOWER5MIN	NUMBER(15,5)		Lower 5 min MW target in period
LOWER60SEC	NUMBER(15,5)		Lower 60 sec MW target in period
LOWER6SEC	NUMBER(15,5)		Lower 6 sec MW target in period
RAISE5MIN	NUMBER(15,5)		Raise 5 min MW target in period
RAISE60SEC	NUMBER(15,5)		Raise 60 sec MW target in period
RAISE6SEC	NUMBER(15,5)		Raise 6 sec MW target in period
RAMPDOWNRATE	NUMBER(15,5)		Ramp down rate in period in MW/minute
RAMPUPRATE	NUMBER(15,5)		Ramp up rate in period in MW/minute
DOWNEPF	NUMBER(15,5)		Not used in Pre-Dispatch
UPEPF	NUMBER(15,5)		Not used in Pre-Dispatch
MARGINAL5MINVALUE	NUMBER(15,5)		Marginal $ value for 5 min from LP Solver
MARGINAL60SECVALUE	NUMBER(15,5)		Marginal $ value for 60 seconds from LP Solver
MARGINAL6SECVALUE	NUMBER(15,5)		Marginal $ value for 6 seconds from LP Solver
MARGINALVALUE	NUMBER(15,5)		Marginal $ value for energy from LP Solver
VIOLATION5MINDEGREE	NUMBER(15,5)		Violation MW 5 min
VIOLATION60SECDEGREE	NUMBER(15,5)		Violation MW 60 seconds
VIOLATION6SECDEGREE	NUMBER(15,5)		Violation MW 6 seconds
VIOLATIONDEGREE	NUMBER(15,5)		Violation MW energy
LASTCHANGED	DATE		Last date and time record changed
DATETIME	DATE	X	Period date and time
LOWERREG	NUMBER(15,5)		Lower Regulation reserve target
RAISEREG	NUMBER(15,5)		Raise Regulation reserve target
AVAILABILITY	NUMBER(15,5)		For Scheduled units, this is the MAXAVAIL bid availability For Semi-scheduled units, this is the lower of MAXAVAIL bid availability and UIGF
RAISE6SECFLAGS	NUMBER(3,0)		Raise 6sec status flag
RAISE60SECFLAGS	NUMBER(3,0)		Raise 60sec status flag

RAISE5MINFLAGS	NUMBER(3,0)		Raise 5min status flag
RAISEREGFLAGS	NUMBER(3,0)		Raise reg status flag
LOWER6SECFLAGS	NUMBER(3,0)		Lower 6sec status flag
LOWER60SECFLAGS	NUMBER(3,0)		Lower 60sec status flag
LOWER5MINFLAGS	NUMBER(3,0)		Lower 5min status flag
LOWERREGFLAGS	NUMBER(3,0)		Lower Reg status flag
RAISE6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower reg availability
SEMIDISPATCHCAP	NUMBER(3,0)		Boolean representation flagging if the Target is Capped
CONFORMANCE_MODE	NUMBER(6,0)		Mode specific to units within an aggregate. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint
UIGF	NUMBER(15,5)		For Semi-Scheduled units. Unconstrained Intermittent Generation Forecast value provided to NEMDE
RAISE1SEC	NUMBER(15,5)		Dispatched Raise1Sec - TraderSolution element R1Target attribute
RAISE1SECFLAGS	NUMBER(3,0)		TraderSolution element R1Flags attribute
LOWER1SEC	NUMBER(15,5)		Dispatched Lower1Sec - TraderSolution element L1Target attribute
LOWER1SECFLAGS	NUMBER(3,0)		TraderSolution element L1Flags attribute
RAISE1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Raise 1Sec Availability
LOWER1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Lower 1Sec Availability

INITIAL_ENERGY_STORAGE	NUMBER(15,5)		The energy storage at the start of this dispatch interval(MWh)
ENERGY_STORAGE	NUMBER(15,5)		The projected energy storage based on cleared energy and regulation FCAS dispatch(MWh)
ENERGY_STORAGE_MIN	NUMBER(15,5)		BDU only - Minimum Energy Storage constraint limit (MWh)
ENERGY_STORAGE_MAX	NUMBER(15,5)		BDU only - Maximum Energy Storage constraint limit (MWh)
MIN_AVAILABILITY	NUMBER(15,5)		BDU only. Load side availability (BidOfferPeriod.MAXAVAIL where DIRECTION = LOAD)
ELEMENT_CAP	NUMBER(5,0)		Cap on the number of turbines or inverters at a DUID.

22.15 Table: PREDISPATCHOFFERTRK

22.15.1 PREDISPATCHOFFERTRK

Name	PREDISPATCHOFFERTRK
Comment	PREDISPATCHOFFERTRK is for the ancillary service bid tracking of predispatch processing. PREDISPATCHOFFERTRK identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and ancillary service for each predispatch run.

22.15.2 Description

Source

PREDISPATCHOFFERTRK updates every 30 minutes. The data is confidential to each participant until the next trading day.

Volume

Approximately 45,000 records per day.

22.15.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

22.15.4 Primary Key Columns

Name

BIDTYPE

DUID

PERIODID

PREDISPATCHSEQNO

22.15.5 Index Columns

Name

LASTCHANGED

22.15.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
BIDTYPE	VARCHAR2(20)	X	Bid type Identifier - the ancillary service to which the bid applies
PERIODID	VARCHAR2(20)	X	PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
BIDSETTLEMENTDATE	DATE		Settlement date of bid applied
BIDOFFERDATE	TIMESTAMP(3)		Time this bid was processed and loaded
DATETIME	DATE		Period date and time
LASTCHANGED	DATE		Last date and time record changed

22.16 Table: PREDISPATCHPRICE

22.16.1 PREDISPATCHPRICE

Name	PREDISPATCHPRICE
Comment	PREDISPATCHPRICE records predispatch prices for each region by period for each predispatch run, including fields to handle the Ancillary Services functionality.

22.16.2 Description

PREDISPATCHPRICE data is public, so is available to all participants.

Source

PREDISPATCHPRICE updates with every thirty-minute predispatch run.

22.16.3 Notes

Name	Comment	Value
Visibility		Public

22.16.4 Primary Key Columns

Name
DATETIME
REGIONID

22.16.5 Index Columns

Name
LASTCHANGED

22.16.6 Index Columns

Name
PREDISPATCHSEQNO

22.16.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)		LP Solver Predispatch run no, typically 1. It increments if the case is re-run.
REGIONID	VARCHAR2(10)	X	Unique region identifier
PERIODID	VARCHAR2(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
RRP	NUMBER(15,5)		Regional Reference Price
EEP	NUMBER(15,5)		Excess energy price
RRP1	NUMBER(15,5)		Not used
EEP1	NUMBER(15,5)		Not used
RRP2	NUMBER(15,5)		Not used
EEP2	NUMBER(15,5)		Not used
RRP3	NUMBER(15,5)		Not used
EEP3	NUMBER(15,5)		Not used
RRP4	NUMBER(15,5)		Not used
EEP4	NUMBER(15,5)		Not used
RRP5	NUMBER(15,5)		Not used
EEP5	NUMBER(15,5)		Not used
RRP6	NUMBER(15,5)		Not used
EEP6	NUMBER(15,5)		Not used

RRP7	NUMBER(15,5)		Not used
EEP7	NUMBER(15,5)		Not used
RRP8	NUMBER(15,5)		Not used
EEP8	NUMBER(15,5)		Not used
LASTCHANGED	DATE		Last date and time record changed
DATETIME	DATE	X	Period date and time
RAISE6SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISE60SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISE5MINRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISEREGRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWER6SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWER60SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWER5MINRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWERREGRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISE1SECRRP	NUMBER(15,5)		Regional Raise 1Sec Price - R1Price attribute after capping /flooring
LOWER1SECRRP	NUMBER(15,5)		Regional Lower 1Sec Price - RegionSolution element L1Price attribute

22.17 Table: PREDISPATCHPRICESENSITIVITIES

22.17.1 PREDISPATCHPRICESENSITIVITIES

Name PREDISPATCHPRICESENSITIVITIES

Comment PREDISPATCHPRICESENSITIVITIES sets out the sensitivity prices for each region by period.

22.17.2 Description

Source

The plan is to provide this data every half-hour.

22.17.3 Notes

Name	Comment	Value
Visibility		Public

22.17.4 Primary Key Columns

Name
DATETIME
REGIONID

22.17.5 Index Columns

Name
PREDISPATCHSEQNO

22.17.6 Index Columns

Name
LASTCHANGED

22.17.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)		LP Solver Predispatch run no, typically 1. It

			increments if the case is re-run.
REGIONID	VARCHAR2(10)	X	Unique region identifier
PERIODID	VARCHAR2(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
RRPEEP1	NUMBER(15,5)		Regional Energy Price for scenario 1
RRPEEP2	NUMBER(15,5)		Regional Energy Price for scenario 2
RRPEEP3	NUMBER(15,5)		Regional Energy Price for scenario 3
RRPEEP4	NUMBER(15,5)		Regional Energy Price for scenario 4
RRPEEP5	NUMBER(15,5)		Regional Energy Price for scenario 5
RRPEEP6	NUMBER(15,5)		Regional Energy Price for scenario 6
RRPEEP7	NUMBER(15,5)		Regional Energy Price for scenario 7
RRPEEP8	NUMBER(15,5)		Regional Energy Price for scenario 8
RRPEEP9	NUMBER(15,5)		Regional Energy Price for scenario 9
RRPEEP10	NUMBER(15,5)		Regional Energy Price for scenario 10
RRPEEP11	NUMBER(15,5)		Regional Energy Price for scenario 11
RRPEEP12	NUMBER(15,5)		Regional Energy Price for scenario 12
RRPEEP13	NUMBER(15,5)		Regional Energy Price for scenario 13
RRPEEP14	NUMBER(15,5)		Regional Energy Price for scenario 14
RRPEEP15	NUMBER(15,5)		Regional Energy Price for scenario 15
RRPEEP16	NUMBER(15,5)		Regional Energy Price for scenario 16
RRPEEP17	NUMBER(15,5)		Regional Energy Price for scenario 17
RRPEEP18	NUMBER(15,5)		Regional Energy Price for scenario 18
RRPEEP19	NUMBER(15,5)		Regional Energy Price for scenario 19

RRPEEP20	NUMBER(15,5)		Regional Energy Price for scenario 20
RRPEEP21	NUMBER(15,5)		Regional Energy Price for scenario 21
RRPEEP22	NUMBER(15,5)		Regional Energy Price for scenario 22
RRPEEP23	NUMBER(15,5)		Regional Energy Price for scenario 23
RRPEEP24	NUMBER(15,5)		Regional Energy Price for scenario 24
RRPEEP25	NUMBER(15,5)		Regional Energy Price for scenario 25
RRPEEP26	NUMBER(15,5)		Regional Energy Price for scenario 26
RRPEEP27	NUMBER(15,5)		Regional Energy Price for scenario 27
RRPEEP28	NUMBER(15,5)		Regional Energy Price for scenario 28
LASTCHANGED	DATE		Last date and time record changed
DATETIME	DATE	X	Period date and time
RRPEEP29	NUMBER(15,5)		Regional Energy Price for scenario 29
RRPEEP30	NUMBER(15,5)		Regional Energy Price for scenario 30
RRPEEP31	NUMBER(15,5)		Regional Energy Price for scenario 31
RRPEEP32	NUMBER(15,5)		Regional Energy Price for scenario 32
RRPEEP33	NUMBER(15,5)		Regional Energy Price for scenario 33
RRPEEP34	NUMBER(15,5)		Regional Energy Price for scenario 34
RRPEEP35	NUMBER(15,5)		Regional Energy Price for scenario 35
INTERVENTION_ACTIVE	NUMBER(1,0)		Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes
RRPEEP36	NUMBER(15,5)		Regional Energy Price for scenario 36
RRPEEP37	NUMBER(15,5)		Regional Energy Price for scenario 37
RRPEEP38	NUMBER(15,5)		Regional Energy Price for scenario 38
RRPEEP39	NUMBER(15,5)		Regional Energy Price for scenario 39
RRPEEP40	NUMBER(15,5)		Regional Energy Price for scenario 40
RRPEEP41	NUMBER(15,5)		Regional Energy Price for scenario 41

RRPEEP42	NUMBER(15,5)		Regional Energy Price for scenario 42
RRPEEP43	NUMBER(15,5)		Regional Energy Price for scenario 43

22.18 Table: PREDISPATCHREGIONSUM

22.18.1 PREDISPATCHREGIONSUM

Name	PREDISPATCHREGIONSUM
Comment	PREDISPATCHREGIONSUM sets out the overall regional Pre-Dispatch results for base case details (excluding price).

22.18.2 Description

PREDISPATCHREGIONSUM includes the forecast demand (total demand) and Frequency Control Ancillary Services (FCAS) requirements (specifically, for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations). PREDISPATCHREGIONSUM updates each half-hour with the latest Pre-Dispatch details for the remaining period.

Regional demand can be calculated as total demand plus dispatchable load (i.e. Regional demand = Total Demand + Dispatchable Load)

Source

PREDISPATCHREGIONSUM updates every thirty minutes.

Note

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

From 16 February 2006, the old reserve values are no longer populated (i.e. are null), being LORSurplus and LRCSurplus. For more details on the changes to Reporting of Reserve Condition Data, refer to AEMO Communication 2042. For the best available indicator of reserve condition in each of the regions of the NEM for each trading interval, refer to the latest run of the Pre-Dispatch PASA (see table PDPASA_REGIONSOLUTION).

22.18.3 Notes

Name	Comment	Value
Visibility		Public

22.18.4 Primary Key Columns

Name

DATETIME

REGIONID

22.18.5 Index Columns

Name

LASTCHANGED

22.18.6 Index Columns

Name

PREDISPATCHSEQNO

22.18.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	NUMBER(3,0)		LP Solver Pre-Dispatch run no, typically 1. It increments if the case is re-run.
REGIONID	VARCHAR2(10)	X	Unique region identifier
PERIODID	VARCHAR2(20)		PERIODID is just a period count, starting from 1 for each Pre-Dispatch run. Use DATETIME to determine half hour period.
INTERVENTION	NUMBER(2,0)		Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0
TOTALDEMAND	NUMBER(15,5)		Total demand in MW for period (less normally on loads)

AVAILABLEGENERATION	NUMBER(15,5)		Aggregate generation bid available in region
AVAILABLELOAD	NUMBER(15,5)		Aggregate load bid available in region
DEMANDFORECAST	NUMBER(15,5)		Delta MW value only
DISPATCHABLEGENERATION	NUMBER(15,5)		Generation dispatched in period
DISPATCHABLELOAD	NUMBER(15,5)		Load dispatched in period
NETINTERCHANGE	NUMBER(15,5)		Net interconnector flow from the regional reference node
EXCESSGENERATION	NUMBER(15,5)		Excess generation in period / Deficit generation if VOLL
LOWER5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	NUMBER(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 5 min
LOWER5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 5 min
LOWER5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER5MINSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 5 min
LOWER60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW imported
LOWER60SECLOCALDISPATCH	NUMBER(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 60 sec
LOWER60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec local requirement

LOWER60SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 60 sec
LOWER60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER60SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 60 sec
LOWER6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	NUMBER(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 6 sec
LOWER6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 6 sec
LOWER6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
LOWER6SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 6 sec
RAISE5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW dispatch
RAISE5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	NUMBER(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 5 min
RAISE5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min local requirement
RAISE5MINPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 5 min
RAISE5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min total requirement

RAISE5MINSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 5 min
RAISE60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	NUMBER(15,5)		Raise 60 sec local dispatch
RAISE60SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 60 sec
RAISE60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 60 sec
RAISE60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE60SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 60 sec
RAISE6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISPATCH	NUMBER(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 6 sec
RAISE6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 6 sec
RAISE6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
RAISE6SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 6 sec
LASTCHANGED	DATE		Period date and time
DATETIME	DATE	X	Period expressed as Date/Time

INITIALSUPPLY	NUMBER(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	NUMBER(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGLOCALDISPATCH	NUMBER(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGLOCALDISPATCH	NUMBER(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of

			Raise 5 min requirement
RAISEREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
RAISE6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	NUMBER(16,6)		trapezium adjusted lower reg availability
DECAVAILABILITY	NUMBER(16,6)		generation availability taking into account daily energy constraints
LORSURPLUS	NUMBER(16,6)		Not used after Feb 2006. Total short term generation capacity reserve used in assessing lack of reserve condition
LRCSURPLUS	NUMBER(16,6)		Not used after Feb 2006. Total short term generation capacity reserve above the stated low reserve condition requirement
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).

DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULE_CLEAREDMW	NUMBER(15,5)		Regional aggregated Semi-Schedule generator Cleared MW
SEMISCHEDULE_COMPLIANCEMW	NUMBER(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced
SS_SOLAR_UIGF	Number(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is solar
SS_WIND_UIGF	Number (15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is wind
SS_SOLAR_CLEAREDMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is solar
SS_WIND_CLEAREDMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is wind
SS_SOLAR_COMPLIANCEMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is solar
SS_WIND_COMPLIANCEMW	Number(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is wind
WDR_INITIALMW	NUMBER(15,5)		Regional aggregated MW value at start of interval for Wholesale Demand Response (WDR) units
WDR_AVAILABLE	NUMBER(15,5)		Regional aggregated available MW for Wholesale Demand Response (WDR) units
WDR_DISPATCHED	NUMBER(15,5)		Regional aggregated dispatched MW for Wholesale Demand Response (WDR) units

SS_SOLAR_AVAILABILITY	NUMBER(15,5)		For Semi-Scheduled units. Aggregate Energy Availability from Solar units in that region
SS_WIND_AVAILABILITY	NUMBER(15,5)		For Semi-Scheduled units. Aggregate Energy Availability from Wind units in that region
RAISE1SECLOCALDISPATCH	NUMBER(15,5)		Total Raise1Sec Dispatched in Region - RegionSolution element R1Dispatch attribute
LOWER1SECLOCALDISPATCH	NUMBER(15,5)		Total Lower1Sec Dispatched in Region - RegionSolution element L1Dispatch attribute
RAISE1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Raise1Sec availability (summated from UnitSolution)
LOWER1SECACTUALAVAILABILITY	NUMBER(16,6)		Trapezium adjusted Lower1Sec availability (summated from UnitSolution)
BDU_ENERGY_STORAGE	NUMBER(15,5)		Regional aggregated energy storage where the DUID type is BDU (MWh)
BDU_MIN_AVAIL	NUMBER(15,5)		Total available load side BDU summated for region (MW)
BDU_MAX_AVAIL	NUMBER(15,5)		Total available generation side BDU summated for region (MW)
BDU_CLEAREDMW_GEN	NUMBER(15,5)		Regional aggregated cleared MW where the DUID type is BDU. Net of export (Generation)
BDU_CLEAREDMW_LOAD	NUMBER(15,5)		Regional aggregated cleared MW where the DUID type is BDU. Net of import (Load)
BDU_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy Storage for BDU at the start of the interval(MWh) - Region Aggregated
DECGEN_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy storage for Daily Energy Constrained Scheduled Generating Units at the start of the interval(MWh) - Region Aggregated

22.19 Table: PREDISPATCHSCENARIODEMAND

22.19.1 PREDISPATCHSCENARIODEMAND

Name PREDISPATCHSCENARIODEMAND

Comment PREDISPATCHSCENARIODEMAND defines the demand offsets that are applied for each of the predispatch sensitivity scenarios.

22.19.2 Notes

Name	Comment	Value
Visibility		Public

22.19.3 Primary Key Columns

Name

EFFECTIVEDATE

REGIONID

SCENARIO

VERSIONNO

22.19.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date of this set of scenarios
VERSIONNO	NUMBER(3)	X	The version of this set of scenarios
SCENARIO	NUMBER(2)	X	The scenario identifier.
REGIONID	VARCHAR(20)	X	The region to which to apply the deltaMW for this SCENARIO.
DELTAMW	NUMBER(4)		The MW offset that is applied for this scenario

22.20 Table: PREDISPATCHSCENARIODEMANDTRK

22.20.1 PREDISPATCHSCENARIODEMANDTRK

Name	PREDISPATCHSCENARIODEMANDTRK
Comment	Tracks the predispatch scenario offset updates across time

22.20.2 Notes

Name	Comment	Value
Visibility		Public

22.20.3 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO

22.20.4 Index Columns

Name
LASTCHANGED

22.20.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	The effective date of this set of scenarios
VERSIONNO	NUMBER(3)	X	The version of this set of scenarios
AUTHORISEDBY	VARCHAR(15)		The user that authorised the scenario update
AUTHORISEDDATE	DATE		The datetime that the scenario update was authorised
LASTCHANGED	DATE		The datetime that the record was last changed

23 Package: RESERVE_DATA

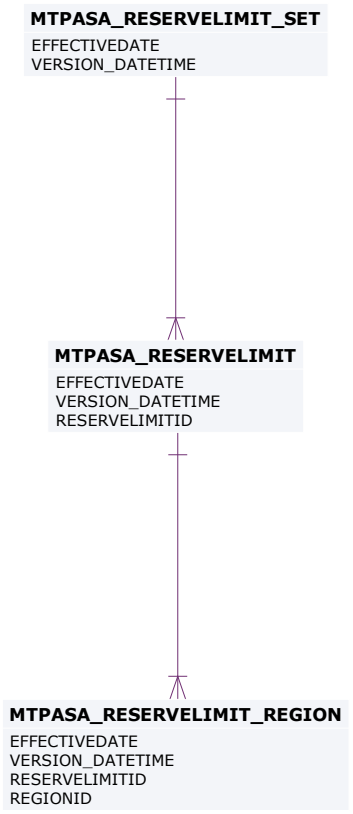
Name RESERVE_DATA

Comment Energy and FCAS reserve requirements

23.1 List of tables

Name	Comment	Visibility
MTPASA_RESERVELIMIT	MT PASA input table defining a MT PASA Reserve Requirement within a single set. An MT PASA Reserve Requirement can span more than one region.	Public
MTPASA_RESERVELIMIT_REGION	MT PASA input table to define the regions that are part of a single MT PASA Reserve Requirement	Public
MTPASA_RESERVELIMIT_SET	MT PASA input table defining a set of MT PASA Reserve Requirements. Note only one set can be active on a given date.	Public

23.2 Diagram: Entities: Reserve Data



23.3 Table: MTPASA_RESERVELIMIT

23.3.1 MTPASA_RESERVELIMIT

Name	MTPASA_RESERVELIMIT
Comment	MT PASA input table defining a MT PASA Reserve Requirement within a single set. An MT PASA Reserve Requirement can span more than one region.

23.3.2 Description

Source

MTPASA_RESERVELIMIT is updated on an ad hoc basis when a new Reserve Requirement is published.

Volume

~20 rows per year

23.3.3 Notes

Name	Comment	Value
Visibility		Public

23.3.4 Primary Key Columns

Name
EFFECTIVEDATE
RESERVELIMITID
VERSION_DATETIME

23.3.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Trade date when the set of reserve requirements become effective
VERSION_DATETIME	DATE	X	Timestamp when the set of reserve requirements become effective

RESERVELIMITID	VARCHAR2(20)	X	MT PASA Reserve Requirement identifier
DESCRIPTION	VARCHAR2(200)		Description of this Reserve Requirement
RHS	NUMBER(16,6)		Right hand side value for this Reserve requirement
LASTCHANGED	DATE		Timestamp the record was last modified.

23.4 Table: MTPASA_RESERVELIMIT_REGION

23.4.1 MTPASA_RESERVELIMIT_REGION

Name	MTPASA_RESERVELIMIT_REGION
Comment	MT PASA input table to define the regions that are part of a single MT PASA Reserve Requirement

23.4.2 Description

Source

MTPASA_RESERVELIMIT_REGION is updated on an ad hoc basis when a new Reserve Requirement is published.

Volume

~50 rows per year

23.4.3 Notes

Name	Comment	Value
Visibility		Public

23.4.4 Primary Key Columns

Name
EFFECTIVEDATE
REGIONID
RESERVELIMITID
VERSION_DATETIME

23.4.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Trade date when the set of reserve requirements become effective
VERSION_DATETIME	DATE	X	Timestamp when the set of reserve requirements become effective
RESERVELIMITID	VARCHAR2(20)	X	MT PASA Reserve requirement identifier
REGIONID	VARCHAR2(20)	X	Region ID - identifier of a NEM region included in this requirement
COEF	NUMBER(16,6)		Coefficient for the region in this reserve requirement
LASTCHANGED	DATE		Timestamp the record was last modified

23.5 Table: MTPASA_RESERVELIMIT_SET

23.5.1 MTPASA_RESERVELIMIT_SET

Name	MTPASA_RESERVELIMIT_SET
Comment	MT PASA input table defining a set of MT PASA Reserve Requirements. Note only one set can be active on a given date.

23.5.2 Description

Source

MTPASA_RESERVELIMIT_SET is updated on an ad hoc basis when a new Reserve Requirement is published.

Volume

~2 rows per year

23.5.3 Notes

Name	Comment	Value
Visibility		Public

23.5.4 Primary Key Columns

Name

EFFECTIVEDATE

VERSION_DATETIME

23.5.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Trade date when the set of reserve requirements become effective
VERSION_DATETIME	DATE	X	Timestamp when the set of reserve requirements become effective
RESERVELIMIT_SET_ID	VARCHAR2(20)		MT PASA LRC Reserve Requirement Set Identifier
DESCRIPTION	VARCHAR2(200)		Description of this set of Reserve Requirements
AUTHORISEDDATE	DATE		Date the requirement set was authorised
AUTHORISEDBY	VARCHAR2(20)		User authorising this requirement set
LASTCHANGED	DATE		Timestamp the record was last modified

24 Package: SETTLEMENT_CONFIG

Name SETTLEMENT_CONFIG

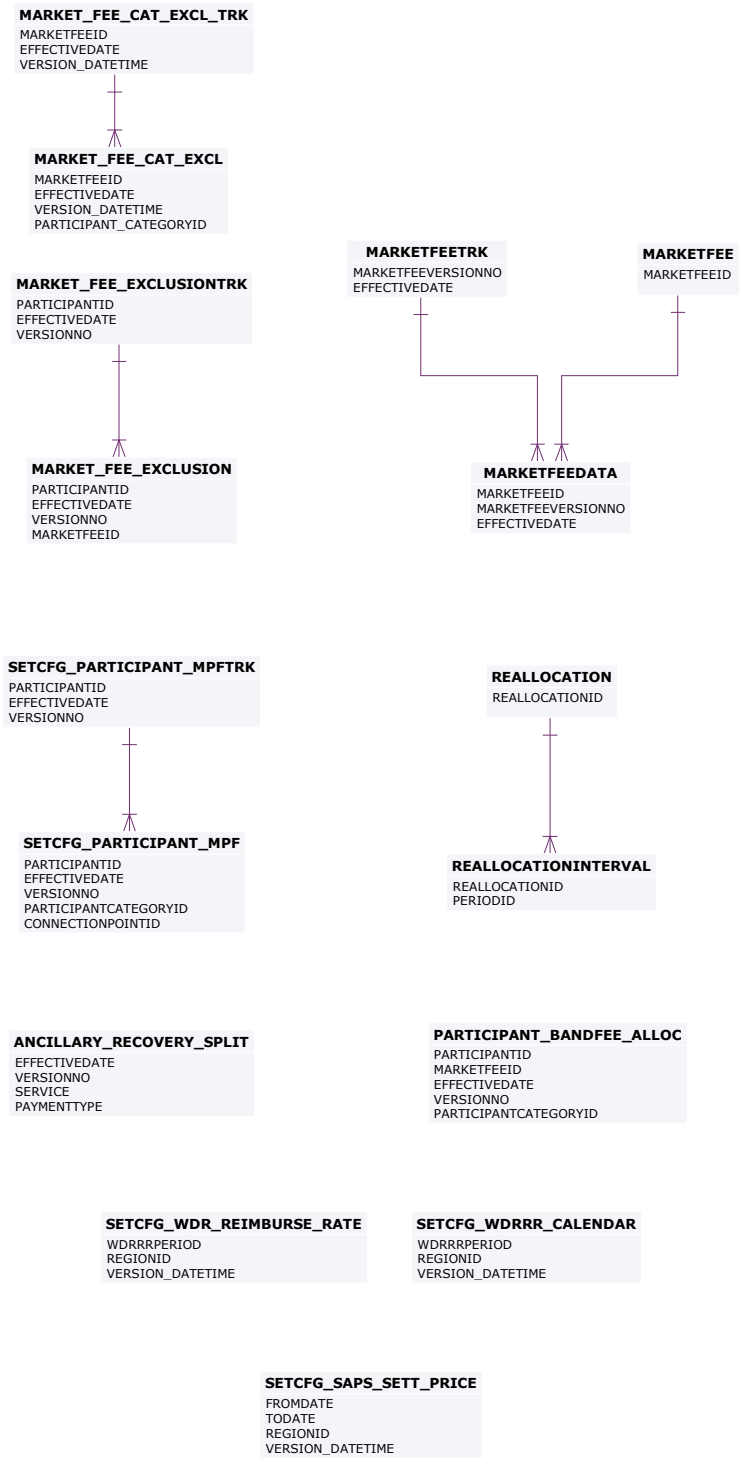
Comment Configuration and input data for the Settlements Process

24.1 List of tables

Name	Comment	Visibility
ANCILLARY_RECOVERY_SPLIT	ANCILLARY_RECOVERY_SPLIT holds the actual customer portion for each service and payment type. A single EFFECTIVEDATE/VERSIONNO combination applies to all services (i.e. the latest EFFECTIVEDATE/VERSIONNO is not retrieved for a single service, but applies to a data set).	Public
MARKET_FEE_CAT_EXCL	Market fee exclusions for participant categories.	Public
MARKET_FEE_CAT_EXCL_TRK	Tracking table for market fee exclusions for participant categories.	Public
MARKET_FEE_EXCLUSION	MARKET_FEE_EXCLUSION shows the list of market fees from which a participant is excluded from funding after a particular settlement date.	Private
MARKET_FEE_EXCLUSIONTRK	MARKET_FEE_EXCLUSIONTRK shows authorisation details of participant market fee exclusion data sets.	Private
MARKETFEE	MARKETFEE sets out fee type and period for each market fee.	Public
MARKETFEEDATA	MARKETFEEDATA sets out actual fee rates, as adjusted from time to time.	Public
MARKETFEETRK	MARKETFEETRK sets out versions of each market fee used and its effective date.	Public
PARTICIPANT_BANDFEE_ALLOC	PARTICIPANT_BANDFEE_ALLOC shows the market fee for each Participant/Participant Category over time.	Private
REALLOCATION	The REALLOCATION table shows the financial transactions agreed between two participants that are settled through the AEMO pool settlements process.	Private
REALLOCATIONINTERVAL	30-minute or (5-minute for 5MS) data comprising a single reallocation transaction.	Private

SETCFG_PARTICIPANT_MPF	SETCFG_PARTICIPANT_MPF shows the Market Participation Factors (MPF) for each participant for each connection point. The MPF values are used to determine recovery amounts for regulation FCAS.	Public
SETCFG_PARTICIPANT_MPFTRK	SETCFG_PARTICIPANT_MPFTRK is the tracking table for Market Participation Factors (MPF) data stored in the SETCFG_PARTICIPANT_MPF table for each participant.	Public
SETCFG_SAPS_SETT_PRICE	The Settlement Price for SAPS Energy in each Region	Public
SETCFG_WDR_REIMBURSE_RATE	Settlements WDR transactions	Public
SETCFG_WDRRR_CALENDAR	Wholesale Demand Response Reimbursement Rate Calendar	Public

24.2 Diagram: Entities: Settlement Config



24.3 Table: ANCILLARY_RECOVERY_SPLIT

24.3.1 ANCILLARY_RECOVERY_SPLIT

Name	ANCILLARY_RECOVERY_SPLIT
Comment	ANCILLARY_RECOVERY_SPLIT holds the actual customer portion for each service and payment type. A single EFFECTIVEDATE/VERSIONNO combination applies to all services (i.e. the latest EFFECTIVEDATE/VERSIONNO is not retrieved for a single service, but applies to a data set).

24.3.2 Description

ANCILLARY_RECOVERY_SPLIT is public data, and is available to all participants.

Source

This table is updated infrequently.

24.3.3 Notes

Name	Comment	Value
Visibility		Public

24.3.4 Primary Key Columns

Name
EFFECTIVEDATE
PAYMENTTYPE
SERVICE
VERSIONNO

24.3.5 Index Columns

Name
LASTCHANGED

24.3.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar settlement date record becomes effective.
VERSIONNO	NUMBER(3,0)	X	Version number of the record for the given date.
SERVICE	VARCHAR2(10)	X	Ancillary service name (e.g. AGC, FCASCOMP)
PAYMENTTYPE	VARCHAR2(20)	X	A payment type associated with the service (can be ENABLING, AVAILABILITY, USAGE, or COMPENSATION).
CUSTOMER_PORTION	NUMBER(8,5)		The percentage value of the recovery funded by market customers.
LASTCHANGED	DATE		Last date and time record changed
ACE_PORTION	NUMBER(18,8)		The percentage value of the recovery funded using the ACE MWh Values. This field is only used for Settlement post IESS rule effective date.

24.4 Table: MARKET_FEE_CAT_EXCL

24.4.1 MARKET_FEE_CAT_EXCL

Name MARKET_FEE_CAT_EXCL

Comment Market fee exclusions for participant categories.

24.4.2 Notes

Name	Comment	Value
Visibility		Public

24.4.3 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

PARTICIPANT_CATEGORYID

VERSION_DATETIME

24.4.4 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	VARCHAR2(20)	X	The excluded market fee
EFFECTIVEDATE	DATE	X	The date the exclusion is effective from
VERSION_DATETIME	DATE	X	The version information for this record
PARTICIPANT_CATEGORYID	VARCHAR2(20)	X	Participant category to be excluded from this market fee

24.5 Table: MARKET_FEE_CAT_EXCL_TRK

24.5.1 MARKET_FEE_CAT_EXCL_TRK

Name MARKET_FEE_CAT_EXCL_TRK

Comment Tracking table for market fee exclusions for participant categories.

24.5.2 Notes

Name	Comment	Value
Visibility		Public

24.5.3 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

VERSION_DATETIME

24.5.4 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	VARCHAR2(20)	X	The excluded market fee
EFFECTIVEDATE	DATE	X	The date the exclusion is effective from
VERSION_DATETIME	DATE	X	The version information for this record
LASTCHANGED	DATE		Last date and time the record changed

24.6 Table: MARKET_FEE_EXCLUSION

24.6.1 MARKET_FEE_EXCLUSION

Name	MARKET_FEE_EXCLUSION
Comment	MARKET_FEE_EXCLUSION shows the list of market fees from which a participant is excluded from funding after a particular settlement date.

24.6.2 Description

MARKET_FEE_EXCLUSION data is confidential to the relevant participant.

Source

MARKET_FEE_EXCLUSION updates only on change of participant configuration.

24.6.3 Notes

Name	Comment	Value
Visibility		Private

24.6.4 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

PARTICIPANTID

VERSIONNO

24.6.5 Index Columns

Name

LASTCHANGED

24.6.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
EFFECTIVEDATE	DATE	X	Date on which this data becomes effective
VERSIONNO	NUMBER(3,0)	X	Version of fees for this ID
MARKETFEEID	VARCHAR2(10)	X	Identifier for Market Fee
LASTCHANGED	DATE		Last date and time record changed

24.7 Table: MARKET_FEE_EXCLUSIONTRK

24.7.1 MARKET_FEE_EXCLUSIONTRK

Name MARKET_FEE_EXCLUSIONTRK

Comment MARKET_FEE_EXCLUSIONTRK shows authorisation details of participant market fee exclusion data sets.

24.7.2 Description

MARKET_FEE_EXCLUSIONTRK is confidential to the participant.

Source

MARKET_FEE_EXCLUSIONTRK updates only on change of participant configuration.

24.7.3 Notes

Name	Comment	Value
Visibility		Private

24.7.4 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
VERSIONNO

24.7.5 Index Columns

Name
LASTCHANGED

24.7.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
EFFECTIVEDATE	DATE	X	Date on which this data becomes effective
VERSIONNO	NUMBER(3,0)	X	Version of fees for this ID
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed

24.8 Table: MARKETFEE

24.8.1 MARKETFEE

Name	MARKETFEE
Comment	MARKETFEE sets out fee type and period for each market fee.

24.8.2 Description

MARKETFEE data is public, so is available to all participants.

Source

MARKETFEE updates when fees change.

24.8.3 Notes

Name	Comment	Value
Visibility		Public

24.8.4 Primary Key Columns

Name
MARKETFEEID

24.8.5 Index Columns

Name
LASTCHANGED

24.8.6 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	VARCHAR2(10)	X	Identifier for Market Fee
MARKETFEEPERIOD	VARCHAR2(20)		Period type - PERIOD, DAILY, WEEKLY

MARKETFEETYPE	VARCHAR2(12)		Type - MW or $
DESCRIPTION	VARCHAR2(64)		Description of market fee
LASTCHANGED	DATE		Last date and time record changed
GL_TCODE	VARCHAR2(15)		
GL_FINANCIALCODE	VARCHAR2(10)		
FEE_CLASS	VARCHAR2(40)		
METER_TYPE	VARCHAR2(20)		The Energy Type for the Market Fees Calculation. E.g of Meter Types are CUSTOMER, GENERATOR, NREG, BDU etc. If Meter Type is mentioned as ALL then all the Meter Types for that Participant Category will be used in the Fee calculation
METER_SUBTYPE	VARCHAR2(20)		The Meter Sub Type values are ACE, ASOE or ALL. ACE represent ACE_MWH value , ASOE represent ASOE_MWH value and ALL represent sum of ACE_MWh and ASOE_MWh

24.9 Table: MARKETFEEDATA

24.9.1 MARKETFEEDATA

Name	MARKETFEEDATA
Comment	MARKETFEEDATA sets out actual fee rates, as adjusted from time to time.

24.9.2 Description

MARKETFEEDATA is public data, and is available to all participants.

Source

MARKETFEEDATA updates whenever fee rates change.

24.9.3 Notes

Name	Comment	Value
Visibility		Public

24.9.4 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

MARKETFEEVERSIONNO

24.9.5 Index Columns

Name

LASTCHANGED

24.9.6 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	VARCHAR2(10)	X	Identifier for Market Fee
MARKETFEEVERSIONNO	NUMBER(3,0)	X	Version of fees for this id
EFFECTIVEDATE	DATE	X	Date on which this data becomes effective
MARKETFEEVALUE	NUMBER(22,8)		Market fee rate/MWh, a dollar amount
LASTCHANGED	DATE		Last date and time record changed

24.10 Table: MARKETFEETRK

24.10.1 MARKETFEETRK

Name MARKETFEETRK

Comment MARKETFEETRK sets out versions of each market fee used and its effective date.

24.10.2 Description

MARKETFEETRK data is public, so is available to all participants.

Source

MARKETFEETRK updated infrequently, when new annual rates must be inserted.

Volume

One record inserted per year.

24.10.3 Notes

Name	Comment	Value
Visibility		Public

24.10.4 Primary Key Columns

Name
EFFECTIVEDATE
MARKETFEEVERSIONNO

24.10.5 Index Columns

Name
LASTCHANGED

24.10.6 Content

Name	Data Type	Mandatory	Comment
MARKETFEEVERSIONNO	NUMBER(3,0)	X	Version of fees for this ID
EFFECTIVEDATE	DATE	X	Effective Date of Market notice
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed

24.11 Table: PARTICIPANT_BANDFEE_ALLOC

24.11.1 PARTICIPANT_BANDFEE_ALLOC

Name	PARTICIPANT_BANDFEE_ALLOC
Comment	PARTICIPANT_BANDFEE_ALLOC shows the market fee for each Participant/Participant Category over time.

24.11.2 Description

Source

This view updates only on change of participant configuration.

24.11.3 Notes

Name	Comment	Value
Visibility		Private

24.11.4 Primary Key Columns

Name
EFFECTIVEDATE
MARKETFEEID
PARTICIPANTCATEGORYID
PARTICIPANTID
VERSIONNO

24.11.5 Index Columns

Name
LASTCHANGED

24.11.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
MARKETFEEID	VARCHAR2(10)	X	Identifier for Market Fee
EFFECTIVEDATE	DATE	X	Date on which this data becomes effective.
VERSIONNO	NUMBER(3,0)	X	Period identifier
PARTICIPANTCATEGORYID	VARCHAR2(10)	X	The participant category that the market fee recovery amount pertains to.
MARKETFEEVALUE	NUMBER(15,5)		The value of this market fee
LASTCHANGED	DATE		Last date and time record changed

24.12 Table: REALLOCATION

24.12.1 REALLOCATION

Name	REALLOCATION
Comment	The REALLOCATION table shows the financial transactions agreed between two participants that are settled through the AEMO pool settlements process.

24.12.2 Description

Note

The column REALLOCATION_TYPE can be used in conjunction with CREDITPARTICIPANT or DEBITPARTICIPANT to determine who submitted a reallocation.

24.12.3 Notes

Name	Comment	Value
Visibility		Private

24.12.4 Primary Key Columns

Name

REALLOCATIONID

24.12.5 Index Columns

Name

LASTCHANGED

24.12.6 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	VARCHAR2(20)	X	Reallocation identifier
CREDITPARTICIPANTID	VARCHAR2(10)		The participant to be credited for the reallocation
DEBITPARTICIPANTID	VARCHAR2(10)		The participant to be debited for the reallocation
REGIONID	VARCHAR2(10)		Region identifier, being the spot price reference node for this reallocation
AGREEMENTTYPE	VARCHAR2(10)		$, (Quantity) Mwh, SWAP, CAP or FLOOR
CREDITREFERENCE	VARCHAR2(400)		Optional reference detail for credit participant
DEBITREFERENCE	VARCHAR2(400)		Optional reference detail for debit participant
LASTCHANGED	DATE		Last date and time record changed
STARTDATE	DATE		First day of the Reallocation contract
ENDDATE	DATE		Last day of the Reallocation contract
CURRENT_STEPID	VARCHAR2(20)		Reallocation state. One of SUBMITTED, AUTHORISED, CANCELLED.
DAYTYPE	VARCHAR2(20)		The day type profile for which the reallocation applies over the start and end date range. Valid entries are BUSINESS, NON_BUSINESS or FLAT.

REALLOCATION_TYPE	VARCHAR2(1)		Denotes a Credit or Debit reallocation with a value of "C" or "D" respectively
CALENDARID	VARCHAR2(30)		Unique ID of the calendar for which data is requested
INTERVALLENGTH	NUMBER(3,0)		The length of settlement intervals (in minutes) in the reallocation profile

24.13 Table: REALLOCATIONINTERVAL

24.13.1 REALLOCATIONINTERVAL

Name REALLOCATIONINTERVAL

Comment 30-minute or (5-minute for 5MS) data comprising a single reallocation transaction.

24.13.2 Notes

Name	Comment	Value
Visibility		Private

24.13.3 Primary Key Columns

Name

PERIODID

REALLOCATIONID

24.13.4 Index Columns

Name

LASTCHANGED

24.13.5 Content

Name	Data Type	Mandatory	Comment

REALLOCATIONID	VARCHAR2(20)	X	Reallocation identifier
PERIODID	NUMBER(3)	X	Trading Interval
VALUE	NUMBER(15,5)		Reallocation value in the units of the agreement type
LASTCHANGED	DATE		Last date and time record changed
NRP	NUMBER(15,5)		Nominated Reallocation Price, only used in agreement types of SWAP, CAP and FLOOR, being the contract strike price in $/MWh

24.14 Table: SETCFG_PARTICIPANT_MPF

24.14.1 SETCFG_PARTICIPANT_MPF

Name SETCFG_PARTICIPANT_MPF

Comment SETCFG_PARTICIPANT_MPF shows the Market Participation Factors (MPF) for each participant for each connection point. The MPF values are used to determine recovery amounts for regulation FCAS.

24.14.2 Description

SETCFG_PARTICIPANT_MPF data is available to all participants.

Volume

Approximately 20,000 records per year

24.14.3 Notes

Name	Comment	Value
Visibility		Public

24.14.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE

PARTICIPANTCATEGORYID

PARTICIPANTID

VERSIONNO

24.14.5 Index Columns

Name

LASTCHANGED

24.14.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
EFFECTIVEDATE	DATE	X	Effective date of the MPF data
VERSIONNO	NUMBER(3,0)	X	Version number of the MPF data
PARTICIPANTCATEGORYID	VARCHAR2(10)	X	Participant Category
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection point identifier
MPF	NUMBER(15,5)		Market Participation Factor
LASTCHANGED	DATE		Last date and time record changed

24.15 Table: SETCFG_PARTICIPANT_MPFTRK

24.15.1 SETCFG_PARTICIPANT_MPFTRK

Name SETCFG_PARTICIPANT_MPFTRK

Comment SETCFG_PARTICIPANT_MPFTRK is the tracking table for Market Participation Factors (MPF) data stored in the SETCFG_PARTICIPANT_MPF table for each participant.

24.15.2 Description

SETCFG_PARTICIPANT_MPFTRK data is public, so is available to all participants.

Volume

Approximately 2,000 records per year

24.15.3 Notes

Name	Comment	Value
Visibility		Public

24.15.4 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
VERSIONNO

24.15.5 Index Columns

Name
LASTCHANGED

24.15.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
EFFECTIVEDATE	DATE	X	Effective date of the MPF data
VERSIONNO	NUMBER(3,0)	X	Version number of the MPF data
AUTHORISEDBY	VARCHAR2(15)		Authorising user
AUTHORISEDDATE	DATE		Authorised date and time
LASTCHANGED	DATE		Last date and time record changed

24.16 Table: SETCFG_SAPS_SETT_PRICE

24.16.1 SETCFG_SAPS_SETT_PRICE

Name	SETCFG_SAPS_SETT_PRICE
Comment	The Settlement Price for SAPS Energy in each Region

24.16.2 Notes

Name	Comment	Value
Visibility		Public

24.16.3 Primary Key Columns

Name

FROMDATE

REGIONID

TODATE

VERSION_DATETIME

24.16.4 Content

Name	Data Type	Mandatory	Comment
FROMDATE	DATE	X	The From Date of the SAPS Pricing Application Period
TODATE	DATE	X	The To Date of the SAPS Pricing Application Period
REGIONID	VARCHAR2(20)	X	The Region ID for which the calculated SAPS Price is applicable
VERSION_DATETIME	DATE	X	The Date time of the record generation
SAPS_RRP	NUMBER(18,8)		The Region Reference Price for SAPS in the Region

ISFIRM	NUMBER(3,0)		Whether the SAPS Price is Firm or Non-Firm
LASTCHANGED	DATE		The Last Changed Date time of the record

24.17 Table: SETCFG_WDR_REIMBURSE_RATE

24.17.1 SETCFG_WDR_REIMBURSE_RATE

Name SETCFG_WDR_REIMBURSE_RATE

Comment Settlements WDR transactions

24.17.2 Notes

Name	Comment	Value
Visibility		Public

24.17.3 Primary Key Columns

Name

REGIONID

VERSION_DATETIME

WDRRRPERIOD

24.17.4 Content

Name	Data Type	Mandatory	Comment
WDRRRPERIOD	VARCHAR2(20)	X	Unique identifier for the period to which the WDRRR applies. For quarter-based periods, this will be equal to YYYY[Q]NN, e.g. 2020Q3 for 2020 Quarter 3.
REGIONID	VARCHAR2(20)	X	Unique identifier for the region
VERSION_DATETIME	TIMESTAMP(3)	X	The Version Date time of the latest changes.
WDRRR	NUMBER(18,8)		WDRRR value for the period and region

			($/MWh)
ISFIRM	NUMBER(3,0)		A flag to indicate that the WDRRR value is FIRM for the period and region, i.e. it is based on a complete set of firm prices from dispatch. Possible Values are 1 and 0
LASTCHANGED	TIMESTAMP(3)		Last changed date for the record

24.18 Table: SETCFG_WDRRR_CALENDAR

24.18.1 SETCFG_WDRRR_CALENDAR

Name SETCFG_WDRRR_CALENDAR

Comment Wholesale Demand Response Reimbursement Rate Calendar

24.18.2 Notes

Name	Comment	Value
Visibility		Public

24.18.3 Primary Key Columns

Name

REGIONID

VERSION_DATETIME

WDRRRPERIOD

24.18.4 Content

Name	Data Type	Mandatory	Comment
WDRRRPERIOD	VARCHAR2(20)	X	Unique identifier for the period to which the WDRRR applies. For quarter-based periods, this will be equal to YYYY[Q]NN, for example,2020Q3 for 2020 Quarter 3.
REGIONID	VARCHAR2(20)	X	Unique Identifier for the region id

VERSION_DATETIME	TIMESTAMP(3)	X	The Version Date time of the latest changes.
STARTDATE	DATE		Start Date of Period (Inclusive).
ENDDATE	DATE		End Date of Period (Inclusive).
LASTCHANGED	TIMESTAMP(3)		Last changed date for the record.

25 Package: SETTLEMENT_DATA

Name SETTLEMENT_DATA

Comment Results from a published Settlements Run. The settlement data and billing run data are updated daily between 6am and 8am for AEMO's prudential processes. In a normal week, AEMO publishes one PRELIM, one FINAL and two REVISION runs in addition to the daily runs.

25.1 List of tables

Name	Comment	Visibility
DAYTRACK	DAYTRACK identifies the actual settlement run processed for each settlement day. Settlement run is in the column EXPOSTRUNNO. Generally, the number of the settlement run used in the latest statement is the maximum number.	Public
SET_ APC_COMPENSATION	APC Compensation payment amounts in the Settlements timeframe	Private
SET_ APC_RECOVERY	APC Compensation recovery amounts in the Settlements timeframe	Private
SET_ANCILLARY_SUMMARY	SET_ANCILLARY_SUMMARY summarises payments for all Ancillary Services to participants on the basis of regions and trading intervals.	Public
SET_ENERGY_GENSET_DETAIL	The Settlement Energy Genset report contains the Energy Transactions data for each generation meter point. This report is produced only for Settlement Date post the IESS rule effective date.	Private
SET_ENERGY_REGION_SUMMARY	The Settlement Energy Region Summary report contains the Energy Transactions Summary for all the NEM regions. This report is produced only for Settlement Date post the IESS rule effective date.	Public
SET_ENERGY_TRAN_SAPS	The table shows the Transaction Details for the SAPS Connection Points. The table contains both the MSRPs and Retailers data	Private
SET_ENERGY_TRANSACTIONS	The Settlement Energy Transactions report contains the Energy Transactions data for all the Participants based on their ACE and ASOE at each customer and generator Connection Point ID. This table is populated	Private

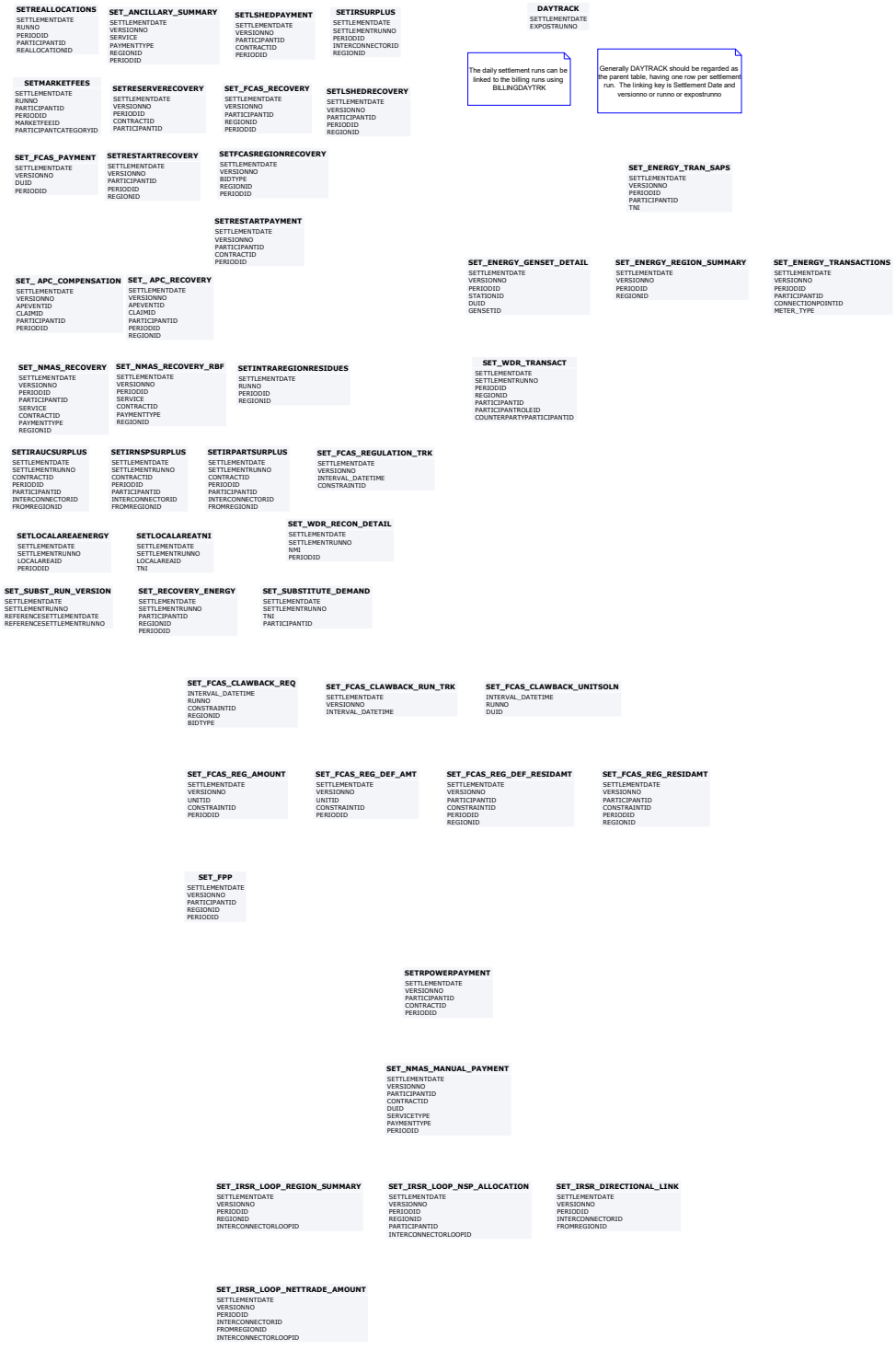
	The Settlement Energy Transactions report contains the Energy Transactions data for all the Participants based on their ACE and ASOE at each customer and generator Connection Point ID. This table is populated only if Settlement Date is post the IESS rule effective date.	
SET_FCAS_CLAWBACK_REQ	This report contains the Interval Datetime affected by the Clawback Run and the adjusted FCAS requirement Costs.	Public
SET_FCAS_CLAWBACK_RUN_TRK	This Settlements FCAS Clawback Run Track report contains the Interval Datetime for which a Clawback has occurred and included in the Settlement run. The report will be produced only if there is any Clawback Run for the Interval date time in the Settlement Date	Public
SET_FCAS_CLAWBACK_UNITSOLN	This report contains the Interval Datetime affected by the Clawback Run and the reduced MW for the FCAS Service for each affected DUID.	Private
SET_FCAS_PAYMENT	SET_FCAS_PAYMENT sets out the enabling payment details for frequency controlled Ancillary Services.	Private
SET_FCAS_RECOVERY	SET_FCAS_RECOVERY shows reimbursements for the Frequency Control Ancillary Services (FCAS) to be recovered from participants. Beware of potential confusion with the table SETFCASRECOVERY, which reports reimbursements for Frequency Control Ancillary Services Compensation (now unused).	Private
SET_FCAS_REG_AMOUNT	This report contains the the FCAS Regulation Amounts that include FPP Amounts, Used Amounts and Unused Amounts calculated using the Contribution Factors	Private
SET_FCAS_REG_DEF_AMT	This report contains the the FCAS Regulation Amounts that include FPP Amounts, Used Amounts and Unused Amounts calculated using the Default Contribution Factors. This is when FPP Factors are not available for a particular interval and system used DCF in the calculation.	Private
SET_FCAS_REG_DEF_RESIDAMT	This report contains the FCAS Regulation Residue Amounts that include FPP Residual Amounts, Used Residual Amounts and Unused Residual Amounts calculated using the Energy Ratio for each Requirement Region and the Default Residual CF.	Private
SET_FCAS_REG_RESIDAMT	This report contains the FCAS Regulation Residue Amounts that include FPP Residual Amounts, Used Residual Amounts and Unused Residual Amounts calculated using the Energy Ratio for each	Private

	Requirement Region.	
SET_FCAS_REGULATION_TRK	SET_FCAS_REGULATION_TRK shows FCAS Regulation Service Constraint tracking for Regional FCAS Regulation recovery	Public
SET_FPP	This report contains the summary of FPP Amounts for each ParticipantId in each region	Private
SET_IRSR_DIRECTIONAL_LINK	This report contains the MW Flow and Inter-Regional Residue Amounts for all primary interconnectors.	Public
SET_IRSR_LOOP_NETTRADE_AMOUNT	This report contains the final net trade amount for the two directional interconnectors to allocate.	Public
SET_IRSR_LOOP_NSP_ALLOCATION	This report contains Inter-Regional Negative Residue Amounts to allocate to TNSPs.	Private
SET_IRSR_LOOP_REGION_SUMMARY	This report contains Inter-Regional Net Loop Allocations and Net Regional Export Quantities.	Public
SET_NMAS_MANUAL_PAYMENT	This report contains the NMAS Manual TI Payments that are uploaded by the Settlement Business Team. Amounts in this table are not calculated by the Settlement System.	Private
SET_NMAS_RECOVERY	SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
SET_NMAS_RECOVERY_RBF	SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Public
SET_RECOVERY_ENERGY	Settlements substitution recovery energy used	Private
SET_SUBST_RUN_VERSION	Settlements substitution demand run version numbers	Public
SET_SUBSTITUTE_DEMAND	Settlements substitution demand for Zero Demand figures	Private
SET_WDR_RECON_DETAIL	Settlements WDR reconciliation details	Private

SET_WDR_TRANSACT	Settlements WDR transactions summary	Private
SETFCASREGIONRECOVERY	The FCAS Recovery amount from each NEM Region and the Energy MWh used for the FCAS Recovery calculation from Participants	Public
SETINTRAREGIONRESIDUES	The Settlement Intra Region Residues Result.	Public
SETIRAUCSURPLUS	This view supports the Settlements Residue Auction, by holding the NSP participant allocations of IRSurplus arising as a result of the unsold units for a quarter.	Private
SETIRNSPSURPLUS	This view supports the Settlements Residue Auction, by showing the TNSP participant allocations of Interconnector Residue (IR) Surplus (i.e. derogated amounts) arising as a result of the sold units for a quarter.	Private
SETIRPARTSURPLUS	This view supports the Settlements Residue Auction, holding the participant allocations of IRSurplus.	Private
SETIRSURPLUS	SETIRSURPLUS records the interregional residue calculation for each interconnector and each side of the interconnector.	Public
SETLOCALAREAENERGY	SETLOCALAREAENERGY shows the UFE, AGE and associated values for each local area and trading interval in a settlement run.	Public
SETLOCALAREATNI	SETLOCALAREATNI shows the list of TNIs constituent to a local area in a settlement run.	Public
SETLSHEDPAYMENT	SETLSHEDPAYMENT shows specific payment details for load shed services by period. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
SETLSHEDRECOVERY	SETLSHEDRECOVERY shows reimbursements for Load shed Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012)	Private
SETMARKETFEES	SETMARKETFEES shows payments for market fees for each settlement date.	Private
SETREALLOCATIONS	SETREALLOCATIONS shows the trading interval value of reallocations processed, for those participants whose reallocation submissions have been accepted	Private

	by AEMO.	
SETRESERVERECOVERY	SETRESERVERECOVERY shows reserve recovery details.	Private
SETRESTARTPAYMENT	SETRESTARTPAYMENT shows specific payment details for System Restart services by period.	Private
SETRESTARTRECOVERY	SETRESTARTRECOVERY shows reimbursements for system restart Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012)	Private
SETRPOWERPAYMENT	SETRPOWERPAYMENT shows specific payment details for Reactive power services by period. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.	Private
SETRPOWERRECOVERY	SETRPOWERRECOVERY shows reimbursements for Reactive Power Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012)	Private

25.2 Diagram: Entities: Settlement Data



25.3 Table: DAYTRACK

25.3.1 DAYTRACK

Name	DAYTRACK
Comment	DAYTRACK identifies the actual settlement run processed for each settlement day. Settlement run is in the column EXPOSTRUNNO. Generally, the number of the settlement run used in the latest statement is the maximum number.

25.3.2 Description

DAYTRACK is a public data, and is available to all participants.

Source

DAYTRACK is populated by the posting of a billing run.

Volume

Daily billing runs insert one row per day. A non-interim statement has seven records inserted per week. An indicative maximum is 35 records inserted per week.

25.3.3 Notes

Name	Comment	Value
Visibility		Public

25.3.4 Primary Key Columns

Name
EXPOSTRUNNO
SETTLEMENTDATE

25.3.5 Index Columns

Name
LASTCHANGED

25.3.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
REGIONID	VARCHAR2(10)		Not Used
EXANTERUNSTATUS	VARCHAR2(15)		This is to determine whether the Settlement Run is a valid run or not.
EXANTERUNNO	NUMBER(3,0)		Not Used
EXPOSTRUNSTATUS	VARCHAR2(15)		Estimate for DAILY/INITIAL and Actual for PRELIM/FINAL and REVISE.
EXPOSTRUNNO	NUMBER(3,0)	X	Settlement Run No
LASTCHANGED	DATE		Last date and time record changed
SETTLEMENTINTERVALLENGTH	NUMBER(3,0)		Length of a settlement interval, in minutes (was 30 minutes, will be 5 minutes starting the commencement of 5MS rule change date).
METER_CASEID	NUMBER(5,0)		The Metering Case Id used for the Settlement Run. For Estimate Daily Run this will be 0
METER_RUNTYPE	VARCHAR2(10)		The Type of Settlement Run(ESTIMATE/PRELIM/FINAL/REVISE)

25.4 Table: SET_ APC_COMPENSATION

25.4.1 SET_ APC_COMPENSATION

Name SET_ APC_COMPENSATION

Comment APC Compensation payment amounts in the Settlements timeframe

25.4.2 Notes

Name	Comment	Value
Visibility		Private

25.4.3 Primary Key Columns

Name

APEVENTID

CLAIMID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

25.4.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement run date
VERSIONNO	NUMBER(3)	X	Settlement run number
APEVENTID	NUMBER(6)	X	AP Event Id
CLAIMID	NUMBER(6)	X	AP Event Claim Id
PARTICIPANTID	VARCHAR2(20)	X	Participant identifier
PERIODID	NUMBER(3)	X	Trading interval identifier
COMPENSATION_AMOUNT	NUMBER(18,8)		Compensation amount for the event claim in this interval

25.5 Table: SET_ APC_RECOVERY

25.5.1 SET_ APC_RECOVERY

Name SET_ APC_RECOVERY

Comment APC Compensation recovery amounts in the Settlements timeframe

25.5.2 Notes

Name	Comment	Value
Visibility		Private

25.5.3 Primary Key Columns

Name
APEVENTID
CLAIMID
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.5.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement run date
VERSIONNO	NUMBER(3)	X	Settlement run number
APEVENTID	NUMBER(6)	X	AP Event Id
CLAIMID	NUMBER(6)	X	AP Event Claim Id
PARTICIPANTID	VARCHAR2(20)	X	Participant identifier
PERIODID	NUMBER(3)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(20)	X	Region id for the recovery amount
RECOVERY_AMOUNT	NUMBER(18,8)		Recovery amount in the region attributable to the participant for the event claim in this interval
REGION_RECOVERY_	NUMBER(18,8)		Total Recovery amount in the region for the

AMOUNT			event claim in this interval

25.6 Table: SET_ANCILLARY_SUMMARY

25.6.1 SET_ANCILLARY_SUMMARY

Name	SET_ANCILLARY_SUMMARY
Comment	SET_ANCILLARY_SUMMARY summarises payments for all Ancillary Services to participants on the basis of regions and trading intervals.

25.6.2 Description

SET_ANCILLARY_SUMMARY data is available to all participants.

Volume

Approximately 30, 000 per week.

25.6.3 Notes

Name	Comment	Value
Visibility		Public

25.6.4 Primary Key Columns

Name
PAYMENTTYPE
PERIODID
REGIONID
SERVICE
SETTLEMENTDATE
VERSIONNO

25.6.5 Index Columns

Name

LASTCHANGED

25.6.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No
SERVICE	VARCHAR2(20)	X	Ancillary service identifier (e.g. REACTIVE_POWER)
PAYMENTTYPE	VARCHAR2(20)	X	Payment type identifier (e.g. COMPENSATION)
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Trading interval
PAYMENTAMOUNT	NUMBER(18,8)		The NEM ancillary summary regional payment amount ($)
LASTCHANGED	DATE		Last date and time record changed

25.7 Table: SET_ENERGY_GENSET_DETAIL

25.7.1 SET_ENERGY_GENSET_DETAIL

Name	SET_ENERGY_GENSET_DETAIL
Comment	The Settlement Energy Genset report contains the Energy Transactions data for each generation meter point. This report is produced only for Settlement Date post the IESS rule effective date.

25.7.2 Notes

Name	Comment	Value
Visibility		Private

25.7.3 Primary Key Columns

Name

DUID

GENSETID

PERIODID

SETTLEMENTDATE

STATIONID

VERSIONNO

25.7.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
PARTICIPANTID	VARCHAR2(20)		The Participant Id Identifier
STATIONID	VARCHAR2(20)	X	The StationId identifier associated with the GensetId
DUID	VARCHAR2(20)	X	The DUID for the meter associated with the GensetId
GENSETID	VARCHAR2(20)	X	The GensetId for the Meter Id received
REGIONID	VARCHAR2(20)		The Region Id for the Connection Point associated with the DUID
CONNECTIONPOINTID	VARCHAR2(20)		The Connection Point associated with the DUID
RRP	NUMBER(18,8)		The Regional Reference Price for the Settlement Period
TLF	NUMBER(18,8)		The Transmission Loss Factor applied to the Connection Point Id. TLF is calculated based on the Net Flow at the TNI.

METERID	VARCHAR2(20)		The Meter ID Identifier (NMI)
CE_MWH	NUMBER(18,8)		The Consumed Energy for the Meter Id . Energy received in the meter reads (DLF Adjusted)
UFEA_MWH	NUMBER(18,8)		The UFEA allocation amount applied to the Meter Data
ACE_MWH	NUMBER(18,8)		The Adjusted Consumed Energy for the Meter Id (CE_MWh + UFEA)
ASOE_MWH	NUMBER(18,8)		The Adjusted Sent Out Energy for the Meter Id.
TOTAL_MWH	NUMBER(18,8)		The Total MWh for the Meter Id (ACE_MWh + ASOE_MWh)
DME_MWH	NUMBER(18,8)		The DME MWh value that is used to calculate the UFEA Allocation Amount
ACE_AMOUNT	NUMBER(18,8)		The Adjusted Consumed Energy Dollar Amount
ASOE_AMOUNT	NUMBER(18,8)		The Adjusted Sent Out Energy Dollar Amount
TOTAL_AMOUNT	NUMBER(18,8)		The Total Amount for the Meter Id (ACE_Amount + ASOE_Amount)
LASTCHANGED	DATE		The Last changed Date time of the record

25.8 Table: SET_ENERGY_REGION_SUMMARY

25.8.1 SET_ENERGY_REGION_SUMMARY

Name	SET_ENERGY_REGION_SUMMARY
Comment	The Settlement Energy Region Summary report contains the Energy Transactions Summary for all the NEM regions. This report is produced only for Settlement Date post the IESS rule effective date.

25.8.2 Notes

Name	Comment	Value
Visibility		Public

25.8.3 Primary Key Columns

Name

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

25.8.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
REGIONID	VARCHAR2(20)	X	The NEM Region Id Identifier
CE_MWH	NUMBER(18,8)		The Consumed Energy summary for the Region Id
UFEA_MWH	NUMBER(18,8)		The UFEA Energy summary for the Region Id
ACE_MWH	NUMBER(18,8)		The Adjusted Consumed Energy summary for the Region Id
ASOE_MWH	NUMBER(18,8)		The Adjusted Sent Out Energy summary for the Region Id
ACE_AMOUNT	NUMBER(18,8)		The Adjusted Consumed Energy Amount for the Region Id
ASOE_AMOUNT	NUMBER(18,8)		The Adjusted Sent Out Energy Amount for the Region Id
TOTAL_MWH	NUMBER(18,8)		The Total Energy summary for the Region Id
TOTAL_AMOUNT	NUMBER(18,8)		The Total Dollar Amount summary for the Region Id
LASTCHANGED	DATE		The Last changed Date time of the record

25.9 Table: SET_ENERGY_TRAN_SAPS

25.9.1 SET_ENERGY_TRAN_SAPS

Name	SET_ENERGY_TRAN_SAPS
Comment	The table shows the Transaction Details for the SAPS Connection Points. The table contains both the MSRPs and Retailers data

25.9.2 Notes

Name	Comment	Value
Visibility		Private

25.9.3 Primary Key Columns

Name
PARTICIPANTID
PERIODID
SETTLEMENTDATE
TNI
VERSIONNO

25.9.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Period Id identifier
PARTICIPANTID	VARCHAR2(20)	X	The Participant ID for the SAPS TNI
TNI	VARCHAR2(20)	X	The SAPS Connection Point Identifier
REGIONID	VARCHAR2(20)		The SAPS Region ID

SAPS_RRP	NUMBER(18,8)		The SAPS Settlement Price for the Region
CONSUMED_ENERGY_MWH	NUMBER(18,8)		The Energy MWh Consumed for that TNI for the Participant ID
SENTOUT_ENERGY_MWH	NUMBER(18,8)		The Energy MWh Sent Out for the TNI for the Participant Id
CONSUMED_ENERGY_COST	NUMBER(18,8)		The Cost of the Consumed Energy
SENTOUT_ENERGY_COST	NUMBER(18,8)		The Cost of the Sent Out Energy
LASTCHANGED	DATE		The Last changed Date time of the record

25.10 Table: SET_ENERGY_TRANSACTIONS

25.10.1 SET_ENERGY_TRANSACTIONS

Name SET_ENERGY_TRANSACTIONS

Comment The Settlement Energy Transactions report contains the Energy Transactions data for all the Participants based on their ACE and ASOE at each customer and generator Connection Point ID. This table is populated The Settlement Energy Transactions report contains the Energy Transactions data for all the Participants based on their ACE and ASOE at each customer and generator Connection Point ID. This table is populated only if Settlement Date is post the IESS rule effective date.

25.10.2 Notes

Name	Comment	Value
Visibility		Private

25.10.3 Primary Key Columns

Name

CONNECTIONPOINTID

METER_TYPE

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

25.10.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
CONNECTIONPOINTID	VARCHAR2(20)	X	The Connection Point associated with the Energy Transaction reads.
METER_TYPE	VARCHAR2(20)	X	The type of meter reads received. Eg Customer, Generator, BDU, NREG etc.
REGIONID	VARCHAR2(20)		The NEM Region Id Identifier
RRP	NUMBER(18,8)		The Regional Reference Price for the Region
TLF	NUMBER(18,8)		The Transmission Loss Factor applied to the Connection Point Id. TLF is calculated based on the Net Flow at the TNI.
CE_MWH	NUMBER(18,8)		The Consumed Energy . Energy received in the meter reads (DLF Adjusted)
UFEA_MWH	NUMBER(18,8)		The UFE Allocation Amount applied to the Participant
ACE_MWH	NUMBER(18,8)		The Adjusted Consumed Energy MWh (CE_MWh + UFEA) for the ConnectionPointId
ASOE_MWH	NUMBER(18,8)		The Adjusted Sent Out Energy for the ConnectionPointId . Energy received in the meter reads adjusted by DLF.
TOTAL_MWH	NUMBER(18,8)		The Total MWh Value for the Participant. ACE_MWh + ASOE_MWh
ACE_AMOUNT	NUMBER(18,8)		The dollar amount for Adjusted Consumed Energy MWh (ACE_MWh * TLF * RRP)

ASOE_AMOUNT	NUMBER(18,8)		The dollar amount for Adjusted Sent Out Energy MWh (ASOE_MWh * TLF * RRP)
TOTAL_AMOUNT	NUMBER(18,8)		The Total Dollar Value for the Participant. ACE_Amount + ASOE_Amount
CASE_ID	NUMBER(10,0)		The Metering Case ID
DME_MWH	NUMBER(18,8)		The DME MWh (Distribution Connected) that is used in the UFEA Calculation.
AGGREGATE_READ_FLAG	NUMBER(3,0)		The Flag is 1 if the meter data source is from Aggregate Reads Meter Data, Else 0
INDIVIDUAL_READ_FLAG	NUMBER(3,0)		The Flag is 1 if the meter data source is from Individual Reads Meter Data, Else 0
LASTCHANGED	DATE		The Last changed Date time of the record

25.11 Table: SET_FCAS_CLAWBACK_REQ

25.11.1 SET_FCAS_CLAWBACK_REQ

Name SET_FCAS_CLAWBACK_REQ

Comment This report contains the Interval Datetime affected by the Clawback Run and the adjusted FCAS requirement Costs.

25.11.2 Notes

Name	Comment	Value
Visibility		Public

25.11.3 Primary Key Columns

Name

BIDTYPE

CONSTRAINTID

INTERVAL_DATETIME

REGIONID

RUNNO

25.11.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	The Interval Datetime for which a the Clawback Run has been completed.
RUNNO	NUMBER(3,0)	X	The RunNo associated with the Clawback Run for the above interval date time.
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Constraint ID used in the FCAS Requirements.
REGIONID	VARCHAR2(20)	X	The Region ID associated with each Constraint Requirements
BIDTYPE	VARCHAR2(10)	X	The FCAS Service - DUID offered type
REGION_ENABLEMENT	NUMBER(18,8)		The Overridden Regional Enablement. SUM(FCAS MW) from FCAS.Clawback_Unitsolution
CONSTRAINT_ENABLEMENT	NUMBER(18,8)		How much is enabled for this bid Type within the constraint. Sum(Regional_Enablement) Group by Interval_Datetime, ConstraintId, BidType
REGION_BASE_COST	NUMBER(18,8)		The Region Base Cost adjusted by the Regional Enablement Adj Ratio
BASE_COST	NUMBER(18,8)		The Base cost of the constraint before the regulation/contingency split. SUM(REGION_BASE_COST) Group by interval datetime, ConstraintId
ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, after the regulation/contingency split. This is adjusted by the Base Cost Adjustment Ratio.
P_REGULATION	NUMBER(18,8)		P Regulation value is not affected by Clawback. This value is copied from Original Data source(DISPATCH)
PREV_REGION_ENABLEMENT	NUMBER(18,8)		The Regional Enablement before Override
PREV_CONSTRAINT_ENABLEMENT	NUMBER(18,8)		The Constraint Enablement before Override

PREV_REGION_BASE_COST	NUMBER(18,8)		The Region Base Cost before Override
PREV_BASE_COST	NUMBER(18,8)		The Base Cost before Override
PREV_ADJUSTED_COST	NUMBER(18,8)		The Adjusted Cost before override
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.12 Table: SET_FCAS_CLAWBACK_RUN_TRK

25.12.1 SET_FCAS_CLAWBACK_RUN_TRK

Name	SET_FCAS_CLAWBACK_RUN_TRK
Comment	This Settlements FCAS Clawback Run Track report contains the Interval Datetime for which a Clawback has occurred and included in the Settlement run. The report will be produced only if there is any Clawback Run for the Interval date time in the Settlement Date

25.12.2 Notes

Name	Comment	Value
Visibility		Public

25.12.3 Primary Key Columns

Name
INTERVAL_DATETIME
SETTLEMENTDATE
VERSIONNO

25.12.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No

INTERVAL_DATETIME	DATE	X	The Interval Datetime for which a Clawback Run has been completed.
RUNNO	NUMBER(3,0)		The RunNo associated with the Clawback for the above interval date time.
CLAWBACK_DATE	DATE		The Date time the Clawback data has been loaded into the System for processing.
PREV_DATA_SOURCE	VARCHAR2(20)		The Clawback Data source Used. If this interval has any Clawback already applied in past then value will be CLAWBACK , else DISPATCH. For the first Clawback processing for the Interval the Source is DISPATCH.
LASTCHANGED	DATE		The Last changed Date time of the record

25.13 Table: SET_FCAS_CLAWBACK_UNITSOLN

25.13.1 SET_FCAS_CLAWBACK_UNITSOLN

Name SET_FCAS_CLAWBACK_UNITSOLN

Comment This report contains the Interval Datetime affected by the Clawback Run and the reduced MW for the FCAS Service for each affected DUID.

25.13.2 Notes

Name	Comment	Value
Visibility		Private

25.13.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUNNO

25.13.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	The Interval Datetime for which a the Clawback Run has been completed.
RUNNO	NUMBER(3,0)	X	The RunNo associated with the Clawback Run for the above interval date time.
DUID	VARCHAR2(20)	X	The DUID for which the Reduced MW has been applied for the FCAS Service.
LOWER1SEC	NUMBER(18,8)		The Clawback Volume for the LOWER1SEC Service. If this service is not affected in that Clawback then retain Prev Value.
LOWER5MIN	NUMBER(18,8)		The Clawback Volume for the LOWER5MIN Service. If this service is not affected in that Clawback then retain Prev Value.
LOWER60SEC	NUMBER(18,8)		The Clawback Volume for the LOWER60SEC Service. If this service is not affected in that Clawback then retain Prev Value.
LOWER6SEC	NUMBER(18,8)		The Clawback Volume for the LOWER6SEC Service. If this service is not affected in that Clawback then retain Prev Value.
RAISE1SEC	NUMBER(18,8)		The Clawback Volume for the RAISE1SEC Service. If this service is not affected in that Clawback then retain Prev Value.
RAISE5MIN	NUMBER(18,8)		The Clawback Volume for the RAISE5MIN Service. If this service is not affected in that Clawback then retain Prev Value.
RAISE60SEC	NUMBER(18,8)		The Clawback Volume for the RAISE60SEC Service. If this service is not affected in that Clawback then retain Prev Value.
RAISE6SEC	NUMBER(18,8)		The Clawback Volume for the RAISE6SEC Service. If this service is not affected in that Clawback then retain Prev Value.
LOWERREG	NUMBER(18,8)		The Clawback Volume for the LOWERREG Service. If this service is not affected in that Clawback then retain Prev Value.
RAISEREG	NUMBER(18,8)		The Clawback Volume for the RAISEREG Service. If this service is not affected in that

			Clawback then retain Prev Value.
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.14 Table: SET_FCAS_PAYMENT

25.14.1 SET_FCAS_PAYMENT

Name	SET_FCAS_PAYMENT
Comment	SET_FCAS_PAYMENT sets out the enabling payment details for frequency controlled Ancillary Services.

25.14.2 Description

SET_FCAS_PAYMENT data is confidential to the relevant participant.

Volume

Approximately 150,000 per week.

25.14.3 Notes

Name	Comment	Value
Visibility		Private

25.14.4 Primary Key Columns

Name
DUID
PERIODID
SETTLEMENTDATE
VERSIONNO

25.14.5 Index Columns

Name

LASTCHANGED

25.14.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No
PARTICIPANTID	VARCHAR2(10)		Participant identifier
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
REGIONID	VARCHAR2(10)		Region Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
LOWER6SEC_PAYMENT	NUMBER(18,8)		Lower 6 Second Payment
RAISE6SEC_PAYMENT	NUMBER(18,8)		Raise 6 Second Payment
LOWER60SEC_PAYMENT	NUMBER(18,8)		Lower 60 Second Payment
RAISE60SEC_PAYMENT	NUMBER(18,8)		Raise 60 Second Payment
LOWER5MIN_PAYMENT	NUMBER(18,8)		Lower 5 Minute Payment
RAISE5MIN_PAYMENT	NUMBER(18,8)		Raise 5 Minute Payment
LOWERREG_PAYMENT	NUMBER(18,8)		Lower 5 Minute Regulation Payment
RAISEREG_PAYMENT	NUMBER(18,8)		Raise 5 Minute Regulation Payment
LASTCHANGED	DATE		Last date and time record changed
RAISE1SEC_PAYMENT	NUMBER(18,8)		Payment amount for the very fast raise service
LOWER1SEC_PAYMENT	NUMBER(18,8)		Payment amount for the very fast lower service

25.15 Table: SET_FCAS_RECOVERY

25.15.1 SET_FCAS_RECOVERY

Name SET_FCAS_RECOVERY

Comment	SET_FCAS_RECOVERY shows reimbursements for the Frequency Control Ancillary Services (FCAS) to be recovered from participants. Beware of potential confusion with the table SETFCASRECOVERY, which reports reimbursements for Frequency Control Ancillary Services Compensation (now unused).

25.15.2 Description

SET_FCAS_RECOVERY data is confidential to the relevant participant.

Volume

Approximately 1, 500, 000 per week.

25.15.3 Notes

Name	Comment	Value
Visibility		Private

25.15.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.15.5 Index Columns

Name
LASTCHANGED

25.15.6 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	VARCHAR2(3)	X	Settlement Run No
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
LOWER6SEC_RECOVERY	NUMBER(18,8)		Recovery amount for the Lower 6 Second service attributable to customer connection points. NULL for Settlement date post the IESS rule effective date
RAISE6SEC_RECOVERY	NUMBER(18,8)		Recovery amount for the Raise 6 Second service attributable to customer connection points. NULL for Settlement dates post the IESS rule effective date
LOWER60SEC_RECOVERY	NUMBER(18,8)		Recovery amount for the Lower 60 Second service attributable to customer connection points. NULL for Settlement dates post the IESS rule effective date
RAISE60SEC_RECOVERY	NUMBER(18,8)		Recovery amount for the Raise 60 Second service attributable to customer connection points. NULL for Settlement dates post the IESS rule effective date
LOWER5MIN_RECOVERY	NUMBER(18,8)		Recovery amount for the Lower 5 Minute service attributable to customer connection points. NULL for Settlement dates post the IESS rule effective date
RAISE5MIN_RECOVERY	NUMBER(18,8)		Recovery amount for the Raise 5 Minute service attributable to customer connection points. NULL for Settlement dates post the IESS rule effective date
LOWERREG_RECOVERY	NUMBER(18,8)		For Settlement Date post the IESS rule effective date the column represent the Lower Regulation FCAS MPF Recovery Amount from Customer and Generator Connection Point MPFs only. Residue Recovery Amount is not included in this amount. For Settlement Dates past FPP Rule Effective Dates this column will be NULL.
RAISEREG_RECOVERY	NUMBER(18,8)		For Settlement Date post the IESS rule effective date the column represent the Raise Regulation FCAS MPF Recovery Amount from Customer and Generator Connection Point

			MPFs only. Residue Recovery Amount is not included in this amount. For Settlement Dates past FPP Rule Effective Dates this column will be NULL.
LASTCHANGED	DATE		Last date and time record changed
LOWER6SEC_RECOVERY_GEN	NUMBER(18,8)		Recovery amount for the Lower 6 Second service attributable to generator connection points. NULL for Settlement dates post the IESS rule effective date
RAISE6SEC_RECOVERY_GEN	NUMBER(18,8)		Recovery amount for the Raise 6 Second service attributable to generator connection points. NULL for Settlement dates post the IESS rule effective date
LOWER60SEC_RECOVERY_GEN	NUMBER(18,8)		Recovery amount for the Lower 60 Second service attributable to generator connection points. NULL for Settlement dates post the IESS rule effective date
RAISE60SEC_RECOVERY_GEN	NUMBER(18,8)		Recovery amount for the Raise 60 Second service attributable to generator connection points. NULL for Settlement dates post the IESS rule effective date
LOWER5MIN_RECOVERY_GEN	NUMBER(18,8)		Recovery amount for the Lower 5 Minute service attributable to generator connection points. NULL for Settlement dates post the IESS rule effective date
RAISE5MIN_RECOVERY_GEN	NUMBER(18,8)		Recovery amount for the Raise 5 Minute service attributable to generator connection points. NULL for Settlement dates post the IESS rule effective date
LOWERREG_RECOVERY_GEN	NUMBER(18,8)		For Settlement date prior to the IESS rule effective date, the column represent Sum of MPF Lower Regulation recovery amount from Generator Connection Points. NULL for Settlement dates post the IESS rule effective date.
RAISEREG_RECOVERY_GEN	NUMBER(18,8)		For Settlement date prior to the IESS rule effective date, the column represent Sum of MPF Raise Regulation recovery amount from Generator Connection Points. NULL for Settlement dates post the IESS rule effective date.
RAISE1SEC_RECOVERY	NUMBER(18,8)		Customer recovery amount for the very fast raise service. NULL for Settlement dates post

			the IESS rule effective date
LOWER1SEC_RECOVERY	NUMBER(18,8)		Customer recovery amount for the very fast lower service. NULL for Settlement dates post the IESS rule effective date
RAISE1SEC_RECOVERY_GEN	NUMBER(18,8)		Generator recovery amount for the very fast raise service. NULL for Settlement dates post the IESS rule effective date
LOWER1SEC_RECOVERY_GEN	NUMBER(18,8)		Generator recovery amount for the very fast lower service. NULL for Settlement dates post the IESS rule effective date
LOWERREG_ACE	NUMBER(18,8)		The Lower Regulation FCAS Residue Recovery Amount using ACE MWh values excluding the MPF Connection Points. NULL value for Settlement Dates prior to the IESS rule effective date. For Settlement dates past FPP Rule Effective date this column will be LOWERREG_USED_ACE + LOWERREG_UNUSED_ACE
RAISEREG_ACE	NUMBER(18,8)		The Raise Regulation FCAS Residue Recovery Amount using ACE MWh values excluding the MPF Connection Points. NULL Value for Settlement Dates prior to the IESS rule effective date. For Settlement dates past FPP Rule Effective date this column will be RAISEREG_USED_ACE + RAISEREG_UNUSED_ACE
RAISE1SEC_ACE	NUMBER(18,8)		The Raise1Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE1SEC_ASOE	NUMBER(18,8)		The Raise1Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER1SEC_ACE	NUMBER(18,8)		The Lower1Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER1SEC_ASOE	NUMBER(18,8)		The Lower1Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE6SEC_ACE	NUMBER(18,8)		The Raise6Sec FCAS Recovery Amount for the

			Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE6SEC_ASOE	NUMBER(18,8)		The Raise6Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER6SEC_ACE	NUMBER(18,8)		The Lower6Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER6SEC_ASOE	NUMBER(18,8)		The Lower6Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE60SEC_ACE	NUMBER(18,8)		The Raise60Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE60SEC_ASOE	NUMBER(18,8)		The Raise60Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER60SEC_ACE	NUMBER(18,8)		The Lower60Sec FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER60SEC_ASOE	NUMBER(18,8)		The Lower60Sec FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE5MIN_ACE	NUMBER(18,8)		The Raise5Min FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
RAISE5MIN_ASOE	NUMBER(18,8)		The Raise5Min FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWER5MIN_ACE	NUMBER(18,8)		The Lower5Min FCAS Recovery Amount for the Participant and Region from ACE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.

LOWER5MIN_ASOE	NUMBER(18,8)		The Lower5Min FCAS Recovery Amount for the Participant and Region from ASOE MWh Portion. NULL Value for Settlement Dates prior to the IESS rule effective date.
LOWERREG_ASOE	NUMBER(18,8)		This column is LOWERREG_USED_ASOE + LOWERREG_UNUSED_ASOE. For Settlement dates prior to FPP Rule Effective date this column will be NULL
RAISEREG_ASOE	NUMBER(18,8)		This column is RAISEREG_USED_ASOE + RAISEREG_UNUSED_ASOE. For Settlement dates prior to FPP Rule Effective date this column will be NULL
LOWERREG_USED	NUMBER(18,8)		The LowerReg Used amount for the Participant and Region
RAISEREG_USED	NUMBER(18,8)		The RaiseReg Used amount for the Participant and Region
LOWERREG_UNUSED	NUMBER(18,8)		The LowerReg Unused amount for the Participant and Region
RAISEREG_UNUSED	NUMBER(18,8)		The RaiseReg Unused amount for the Participant and Region
LOWERREG_USED_ACE	NUMBER(18,8)		The LowerReg Used ACE Portion amount for the Participant and Region
LOWERREG_USED_ASOE	NUMBER(18,8)		The LowerReg Used ASOE Portion amount for the Participant and Region
LOWERREG_USED_RESIDUAL	NUMBER(18,8)		The LowerReg Used Residual amount for the Participant and Region(LowerReg_Used_ACE + LowerReg_Used_ASOE)
RAISEREG_USED_ACE	NUMBER(18,8)		The RaiseReg Used ACE Portion amount for the Participant and Region
RAISEREG_USED_ASOE	NUMBER(18,8)		The RaiseReg Used ASOE Portion amount for the Participant and Region
RAISEREG_USED_RESIDUAL	NUMBER(18,8)		The RaiseReg Used Residual amount for the Participant and Region RaiseReg_Used_ACE + RaiseReg_Used_ASOE
LOWERREG_UNUSED_ACE	NUMBER(18,8)		The LowerReg Unused ACE Portion amount for the Participant and Region
LOWERREG_UNUSED_ASOE	NUMBER(18,8)		The LowerReg Unused ASOE Portion amount for the Participant and Region

LOWERREG_UNUSED_RESIDUAL	NUMBER(18,8)		The LowerReg Unused Residual amount for the Participant and Region LowerReg_Unused_ACE + LowerReg_Unused_ASOE
RAISEREG_UNUSED_ACE	NUMBER(18,8)		The RaiseReg Unused ACE Portion amount for the Participant and Region
RAISEREG_UNUSED_ASOE	NUMBER(18,8)		The RaiseReg Unused ASOE Portion amount for the Participant and Region
RAISEREG_UNUSED_RESIDUAL	NUMBER(18,8)		The RaiseReg Unused Residual amount for the Participant and Region RaiseReg_Unused_ACE + RaiseReg_Unused_ASOE

25.16 Table: SET_FCAS_REG_AMOUNT

25.16.1 SET_FCAS_REG_AMOUNT

Name SET_FCAS_REG_AMOUNT

Comment This report contains the the FCAS Regulation Amounts that include FPP Amounts, Used Amounts and Unused Amounts calculated using the Contribution Factors

25.16.2 Notes

Name	Comment	Value
Visibility		Private

25.16.3 Primary Key Columns

Name

CONSTRAINTID

PERIODID

SETTLEMENTDATE

UNITID

VERSIONNO

25.16.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
UNITID	VARCHAR2(20)	X	The UNITID with CF factor assigned. This is a DUID or a TNI. Refer table FPP_CONTRIBUTION_FACTOR
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Regulation Constraint ID
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
PARTICIPANTID	VARCHAR2(20)		The Participant Id Identifier
BIDTYPE	VARCHAR2(10)		The BidType LOWERREG or RAISEREG for the Constraint ID
FPP_AMOUNT	NUMBER(18,8)		The FPP Amount calculated for the Constraint and UNITID using the FPP Contribution Factor
USED_AMOUNT	NUMBER(18,8)		The Regulation Used Recovery Amount from the eligible Units using Negative CF Value
UNUSED_AMOUNT	NUMBER(18,8)		The Regulation Unused Recovery Amount from Eligible Units using DCF Value
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.17 Table: SET_FCAS_REG_DEF_AMT

25.17.1 SET_FCAS_REG_DEF_AMT

Name SET_FCAS_REG_DEF_AMT

Comment This report contains the the FCAS Regulation Amounts that include FPP Amounts, Used Amounts and Unused Amounts calculated using the Default Contribution Factors. This is when FPP Factors are not available for a particular interval and system used DCF in the calculation.

25.17.2 Notes

Name Comment Value

Visibility	Private

25.17.3 Primary Key Columns

Name

CONSTRAINTID

PERIODID

SETTLEMENTDATE

UNITID

VERSIONNO

25.17.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
UNITID	VARCHAR2(20)	X	The UnitId with CF factor assigned. This is a DUID or a TNI. Refer table FPP_CONTRIBUTION_FACTOR
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Regulation Constraint ID
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
PARTICIPANTID	VARCHAR2(20)		The Participant Id Identifier
BIDTYPE	VARCHAR2(10)		The BidType LOWERREG or RAISEREG for the Constraint ID
UNUSED_AMOUNT	NUMBER(18,8)		The Regulation Unused Recovery Amount from Eligible Units using DCF Value
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.18 Table: SET_FCAS_REG_DEF_RESIDAMT

25.18.1 SET_FCAS_REG_DEF_RESIDAMT

Name	SET_FCAS_REG_DEF_RESIDAMT
Comment	This report contains the FCAS Regulation Residue Amounts that include FPP Residual Amounts, Used Residual Amounts and Unused Residual Amounts calculated using the Energy Ratio for each Requirement Region and the Default Residual CF.

25.18.2 Notes

Name	Comment	Value
Visibility		Private

25.18.3 Primary Key Columns

Name
CONSTRAINTID
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.18.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Regulation Constraint ID
PERIODID	NUMBER(3,0)	X	The Period ID Identifier

REGIONID	VARCHAR2(20)	X	The RegionId used for the residual calculation. This is the Constraint Requirement Region.
BIDTYPE	VARCHAR2(10)		The BidType LOWERREG or RAISEREG for the Constraint ID
ACE_MWH	NUMBER(18,8)		The ACE MWh value that is used for the Residual Calculation.(Excluding CPID with CF)
ASOE_MWH	NUMBER(18,8)		The ASOE MWh value that is used for the Residual Calculation.(Excluding CPID with CF)
RESIDUAL_MWH	NUMBER(18,8)		Sum of ABS(ACE_MWh) + ASOE_MWh. The MWh is not netted for residual calculation.
UNUSED_ACE_AMOUNT	NUMBER(18,8)		The Unused Recovery ACE Amount calculated using the ACE MWh value of the requirement regions.
UNUSED_ASOE_AMOUNT	NUMBER(18,8)		The Unused Recovery ASOE Amount calculated using the ASOE MWh value of the requirement regions.
UNUSED_RESIDUAL_AMOUNT	NUMBER(18,8)		Sum of UNUSED_ACE_AMOUNT + UNUSED_ASOE_AMOUNT.
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.19 Table: SET_FCAS_REG_RESIDAMT

25.19.1 SET_FCAS_REG_RESIDAMT

Name SET_FCAS_REG_RESIDAMT

Comment This report contains the FCAS Regulation Residue Amounts that include FPP Residual Amounts, Used Residual Amounts and Unused Residual Amounts calculated using the Energy Ratio for each Requirement Region.

25.19.2 Notes

Name	Comment	Value
Visibility		Private

25.19.3 Primary Key Columns

Name

CONSTRAINTID

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

25.19.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
CONSTRAINTID	VARCHAR2(20)	X	The FCAS Regulation Constraint ID
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
REGIONID	VARCHAR2(20)	X	The RegionId used for the residual calculation. This is the Constraint Requirement Region.
BIDTYPE	VARCHAR2(10)		The BidType LOWERREG or RAISEREG for the Constraint ID
ACE_MWH	NUMBER(18,8)		The ACE MWh value that is used for the Residual Calculation.(Excluding CPID with CF)
ASOE_MWH	NUMBER(18,8)		The ASOE MWh value that is used for the FCAS Residual Calculation.(Excluding CPID with CF).
RESIDUAL_MWH	NUMBER(18,8)		Sum of ABS(ACE_MWh) + ASOE_MWh. The MWh is not netted for residual calculation.
FPP_ACE_AMOUNT	NUMBER(18,8)		The FPP ACE Amount calculated using the portion of ACE MWh value against the Total residual MWh of the requirement regions.

FPP_ASOE_AMOUNT	NUMBER(18,8)		The FPP ASOE Amount calculated using the portion of ASOE MWh value against the Total residual MWh of the requirement regions.
FPP_RESIDUAL_AMOUNT	NUMBER(18,8)		Sum of FPP_ACE_Amount + FPP_ASOE_Amount
USED_ACE_AMOUNT	NUMBER(18,8)		The Used Recovery ACE Amount calculated using the ACE MWh value of the requirement regions.
USED_ASOE_AMOUNT	NUMBER(18,8)		The Used Recovery ASOE Amount calculated using the portion of ASOE MWh value against the Total residual MWh of the requirement regions.
USED_RESIDUAL_AMOUNT	NUMBER(18,8)		Sum of USED_ACE_AMOUNT + USED_ASOE_AMOUNT.
UNUSED_ACE_AMOUNT	NUMBER(18,8)		The Unused Recovery ACE Amount calculated using the portion of ACE MWh value against the Total residual MWh of the requirement regions.
UNUSED_ASOE_AMOUNT	NUMBER(18,8)		The Unused Recovery ASOE Amount calculated using the portion of ASOE MWh value against the Total residual MWh of the requirement regions.
UNUSED_RESIDUAL_AMOUNT	NUMBER(18,8)		Sum of UNUSED_ACE_AMOUNT + UNUSED_ASOE_AMOUNT.
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.20 Table: SET_FCAS_REGULATION_TRK

25.20.1 SET_FCAS_REGULATION_TRK

Name	SET_FCAS_REGULATION_TRK
Comment	SET_FCAS_REGULATION_TRK shows FCAS Regulation Service Constraint tracking for Regional FCAS Regulation recovery

25.20.2 Description

SET_FCAS_REGULATION_TRK contains public data and is available to all participants.

Volume

Approximately 350,000 per week.

25.20.3 Notes

Name	Comment	Value
Visibility		Public

25.20.4 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
SETTLEMENTDATE
VERSIONNO

25.20.5 Index Columns

Name
LASTCHANGED

25.20.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No
INTERVAL_DATETIME	DATE	X	Dispatch Interval Date Time
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint ID
CMPF	NUMBER(18,8)		Constraint Market Participant Factor. This column is NULL for Settlement Dates past FPP Rule Effective Date
CRMPF	NUMBER(18,8)		Constraint Residual Market Participant Factor.

			This column is NULL for Settlement Dates past FPP Rule Effective Date
RECOVERY_FACTOR_CMPF	NUMBER(18,8)		Recovery factor for CMPF based recovery. This column is NULL for Settlement Dates past FPP Rule Effective Date
RECOVERY_FACTOR_CRMPF	NUMBER(18,8)		Recovery factor for CRMPF based recovery. This column is NULL for Settlement Dates past FPP Rule Effective Date.
LASTCHANGED	DATE		Last date and time record changed
USESUBSTITUTEDEMAND	NUMBER(1,0)		Flag to indication that substitute demand was used to recover this requirement
REQUIREMENTDEMAND	NUMBER(18,8)		the aggregate customer demand value used to recover the cost of this requirement
FPP_AMOUNT	NUMBER(18,8)		The total FPP Amount from Eligible Units for the Constraint Id
FPP_RESIDUAL_AMOUNT	NUMBER(18,8)		The total FPP Residual Amount for the Constraint Id
USED_AMOUNT	NUMBER(18,8)		The total Reg Used Amount from Eligible Units for the Constraint Id
USED_RESIDUAL_AMOUNT	NUMBER(18,8)		The total Reg Used Residual Amount for the Constraint Id
UNUSED_AMOUNT	NUMBER(18,8)		The total Reg Unused Amount from Eligible Units for the Constraint Id
UNUSED_RESIDUAL_AMOUNT	NUMBER(18,8)		The total Reg Unused Residual Amount for the Constraint Id
P_REGULATION	NUMBER(18,8)		The PRegulation Value from Constraints FCAS Requirement data
TSFCAS	NUMBER(18,8)		The Adjusted Cost Value from Constraints FCAS Requirement data
RCR	NUMBER(18,8)		The RCR Value from the FPP Inputs for the Constraint Id used to calculate FPP Amount
USAGE_VALUE	NUMBER(18,8)		The Usage Value from the FPP Inputs for the Constraint Id used to calculate Used Amount
RCF	NUMBER(18,8)		The RCF Value from the FPP Inputs for the Constraint Id used to calculate FPP Residual

NRCF	NUMBER(18,8)		The NRCF Value from the FPP Inputs for the Constraint Id used to calculate Used Residual Amount
DRCF	NUMBER(18,8)		The DRCF Value from the FPP Inputs for the Constraint Id used to calculate Unused Residual Amount
RESIDUALTOTAL_MWH	NUMBER(18,8)		The total residual MWh(ABS(ACE_MWh) + ASOE(MWh)) of the requirement regions.

25.21 Table: SET_FPP

25.21.1 SET_FPP

Name	SET_FPP
Comment	This report contains the summary of FPP Amounts for each ParticipantId in each region

25.21.2 Notes

Name	Comment	Value
Visibility		Private

25.21.3 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.21.4 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PARTICIPANTID	VARCHAR2(20)	X	The Participant Id Identifier
REGIONID	VARCHAR2(20)	X	The RegionId used for the residual calculation. This is the Constraint Requirement Region.
PERIODID	NUMBER(3,0)	X	The Period ID Identifier
LOWERREG_AMOUNT	NUMBER(18,8)		The LowerReg Amount from the Eligible Units.
LOWERREG_ACE_AMOUNT	NUMBER(18,8)		The LowerReg Amount from the ACE Portion of the Residual amount
LOWERREG_ASOE_AMOUNT	NUMBER(18,8)		The LowerReg Amount from the ASOE Portion of the Residual amount
LOWERREG_RESIDUAL_AMOUNT	NUMBER(18,8)		The Lower Reg Residual Amount which is also LowerReg_ACE_Amount + LowerReg_ASOE_Amount
RAISEREG_AMOUNT	NUMBER(18,8)		The RaiseReg Amount from the Eligible Units.
RAISEREG_ACE_AMOUNT	NUMBER(18,8)		The RaiseReg Amount from the ACE Portion of the Residual amount
RAISEREG_ASOE_AMOUNT	NUMBER(18,8)		The RaiseReg Amount from the ASOE Portion of the Residual amount
RAISEREG_RESIDUAL_AMOUNT	NUMBER(18,8)		The Raise Reg Residual Amount which is also RaiseReg_ACE_Amount + RaiseReg_ASOE_Amount
LASTCHANGED	DATE		The Last Changed Date time of the record.

25.22 Table: SET_IRSR_DIRECTIONAL_LINK

25.22.1 SET_IRSR_DIRECTIONAL_LINK

Name SET_IRSR_DIRECTIONAL_LINK

Comment This report contains the MW Flow and Inter-Regional Residue Amounts for all primary interconnectors.

25.22.2 Notes

Name	Comment	Value
Visibility		Public

25.22.3 Primary Key Columns

Name
FROMREGIONID
INTERCONNECTORID
PERIODID
SETTLEMENTDATE
VERSIONNO

25.22.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Settlement Period Id(1-288)
INTERCONNECTORID	VARCHAR2(20)	X	The Interconnector Identifier
FROMREGIONID	VARCHAR2(20)	X	The Exporting Region Identifier
INTERCONNECTORLOOPID	VARCHAR2(20)		The Interconnector Loop Identifier, Blank if Interconnector not part of the loop
MWFLOW	NUMBER(18,8)		Consumed Energy in MWh
SURPLUSVALUE	NUMBER(18,8)		Updated Surplus Value for the primary interconnector
ORG_SURPLUSVALUE	NUMBER(18,8)		Original Surplus Value
LASTCHANGED	DATE		The last changed date time of the record

25.23 Table: SET_IRSR_LOOP_NETTRADE_AMOUNT

25.23.1 SET_IRSR_LOOP_NETTRADE_AMOUNT

Name	SET_IRSR_LOOP_NETTRADE_AMOUNT
Comment	This report contains the final net trade amount for the two directional interconnectors to allocate.

25.23.2 Notes

Name	Comment	Value
Visibility		Public

25.23.3 Primary Key Columns

Name

FROMREGIONID

INTERCONNECTORID

INTERCONNECTORLOOPID

PERIODID

SETTLEMENTDATE

VERSIONNO

25.23.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Settlement Period Id(1-288)
INTERCONNECTORID	VARCHAR2(20)	X	The Interconnector Identifier
FROMREGIONID	VARCHAR2(20)	X	The Exporting Region Identifier

INTERCONNECTORLOOPID	VARCHAR2(20)	X	The Interconnector Loop Identifier
NLA	NUMBER(18,8)		Net Loop Allocation(can be positive or negative)
NETREGIONAL_MWH	NUMBER(18,8)		Net Flow for the Region
REGIONRRP	NUMBER(18,8)		Exporting Region RRP
RRPDIFF	NUMBER(18,8)		Importing and Exporting Region RRP difference
NOTIONALAMOUNT	NUMBER(18,8)		Notional Amount for each direction interconnector
PROVNETTRADEAMOUNT	NUMBER(18,8)		Provisional Net Trade Amount based on the Positive Allocation
FINALNETTRADEAMOUNT	NUMBER(18,8)		Final Net Trade Amount
LASTCHANGED	DATE		The last changed date time of the record

25.24 Table: SET_IRSR_LOOP_NSP_ALLOCATION

25.24.1 SET_IRSR_LOOP_NSP_ALLOCATION

Name	SET_IRSR_LOOP_NSP_ALLOCATION
Comment	This report contains Inter-Regional Negative Residue Amounts to allocate to TNSPs.

25.24.2 Notes

Name	Comment	Value
Visibility		Private

25.24.3 Primary Key Columns

Name
INTERCONNECTORLOOPID
PARTICIPANTID
PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

25.24.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Settlement Period Id(1-288)
REGIONID	VARCHAR2(20)	X	The Region Identifier
PARTICIPANTID	VARCHAR2(20)	X	The TNSP Participant Identifier
INTERCONNECTORLOOPID	VARCHAR2(20)	X	The Interconnector Loop Identifier
ALLOCATION	NUMBER(18,8)		Participant Portion %(e.g. 100)
NLA	NUMBER(18,8)		Net Loop Allocation(negative only)
AVGREGION_MWH	NUMBER(18,8)		Annual Regional Demand for the Region
TOTALREGION_MWH	NUMBER(18,8)		Total Annual Regional Demand for all Regions in the Loop
RESIDUE_AMOUNT	NUMBER(18,8)		Calculated Negative Residue Amount based on regional share
LASTCHANGED	DATE		The last changed date time of the record.

25.25 Table: SET_IRSR_LOOP_REGION_SUMMARY

25.25.1 SET_IRSR_LOOP_REGION_SUMMARY

Name SET_IRSR_LOOP_REGION_SUMMARY

Comment This report contains Inter-Regional Net Loop Allocations and Net Regional Export Quantities.

25.25.2 Notes

Name	Comment	Value
Visibility		Public

25.25.3 Primary Key Columns

Name
INTERCONNECTORLOOPID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.25.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week
VERSIONNO	NUMBER(3,0)	X	The Settlement Run No
PERIODID	NUMBER(3,0)	X	The Settlement Period Id(1-288)
REGIONID	VARCHAR2(20)	X	The Region Id
INTERCONNECTORLOOPID	VARCHAR2(20)	X	The Interconnector Loop Identifier
POSLOOPALLOCATION	NUMBER(18,8)		Total Positive Allocation across the Loop
NEGLOOPALLOCATION	NUMBER(18,8)		Total Negative Allocation across the Loop
NLA	NUMBER(18,8)		Net Loop Allocation(can be positive or negative)
EXPORT_MWH	NUMBER(18,8)		Total Export Flow in MWh for the Region
IMPORT_MWH	NUMBER(18,8)		Total Import Flow in MWh for the Region
NETREGIONAL_MWH	NUMBER(18,8)		Net Flow for the Region

LASTCHANGED	DATE		The last changed date time of the record.

25.26 Table: SET_NMAS_MANUAL_PAYMENT

25.26.1 SET_NMAS_MANUAL_PAYMENT

Name	SET_NMAS_MANUAL_PAYMENT
Comment	This report contains the NMAS Manual TI Payments that are uploaded by the Settlement Business Team. Amounts in this table are not calculated by the Settlement System.

25.26.2 Notes

Name	Comment	Value
Visibility		Private

25.26.3 Primary Key Columns

Name

CONTRACTID

DUID

PARTICIPANTID

PAYMENTTYPE

PERIODID

SERVICETYPE

SETTLEMENTDATE

VERSIONNO

25.26.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The Settlement Date of the Billing Week.

VERSIONNO	NUMBER(3,0)	X	The Settlement Run No.
PARTICIPANTID	VARCHAR2(20)	X	The Contract Participant Id.
CONTRACTID	VARCHAR2(20)	X	The NMAS System Security Contract ID.
DUID	VARCHAR2(20)	X	The DUID associated with the Contract Payment.
SERVICETYPE	VARCHAR2(40)	X	The NMAS System Security Service Types (INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2 and so on).
PAYMENTTYPE	VARCHAR2(20)	X	The Payment Type associated with the Service like Availability, Usage, Enablement, Energy Revenue, Test, ADHOC and so on.
PERIODID	NUMBER(3,0)	X	The Settlement Period Id (1-288).
REGIONID	VARCHAR2(10)		The Contract Region Id.
PAYMENTAMOUNT	NUMBER(18,8)		The NMAS Contract Manual Payment for the Payment Type.
LASTCHANGED	DATE		The last changed date time of the record.

25.27 Table: SET_NMAS_RECOVERY

25.27.1 SET_NMAS_RECOVERY

Name SET_NMAS_RECOVERY

Comment SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

25.27.2 Notes

Name	Comment	Value
Visibility		Private

25.27.3 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PAYMENTTYPE

PERIODID

REGIONID

SERVICE

SETTLEMENTDATE

VERSIONNO

25.27.4 Index Columns

Name

LASTCHANGED

25.27.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement run number
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR(20)	X	The Participant from whom the amount is recovered
SERVICE	VARCHAR2(20)	X	The type of NSCAS service incl ISF Services. Current value values are: - REACTIVE - LOADSHED - RESTART - INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2

CONTRACTID	VARCHAR2(20)	X	The NMAS/ISF Contract Id
PAYMENTTYPE	VARCHAR(20)	X	The type of payment being recovered. Valid values are: - AVAILABILITY - ENABLEMENT - COMPENSATION
REGIONID	VARCHAR(10)	X	The region from where the amount is recovered
RBF	NUMBER(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	NUMBER(18,8)		The total Payment Amount to recover from all benefitting regions
PARTICIPANT_ENERGY	NUMBER(18,8)		The Participant energy in MWh for the period. NULL Value for Settlement Dates post IESS rule effective date.
REGION_ENERGY	NUMBER(18,8)		The RegionId energy in MWh for the period. NULL Value for Settlement Dates post IESS rule effective date.
RECOVERY_AMOUNT	NUMBER(18,8)		The Total recovery amount for the period for the PARTICIPANTID and REGIONID. For Settlement dates prior to the IESS rule effective date Sum of RECOVERY_AMOUNT_CUSTOMER + RECOVERY_AMOUNT_GENERATOR and Post IESS it is sum of RECOVERYAMOUNT_ACE + RECOVERYAMOUNT_ASOE.
LASTCHANGED	DATE		The Last Updated date and time
PARTICIPANT_GENERATION	NUMBER(18,8)		Participant Generator Energy in the benefitting region. NULL Value for Settlement Dates post IESS rule effective date.
REGION_GENERATION	NUMBER(18,8)		The generator energy in the benefitting region. NULL Value for Settlement Dates post IESS rule effective date.
RECOVERY_AMOUNT_CUSTOMER	NUMBER(18,8)		The recovery amount allocated to customers. NULL Value for Settlement Dates post IESS rule effective date.
RECOVERY_AMOUNT_GENERATOR	NUMBER(18,8)		The recovery amount allocated to generators. NULL Value for Settlement Dates post IESS rule effective date.

PARTICIPANT_ACE_MWH	NUMBER(18,8)		The ACE MWh value for the Participant used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
REGION_ACE_MWH	NUMBER(18,8)		The Regional ACE MWh value used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
PARTICIPANT_ASOE_MWH	NUMBER(18,8)		The ASOE MWh value for the Participant used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
REGION_ASOE_MWH	NUMBER(18,8)		The Regional ASOE MWh value used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
RECOVERYAMOUNT_ACE	NUMBER(18,8)		The Recovery dollar amount for the Participant for the NMAS Contract Id calculated using the ACE MWh values for eligible services. NULL Value for Settlement Dates prior to the IESS rule effective date.
RECOVERYAMOUNT_ASOE	NUMBER(18,8)		The Recovery dollar amount for the Participant for the NMAS Contract Id calculated using the ASOE_MWh values for eligible services. NULL Value for Settlement Dates prior to the IESS rule effective date.

25.28 Table: SET_NMAS_RECOVERY_RBF

25.28.1 SET_NMAS_RECOVERY_RBF

Name SET_NMAS_RECOVERY_RBF

Comment SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

25.28.2 Notes

Name Comment Value

Visibility	Public

25.28.3 Primary Key Columns

Name

CONTRACTID

PAYMENTTYPE

PERIODID

REGIONID

SERVICE

SETTLEMENTDATE

VERSIONNO

25.28.4 Index Columns

Name

LASTCHANGED

25.28.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement run number
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
SERVICE	VARCHAR2(20)	X	The type of NSCAS service incl ISF Services. Current value values are: - REACTIVE - LOADSHED - RESTART - INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2

CONTRACTID	VARCHAR2(20)	X	The NMAS/ISF Contract Id
PAYMENTTYPE	VARCHAR(20)	X	The type of payment being recovered. Valid values are: - AVAILABILITY - ENABLEMENT - COMPENSATION
REGIONID	VARCHAR(10)	X	The region from where the amount is recovered
RBF	NUMBER(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	NUMBER(18,8)		The total Payment Amount to recover from all benefitting regions
RECOVERY_AMOUNT	NUMBER(18,8)		The Total recovery amount for the period for the REGIONID
LASTCHANGED	DATE		The Last Updated date and time

25.29 Table: SET_RECOVERY_ENERGY

25.29.1 SET_RECOVERY_ENERGY

Name SET_RECOVERY_ENERGY

Comment Settlements substitution recovery energy used

25.29.2 Notes

Name	Comment	Value
Visibility		Private

25.29.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

SETTLEMENTRUNNO

25.29.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
PARTICIPANTID	VARCHAR2(20)	X	Unique identifier for the participant
REGIONID	VARCHAR2(20)	X	Unique Identifier for the Region to which the TNI belongs on this settlement date
PERIODID	NUMBER(3,0)	X	Trading interval identifier, with Period 1 being the first TI for the calendar day, i.e interval ending 00:05 for 5MS or 00:30 for 30MS.
CUSTOMERENERGYACTUAL	NUMBER(18,8)		Actual Customer Demand. NULL for Settlement dates post the IESS rule effective date.
CUSTOMERENERGYMPFEXACTUAL	NUMBER(18,8)		Actual Customer Demand excluding TNIs that have a causer pays MPF. NULL for Settlement dates post the IESS rule effective date.
CUSTOMERENERGYSUBSTITUTE	NUMBER(18,8)		Substitute Customer Demand. NULL for Settlement dates post the IESS rule effective date.
CUSTOMERENERGYMPFEXSUBSTITUTE	NUMBER(18,8)		Substitute Customer Demand excluding TNIs that have a causer pays MPF. NULL for Settlement dates post the IESS rule effective date.
GENERATORENERGYACTUAL	NUMBER(18,8)		Actual Generator Output. NULL for Settlement dates post the IESS rule effective date.
REGIONCUSTENERGYACTUAL	NUMBER(18,8)		Region Total of Actual Customer Demand. NULL for Settlement dates post the IESS rule effective date.
REGIONCUSTENERGYMPFEXACTUAL	NUMBER(18,8)		Region Total of Actual Customer Demand excluding TNIs that have a causer pays MPF. NULL for Settlement dates post the IESS rule effective date.

REGIONCUSTENERGYSUBST	NUMBER(18,8)		Region Total of Substitute Customer Demand. NULL for Settlement dates post the IESS rule effective date.
REGIONCUSTENERGYMPFEXSUBST	NUMBER(18,8)		Region total of Substitute Customer Demand excluding TNIs that have a causer pays MPF. NULL for Settlement dates post the IESS rule effective date.
REGIONGENENERGYACTUAL	NUMBER(18,8)		Region Total of Actual Generator Output. NULL for Settlement dates post the IESS rule effective date.
ACE_MWH_ACTUAL	NUMBER(18,8)		Actual ACE MWh Value for the Recovery Calculation. NULL Value for Settlement date prior to the IESS rule effective date
ACE_MWH_MPFEX_ACTUAL	NUMBER(18,8)		The Actual ACE MWh Value excluding the MPF Connection Points for the Recovery Calculation. This is used only in FCAS Residue Recovery Calculation. NULL Value for Settlement date prior to the IESS rule effective date.
ACE_MWH_SUBSTITUTE	NUMBER(18,8)		The Substitute ACE MWh Value for the Recovery Calculation. There is no substitute demand post IESS Rule Change. Hence this column will have same value as ACE_MWh_Actual. NULL Value for Settlement date prior to the IESS rule effective date.
ACE_MWH_MPFEX_SUBSTITUTE	NUMBER(18,8)		The Substitute ACE MWh Value excluding the MPF Connection Points for the Recovery Calculation. This is used only in FCAS Residue Recovery Calculation. There is no substitute demand post IESS Rule Change. Hence this column will have same value as ACE_MWh_MPFExActual. NULL Value for Settlement date prior to the IESS rule effective date.
ASOE_MWH_ACTUAL	NUMBER(18,8)		The Actual ASOE MWh Value for the Recovery Calculation. NULL Value for Settlement date prior to the IESS rule effective date.
REGION_ACE_MWH_ACTUAL	NUMBER(18,8)		The Region total of Actual ACE MWh Value. NULL Value for Settlement date prior to the IESS rule effective date.
REGION_ACE_MWH_MPFEX_ACTUAL	NUMBER(18,8)		The Region total of Actual ACE MWh Value excluding the MPF Connection Points. NULL Value for Settlement date prior to the IESS rule

			effective date.
REGION_ACE_MWH_SUBST	NUMBER(18,8)		The Region total of Substitute ACE MWh Value. NULL Value for Settlement date prior to the IESS rule effective date.
REGION_ACE_MWH_MPFEX_SUBST	NUMBER(18,8)		The Region total of Substitute ACE MWh Value excluding the MPF Connection Points . NULL Value for Settlement date prior to the IESS rule effective date.
REGION_ASOE_MWH_ACTUAL	NUMBER(18,8)		The Region total of Actual ASOE MWh Value. NULL Value for Settlement date prior to the IESS rule effective date.

25.30 Table: SET_SUBST_RUN_VERSION

25.30.1 SET_SUBST_RUN_VERSION

Name	SET_SUBST_RUN_VERSION
Comment	Settlements substitution demand run version numbers

25.30.2 Notes

Name	Comment	Value
Visibility		Public

25.30.3 Primary Key Columns

Name

REFERENCESETTLEMENTDATE

REFERENCESETTLEMENTRUNNO

SETTLEMENTDATE

SETTLEMENTRUNNO

25.30.4 Content

Name	Data Type	Mandato	Comment

		ry	
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
REFERENCESETTLEMENTDATE	DATE	X	The settlement date of a settlement run included in the reference period
REFERENCESETTLEMENTRUNNO	NUMBER(3,0)	X	The settlement run number matching the settlement date for a settlement run included in the reference period

25.31 Table: SET_SUBSTITUTE_DEMAND

25.31.1 SET_SUBSTITUTE_DEMAND

Name SET_SUBSTITUTE_DEMAND

Comment Settlements substitution demand for Zero Demand figures

25.31.2 Notes

Name	Comment	Value
Visibility		Private

25.31.3 Primary Key Columns

Name

PARTICIPANTID

SETTLEMENTDATE

SETTLEMENTRUNNO

TNI

25.31.4 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
TNI	VARCHAR2(20)	X	Unique identifier for the connection point
PARTICIPANTID	VARCHAR2(20)	X	Unique identifier for the participant
REGIONID	VARCHAR2(20)		Unique identifier for the region to which the TNI belongs to on this settlement date
SUBSTITUTEDEMAND	NUMBER(18,8)		Substitute metered quantity for non-energy recovery in MWh for the TNI and participant in the trading interval. A negative value indicates net consumption and a positive value indicates net generation

25.32 Table: SET_WDR_RECON_DETAIL

25.32.1 SET_WDR_RECON_DETAIL

Name SET_WDR_RECON_DETAIL

Comment Settlements WDR reconciliation details

25.32.2 Notes

Name	Comment	Value
Visibility		Private

25.32.3 Primary Key Columns

Name

NMI

PERIODID

SETTLEMENTDATE

SETTLEMENTRUNNO

25.32.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
NMI	VARCHAR2(20)	X	Unique identifier for the meter to which the metering records applies
TNI	VARCHAR2(20)		Unique identifier for the transmission node to which this meter belongs on the settlement date
REGIONID	VARCHAR2(20)		Unique identifier for the region to which the TNI belongs on the settlement date
FRMP	VARCHAR2(20)		Unique identifier for the participant acting as the FRMP for this NMI on the settlement date
DRSP	VARCHAR2(20)		Unique identifier for the participant acting as the DRSP for this NMI on the settlement date
PERIODID	NUMBER(3,0)	X	Trading interval identifier with Period 1 being the first TI for the calendar day, that is the interval ending 00:05
WDRSQ_UNCAPPED	NUMBER(18,8)		WDR settlement quantity before any capping or flooring (MWh)
WDRSQ_CAPPED	NUMBER(18,8)		WDR settlement quantity after capping or flooring (MWh)
MRC	NUMBER(18,8)		Maximum responsive component for the NMI (MW)
MRCSQ	NUMBER(18,8)		Maximum responsive component settlement quantity for the NMI (MWh)
WDRRR	NUMBER(18,8)		WDR reimbursement rate for the region ($/MWh)
RRP	NUMBER(18,8)		Regional reference price for the region in the settlement interval ($/MWh)
TLF	NUMBER(18,8)		Transmission loss factor for the wholesale connection point associated with the NMI
ME_DLFADJUSTED	NUMBER(18,8)		Metered quantity in MWh for the NMI trading interval. A negative value indicates net consumption and a positive value indicates net

			generation
BQ_DLFADJUSTED	NUMBER(18,8)		Baseline quantity in MWh for the NMI in the trading interval. A negative quantity indicates net consumption, while a positive value indicates net generation
ISNONCOMPLIANT	NUMBER(1,0)		A value of TRUE (indicated by 1) for this column indicates that financial settlement of WDR transactions for this NMI should not proceed for the settlement date and trading interval. Possible values are 1 and 0.
QUALITYFLAG	VARCHAR2(20)		Quality flag for the meter read. Where multiple datastreams exist against the NMI with different quality flags for each read, the lowest quality flag will be published against the NMI for the interval
TRANSACTIONAMOUNT	NUMBER(18,8)		WDR transaction amount for this NMI in the settlement interval ($)
BASELINECALCULATIONID	VARCHAR2(100)		A reference to the baseline run that produced the baseline quantity for this NMI and interval

25.33 Table: SET_WDR_TRANSACT

25.33.1 SET_WDR_TRANSACT

Name	SET_WDR_TRANSACT
Comment	Settlements WDR transactions summary

25.33.2 Notes

Name	Comment	Value
Visibility		Private

25.33.3 Primary Key Columns

Name
COUNTERPARTYPARTICIPANTID
PARTICIPANTID

PARTICIPANTROLEID

PERIODID

REGIONID

SETTLEMENTDATE

SETTLEMENTRUNNO

25.33.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
PERIODID	NUMBER(3,0)	X	Trading interval identifier with Period 1 being the first TI for the calendar day, that is the interval ending 00:05
REGIONID	VARCHAR2(20)	X	Unique identifier for the region to which the TNI belongs on the settlement date
PARTICIPANTID	VARCHAR2(20)	X	Unique identifier for a participant
PARTICIPANTROLEID	VARCHAR2(20)	X	Participant role identifier - FRMP or DRSP
COUNTERPARTYPARTICIPANTID	VARCHAR2(20)	X	Unique identifier for the counter participant id.
TRANSACTIONAMOUNT	NUMBER(18,8)		Aggregate WDR transaction amount for the participant and counterparty in the settlement interval

25.34 Table: SETFCASREGIONRECOVERY

25.34.1 SETFCASREGIONRECOVERY

Name SETFCASREGIONRECOVERY

Comment The FCAS Recovery amount from each NEM Region and the Energy MWh used for the FCAS Recovery calculation from Participants

25.34.2 Description

SETFCASREGIONRECOVERY contains public data and is available to all participants.

Source

SETFCASREGIONRECOVERY updates with each settlements run.

Volume

Approximately 10,000 rows per day

25.34.3 Notes

Name	Comment	Value
Visibility		Public

25.34.4 Primary Key Columns

Name
BIDTYPE
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.34.5 Index Columns

Name
LASTCHANGED

25.34.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date of trading interval
VERSIONNO	NUMBER(3,0)	X	Settlement run no

BIDTYPE	VARCHAR2(10)	X	FCAS Service Type
REGIONID	VARCHAR2(10)	X	RegionID
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
GENERATORREGIONENERGY	NUMBER(16,6)		Generator Regional Energy Amount. NULL for Settlement dates post the IESS rule effective date
CUSTOMERREGIONENERGY	NUMBER(16,6)		Customer Region Energy Amount. NULL for Settlement dates post the IESS rule effective date
REGIONRECOVERY	NUMBER(18,8)		The NEM Regional Recovery Amount for FCAS
LASTCHANGED	DATE		Last Date record changed
REGION_ACE_MWH	NUMBER(18,8)		The Regional ACE MWh value used for the FCAS Recovery. NULL for Settlement dates prior to the IESS rule effective date
REGION_ASOE_MWH	NUMBER(18,8)		The Regional ASOE MWh value used for the FCAS Recovery. NULL for Settlement dates prior to the IESS rule effective date
REGIONRECOVERYAMOUNT_ACE	NUMBER(18,8)		The Total Dollar Amount for the Region recovered using the ACE MWh Values. NULL for Settlement dates prior to the IESS rule effective date
REGIONRECOVERYAMOUNT_ASOE	NUMBER(18,8)		The Total Dollar Amount for the Region recovered using the ASOE MWh Values. NULL for Settlement dates prior to the IESS rule effective date
REGIONRECOVERYAMOUNT	NUMBER(18,8)		The Total Dollar Amount for the Region (RegionRecoveryAmountACE + RegionRecoveryAmountASOE). NULL for Settlement dates prior to the IESS rule effective date

25.35 Table: SETINTRAREGIONRESIDUES

25.35.1 SETINTRAREGIONRESIDUES

Name SETINTRAREGIONRESIDUES

Comment The Settlement Intra Region Residues Result.

25.35.2 Description

SETINTRAREGIONRESIDUES data is public to all participants.

Source

SETINTRAREGIONRESIDUES updates with each settlement run.

Note

The relationship between the data columns for each key is expressed in the following formula:
EP + EC + (EXP * RRP) = IRSS

25.35.3 Notes

Name	Comment	Value
Visibility		Public

25.35.4 Primary Key Columns

Name
PERIODID
REGIONID
RUNNO
SETTLEMENTDATE

25.35.5 Index Columns

Name
LASTCHANGED

25.35.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
RUNNO	NUMBER(3)	X	Settlement run number
PERIODID	NUMBER(3)	X	Settlements Trading Interval.

REGIONID	VARCHAR2(10)	X	Region Identifier
EP	NUMBER(15,5)		Energy payments to generators. NULL for Settlement dates post the IESS rule effective date
EC	NUMBER(15,5)		Energy purchased by customers. NULL for Settlement dates post the IESS rule effective date
RRP	NUMBER(15,5)		Regional price
EXP	NUMBER(15,5)		Net import in MWh into the region calculated at the regional reference node (export is negative)
IRSS	NUMBER(15,5)		Intra-regional surplus (a negative sign indicates surplus, and a positive sign indicates a deficiency)
LASTCHANGED	DATE		Last date and time record changed
ACE_AMOUNT	NUMBER(18,8)		The Adjusted Consumed Energy Dollar Amount for the Region used in the calculation of IRSS (Intra Residue Amount). NULL for Settlement dates prior to the IESS rule effective date
ASOE_AMOUNT	NUMBER(18,8)		The Adjusted Sent Out Energy Dollar Amount for the Region used in the calculation of IRSS (Intra Residue Amount). NULL for Settlement dates prior to the IESS rule effective date

25.36 Table: SETIRAUCSURPLUS

25.36.1 SETIRAUCSURPLUS

Name	SETIRAUCSURPLUS
Comment	This view supports the Settlements Residue Auction, by holding the NSP participant allocations of IRSurplus arising as a result of the unsold units for a quarter.

25.36.2 Description

SETIRAUCSURPLUS data is confidential to the relevant participant.

Source

SETIRAUCSURPLUS updates with each settlement run.

Volume

SETIRAUCSURPLUS contains a maximum of 10 million records per year.

25.36.3 Notes

Name	Comment	Value
Visibility		Private

25.36.4 Primary Key Columns

Name
CONTRACTID
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
SETTLEMENTRUNNO

25.36.5 Index Columns

Name
LASTCHANGED

25.36.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
CONTRACTID	VARCHAR2(10)	X	SRA Contract unique identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.

PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
INTERCONNECTORID	VARCHAR2(10)	X	Contracted Interconnector identifier
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
TOTALSURPLUS	NUMBER(15,5)		Total value of surplus before allocation
CONTRACTALLOCATION	NUMBER(8,5)		Percentage allocated to participant
SURPLUSVALUE	NUMBER(15,5)		Amount NSP is paid for Inter/intra-Regional surplus energy produced
LASTCHANGED	DATE		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP

25.37 Table: SETIRNSPSURPLUS

25.37.1 SETIRNSPSURPLUS

Name	SETIRNSPSURPLUS
Comment	This view supports the Settlements Residue Auction, by showing the TNSP participant allocations of Interconnector Residue (IR) Surplus (i.e. derogated amounts) arising as a result of the sold units for a quarter.

25.37.2 Description

SETIRNSPSURPLUS data is confidential to the relevant participant.

Source

SETIRNSPSURPLUS updates with each settlement run.

Volume

SETIRNSPSURPLUS contains a maximum of 10 million records per year.

25.37.3 Notes

Name	Comment	Value
Visibility		Private

25.37.4 Primary Key Columns

Name

CONTRACTID

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

SETTLEMENTRUNNO

25.37.5 Index Columns

Name

LASTCHANGED

25.37.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
CONTRACTID	VARCHAR2(10)	X	SRA Contract unique identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR2(10)	X	Participant unique identifier
INTERCONNECTORID	VARCHAR2(10)	X	Identifier of Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
TOTALSURPLUS	NUMBER(15,5)		Total value of surplus
CONTRACTALLOCATION	NUMBER(8,5)		Percentage of total surplus allocated to

			participant
SURPLUSVALUE	NUMBER(15,5)		Amount NSP is paid for Inter/intra-Regional surplus energy produced by the participant
LASTCHANGED	DATE		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP

25.38 Table: SETIRPARTSURPLUS

25.38.1 SETIRPARTSURPLUS

Name	SETIRPARTSURPLUS
Comment	This view supports the Settlements Residue Auction, holding the participant allocations of IRSurplus.

25.38.2 Description

SETIRPARTSURPLUS data is confidential to each participant.

Source

SETIRPARTSURPLUS updates with each settlement run.

Volume

SETIRPARTSURPLUS contains a maximum of 20 million records per year.

25.38.3 Notes

Name	Comment	Value
Visibility		Private

25.38.4 Primary Key Columns

Name
CONTRACTID
FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

SETTLEMENTRUNNO

25.38.5 Index Columns

Name

LASTCHANGED

25.38.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
CONTRACTID	VARCHAR2(10)	X	Ancillary Service Contract
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR2(10)	X	Participant unique identifier
INTERCONNECTORID	VARCHAR2(10)	X	Identifier of the Contracted Interconnector
FROMREGIONID	VARCHAR2(10)	X	Nominated source region for Interconnector
TOTALSURPLUS	NUMBER(15,5)		Total value of surplus before allocation
CONTRACTALLOCATION	NUMBER(8,5)		Allocated percentage to participant
SURPLUSVALUE	NUMBER(15,5)		Amount NSP is paid for Inter/intra-Regional surplus energy produced
LASTCHANGED	DATE		Date and time this record was last updated
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP

25.39 Table: SETIRSURPLUS

25.39.1 SETIRSURPLUS

Name	SETIRSURPLUS
Comment	SETIRSURPLUS records the interregional residue calculation for each interconnector and each side of the interconnector.

25.39.2 Description

SETIRSURPLUS data is public, so is available to all participants.

Source

SETIRSURPLUS updates once a day at 8am.

Note

MWFLOW and LOSSFACTOR are now both calculated as MWh (energy) values for the half hour, and not MW (average demand) values. By way of clarification, the MWFLOW value is derived from half-hour revenue class metering, adjusted by a fixed fraction of the LOSSFACTOR value. The LOSSFACTOR value is taken to be exactly half of the MWLOSSES value in the TRADINGINTERCONNECT table.

The METEREDMWFLOW field in the TRADINGINTERCONNECT table contains averaged SCADA metering demand values available in “real time”, whereas the MWFLOW field in the SETIRSURPLUS table contains settlement energy metering values available only after a settlement run is posted.

25.39.3 Notes

Name	Comment	Value
Visibility		Public

25.39.4 Primary Key Columns

Name
INTERCONNECTORID
PERIODID
REGIONID
SETTLEMENTDATE

SETTLEMENTRUNNO

25.39.5 Index Columns

Name

LASTCHANGED

25.39.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector
REGIONID	VARCHAR2(10)	X	Side of interconnector
MWFLOW	NUMBER(15,6)		Net flow at the regional node (MWh), including losses
LOSSFACTOR	NUMBER(15,5)		MW losses along interconnector NOTE: This is not a loss factor, but a loss figure expressed in MWH
SURPLUSVALUE	NUMBER(15,5)		Amount of surplus in $
LASTCHANGED	DATE		Last date and time record changed
CSP_DEROGATION_AMOUNT	NUMBER(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	NUMBER(18,8)		The SRA amount unadjusted by CSP

25.40 Table: SETLOCALAREAENERGY

25.40.1 SETLOCALAREAENERGY

Name SETLOCALAREAENERGY

Comment	SETLOCALAREAENERGY shows the UFE, AGE and associated values for each local area and trading interval in a settlement run.

25.40.2 Notes

Name	Comment	Value
Visibility		Public

25.40.3 Primary Key Columns

Name

LOCALAREAID

PERIODID

SETTLEMENTDATE

SETTLEMENTRUNNO

25.40.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date of the settlement run
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number of the settlement run
LOCALAREAID	VARCHAR2(30)	X	Unique identifier for the local area
PERIODID	NUMBER(3,0)	X	Settlement Trading Interval
UFE	NUMBER(18,8)		Total unaccounted-for energy for the local area in this trading interval, in MWh
DDME	NUMBER(18,8)		DDME component of UFE for the local area in this trading interval, in MWh.
TME	NUMBER(18,8)		TME component of UFE for the local area in this trading interval, in MWh.
ADME	NUMBER(18,8)		ADME component of UFE for the local area in this trading interval, in MWh.

ADMELA	NUMBER(18,8)		The sum of all DME amounts for each Market Customer FRMP and TNI in the local area, in this trading interval.
LASTCHANGED	DATE		Last changed date time for the record

25.41 Table: SETLOCALAREATNI

25.41.1 SETLOCALAREATNI

Name SETLOCALAREATNI

Comment SETLOCALAREATNI shows the list of TNIs constituent to a local area in a settlement run.

25.41.2 Notes

Name	Comment	Value
Visibility		Public

25.41.3 Primary Key Columns

Name

LOCALAREAID

SETTLEMENTDATE

SETTLEMENTRUNNO

TNI

25.41.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date of the settlement run
SETTLEMENTRUNNO	NUMBER(3,0)	X	Settlement run number of the settlement run
LOCALAREAID	VARCHAR2(30)	X	Unique identifier for the local area

TNI	VARCHAR2(30)	X	Unique identifier for a TNI constituent to the local area as at the settlement run
LASTCHANGED	DATE		Last changed date time for the record

25.42 Table: SETLSHEDPAYMENT

25.42.1 SETLSHEDPAYMENT

Name	SETLSHEDPAYMENT
Comment	SETLSHEDPAYMENT shows specific payment details for load shed services by period. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

25.42.2 Description

SETLSHEDPAYMENT data is confidential to the relevant participant.

Source

SETLSHEDPAYMENT updates with each settlement run.

25.42.3 Notes

Name	Comment	Value
Visibility		Private

25.42.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

25.42.5 Index Columns

Name

LASTCHANGED

25.42.6 Index Columns

Name

PARTICIPANTID

25.42.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
CONTRACTID	VARCHAR2(10)	X	AS Contract Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
DUID	VARCHAR2(10)		Dispatchable Unit Identifier
REGIONID	VARCHAR2(10)		Region Identifier
TLF	NUMBER(7,5)		Transmission Loss Factor
RRP	NUMBER(15,5)		Regional Reference Price
LSEPRICE	NUMBER(15,5)		Load Shed Enabling Price
MCPPRICE	NUMBER(15,5)		Minimum Compensation Price
LSCR	NUMBER(4,0)		Load Shed Control Range
LSEPAYMENT	NUMBER(15,5)		Load Shed Enabling Payment
CCPAYMENT	NUMBER(15,5)		Compensation Payment
CONSTRAINEDMW	NUMBER(15,5)		Cleared MW of unit at time of load shed usage
UNCONSTRAINEDMW	NUMBER(15,5)		Unconstrained MW of unit at time of load shed

			usage
ALS	NUMBER(15,5)		Amount of load shed
INITIALDEMAND	NUMBER(15,5)		Initial demand of unit at time of load shed usage
FINALDEMAND	NUMBER(15,5)		Final demand of unit at time of load shed usage
CONTRACTVERSIONNO	NUMBER(3,0)		AS Contract Version No.
OFFERDATE	DATE		Re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		Re-Offer Version No.
LASTCHANGED	DATE		Last date and time record changed
AVAILABILITYPAYMENT	NUMBER(16,6)		Payment amount for the Load Shed Availability service

25.43 Table: SETLSHEDRECOVERY

25.43.1 SETLSHEDRECOVERY

Name	SETLSHEDRECOVERY
Comment	SETLSHEDRECOVERY shows reimbursements for Load shed Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012)

25.43.2 Description

SETLSHEDRECOVERY data is confidential to the relevant participant.

Source

SETLSHEDRECOVERY updates with each settlement run.

Note

Only the payment fields (LSEPAYMENT and CCPAYMENT) are on a regional basis. All other demand and recovery fields are on NEM basis rather than a regional basis.

25.43.3 Notes

Name	Comment	Value
Visibility		Private

25.43.4 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

25.43.5 Index Columns

Name

LASTCHANGED

25.43.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		Contract Identifier for reserve, intervention, settlement and ancillary service contracts. Contracts are coded by type and unit.
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
LSEPAYMENT	NUMBER(15,5)		Load Shed Enabling Payment
CCPAYMENT	NUMBER(15,5)		Compensation Payment
PARTICIPANTDEMAND	NUMBER(15,5)		Total Participant NEM Demand
REGIONDEMAND	NUMBER(15,5)		Total NEM Demand

LSERECOVERY	NUMBER(15,5)		Load Shed Enabling Recovery
CCRECOVERY	NUMBER(15,5)		Compensation Recovery
LASTCHANGED	DATE		Last date and time record changed
LSERECOVERY_GEN	NUMBER(15,5)		Load Shed Enabling Recovery for Generator
CCRECOVERY_GEN	NUMBER(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Total Participant NEM Demand for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total NEM Demand for Generator
AVAILABILITYRECOVERY	NUMBER(16,6)		Recovery amount for the Load Shed Availability service attributable to customer connection points
AVAILABILITYRECOVERY_GEN	NUMBER(16,6)		Recovery amount for the Load Shed Availability service attributable to generator connection points

25.44 Table: SETMARKETFEES

25.44.1 SETMARKETFEES

Name	SETMARKETFEES
Comment	SETMARKETFEES shows payments for market fees for each settlement date.

25.44.2 Description

SETMARKETFEES is confidential data.

Source

SETMARKETFEES updates with each settlement run.

25.44.3 Notes

Name	Comment	Value
Visibility		Private

25.44.4 Primary Key Columns

Name

MARKETFEEID

PARTICIPANTCATEGORYID

PARTICIPANTID

PERIODID

RUNNO

SETTLEMENTDATE

25.44.5 Index Columns

Name

LASTCHANGED

25.44.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
RUNNO	NUMBER(3,0)	X	Settlement run no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
MARKETFEEID	VARCHAR2(10)	X	Market fee identifier (e.g. V_EST)
MARKETFEEVALUE	NUMBER(15,5)		Fee charge
ENERGY	NUMBER(16,6)		Energy amount for variable fees
LASTCHANGED	DATE		Last date and time record changed
PARTICIPANTCATEGORYID	VARCHAR2(10)	X	The participant category that the market fee recovery pertains to. Corresponds to the PARTICIPANTCATEGORYID column of the PARTICIPANT_BANDFEE_CATEGORYALLOC_C_V view for BAND$ type fees, or to the MARKETFEETYPE column of the

			MARKETFEE_P_V view for all other fee types.
FEERATE	NUMBER(18,8)		The rate applied to this fee for the participant at the settlement date
FEEUNITS	NUMBER(18,8)		The number of units applicable to this fee for the participant, in the trading interval.
METER_TYPE	VARCHAR2(20)		The Energy Type for the Market Fees Calculation. E.g of Meter Types are CUSTOMER, GENERATOR, NREG, BDU etc. If Meter Type is mentioned as ALL then all the Meter Types for that Participant Category will be used in the Fee calculation
METER_SUBTYPE	VARCHAR2(20)		The Meter Sub Type values are ACE, ASOE or ALL. ACE represent ACE_MWH value or ASOE represent ASOE_MWH value and ALL represent sum of ACE_MWh and ASOE_MWh

25.45 Table: SETREALLOCATIONS

25.45.1 SETREALLOCATIONS

Name	SETREALLOCATIONS
Comment	SETREALLOCATIONS shows the trading interval value of reallocations processed, for those participants whose reallocation submissions have been accepted by AEMO.

25.45.2 Description

SETREALLOCATIONS data is confidential to participants party to the reallocation.

Source

SETREALLOCATIONS updates by the posting of a billing run.

Volume

Generally, there are approximately 550 records inserted per week.

25.45.3 Notes

Name	Comment	Value
Visibility		Private

25.45.4 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REALLOCATIONID

RUNNO

SETTLEMENTDATE

25.45.5 Index Columns

Name

LASTCHANGED

25.45.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
RUNNO	NUMBER(3,0)	X	Settlement run no
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
REALLOCATIONID	VARCHAR2(20)	X	Reallocation contract identifier
REALLOCATIONVALUE	NUMBER(15,5)		Reallocation value in $
ENERGY	NUMBER(15,5)		Energy in MWh if reallocation agreement type is MWh
RRP	NUMBER(15,5)		Regional Reference Price
LASTCHANGED	DATE		Last date and time record changed

25.46 Table: SETRESERVERECOVERY

25.46.1 SETRESERVERECOVERY

Name	SETRESERVERECOVERY
Comment	SETRESERVERECOVERY shows reserve recovery details.

25.46.2 Description

SETRESERVERECOVERY is unused.

Source

Unused; was updated when reserve recovery occurred in a billing run.

25.46.3 Notes

Name	Comment	Value
Visibility		Private

25.46.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

25.46.5 Index Columns

Name
LASTCHANGED

25.46.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
CONTRACTID	VARCHAR2(10)	X	
RCF	CHAR(1)		Regional Recovery Flag
SPOTPAYMENT	NUMBER(12,5)		Cap difference for generator
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PARTICIPANTDEMAND	NUMBER(12,5)		Demand of Participant in Region/Market
TOTALDEMAND	NUMBER(12,5)		Total Demand of Region/Market
RESERVEPAYMENT	NUMBER(12,5)		Payment made to generator for Reserve Trader Contract
RESERVEAMOUNT	NUMBER(12,5)		Payment owed by Retailer to pool for Reserve Trader Contract
LASTCHANGED	DATE		Last date and time record changed
REGIONID	VARCHAR2(10)		Region Identifier

25.47 Table: SETRESTARTPAYMENT

25.47.1 SETRESTARTPAYMENT

Name	SETRESTARTPAYMENT
Comment	SETRESTARTPAYMENT shows specific payment details for System Restart services by period.

25.47.2 Description

SETRESTARTPAYMENT data is confidential to the relevant participant.

Source

SETRESTARTPAYMENT updates with each settlement run.

25.47.3 Notes

Name	Comment	Value
Visibility		Private

25.47.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

25.47.5 Index Columns

Name
LASTCHANGED

25.47.6 Index Columns

Name
PARTICIPANTID

25.47.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier

CONTRACTID	VARCHAR2(10)	X	Contract Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(10)		Region Identifier
RESTARTTYPE	NUMBER(1,0)		System Restart Type (0 = FRC, 1 = GRC, 2 = TTH)
AVAFLAG	NUMBER(1,0)		Availability Flag
AVAILABILITYPRICE	NUMBER(15,5)		Availability Price
TCF	NUMBER(1,0)		Service Test Flag
AVAILABILITYPAYMENT	NUMBER(15,5)		Availability Payment
CONTRACTVERSIONNO	NUMBER(3,0)		Contract Version No.
OFFERDATE	DATE		Re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		Re-Offer Version No.
LASTCHANGED	DATE		Last date and time record changed
ENABLINGPAYMENT	NUMBER(18,8)		The enabling payment made for system restart in this half-hour interval

25.48 Table: SETRESTARTRECOVERY

25.48.1 SETRESTARTRECOVERY

Name SETRESTARTRECOVERY

Comment SETRESTARTRECOVERY shows reimbursements for system restart Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012)

25.48.2 Description

SETRESTARTRECOVERY data is confidential to the relevant participant.

Source

SETRESTARTRECOVERY updates with each settlement run.

25.48.3 Notes

Name	Comment	Value
Visibility		Private

25.48.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.48.5 Index Columns

Name
LASTCHANGED

25.48.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		Contract Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
AVAILABILITYPAYMENT	NUMBER(15,5)		Availability Payment
PARTICIPANTDEMAND	NUMBER(15,5)		Participant Demand in Region

REGIONDEMAND	NUMBER(15,5)		NEM Demand (NB sum of ALL Regions)
AVAILABILITYRECOVERY	NUMBER(15,5)		Availability Recovery
LASTCHANGED	DATE		Last date and time record changed
AVAILABILITYRECOVERY_GEN	NUMBER(15,5)		Availability Recovery for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Sum of all generation including SGA generation across all regions of the NEM and floored to zero
ENABLINGPAYMENT	NUMBER(18,8)		The enabling payment made for system restart in this half-hour interval
ENABLINGRECOVERY	NUMBER(18,8)		The enabling recovery amount for system restart in this half-hour interval attributable to customer activity
ENABLINGRECOVERY_GEN	NUMBER(18,8)		The enabling recovery amount for system restart in this half-hour interval attributable to generator activity

25.49 Table: SETRPOWERPAYMENT

25.49.1 SETRPOWERPAYMENT

Name	SETRPOWERPAYMENT
Comment	SETRPOWERPAYMENT shows specific payment details for Reactive power services by period. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

25.49.2 Description

SETRPOWERPAYMENT data is confidential to the relevant participant.

Source

SETRPOWERPAYMENT updates with each settlement run.

25.49.3 Notes

Name	Comment	Value

Visibility	Private

25.49.4 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

25.49.5 Index Columns

Name

LASTCHANGED

25.49.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
CONTRACTID	VARCHAR2(10)	X	AS Contract Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
DUID	VARCHAR2(10)		Dispatchable Unit Identifier
REGIONID	VARCHAR2(10)		Region Identifier
TLF	NUMBER(7,5)		Transmission Loss Factor
EBP	NUMBER(15,5)		Eligible Bid Price
RRP	NUMBER(15,5)		Regional Reference Price

MVARAPRICE	NUMBER(15,5)		Availability price per MVAr of RP absorption capability
MVAREPRICE	NUMBER(15,5)		Enabling Price
MVARGPRICE	NUMBER(15,5)		Availability price per MVAr of RP generation capability
CCPRICE	NUMBER(15,5)		Compensation Cap
SYNCCOMPENSATION	NUMBER(1,0)		Sync Compensation Flag
MTA	NUMBER(15,5)		Reactive Power Absorption Capability (MVAr)
MTG	NUMBER(15,5)		Reactive Power Generation Capability (MVAr)
BLOCKSIZE	NUMBER(4,0)		Block size of unit
AVAFLAG	NUMBER(1,0)		Availability Flag
CLEAREDMW	NUMBER(15,5)		Cleared MW of unit
UNCONSTRAINEDMW	NUMBER(15,5)		Unconstrained MW of unit
AVAILABILITYPAYMENT	NUMBER(15,5)		Availability Payment
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
CCPAYMENT	NUMBER(15,5)		Compensation Payment
CONTRACTVERSIONNO	NUMBER(3,0)		AS Contract Version No.
OFFERDATE	DATE		Re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		Re-Offer Version No.
LASTCHANGED	DATE		Last date and time record changed
AVAILABILITYPAYMENT_REBATE	NUMBER(18,8)		The rebate amount if MegaVar (MVAr) is below the threshold.

25.50 Table: SETRPOWERRECOVERY

25.50.1 SETRPOWERRECOVERY

Name SETRPOWERRECOVERY

Comment SETRPOWERRECOVERY shows reimbursements for Reactive Power Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012)

25.50.2 Description

SETRPOWERRECOVERY data is confidential to the relevant participant.

Source

SETRPOWERRECOVERY updates with each settlement run.

Note

Only the payment fields (AVAILABILITYPAYMENT, ENABLINGPAYMENT and CCPAYMENT) are on a regional basis. All other demand and recovery fields are on NEM basis rather than a regional basis.

25.50.3 Notes

Name	Comment	Value
Visibility		Private

25.50.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

25.50.5 Index Columns

Name
LASTCHANGED

25.50.6 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		AS Contract Identifier
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
AVAILABILITYPAYMENT	NUMBER(15,5)		Availability Payment
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
CCPAYMENT	NUMBER(15,5)		Compensation payment
PARTICIPANTDEMAND	NUMBER(15,5)		Total Participant NEM Demand
REGIONDEMAND	NUMBER(15,5)		Total NEM Demand
AVAILABILITYRECOVERY	NUMBER(15,5)		Availability Recovery
ENABLINGRECOVERY	NUMBER(15,5)		Enabling Recovery
CCRECOVERY	NUMBER(15,5)		Compensation Recovery
LASTCHANGED	DATE		Last date and time record changed
AVAILABILITYRECOVERY_GEN	NUMBER(15,5)		Availability Recovery for Generator
ENABLINGRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery for Generator
CCRECOVERY_GEN	NUMBER(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Total Participant NEM Demand for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total NEM Demand for Generator

26 Package: STPASA_SOLUTION

Name STPASA_SOLUTION

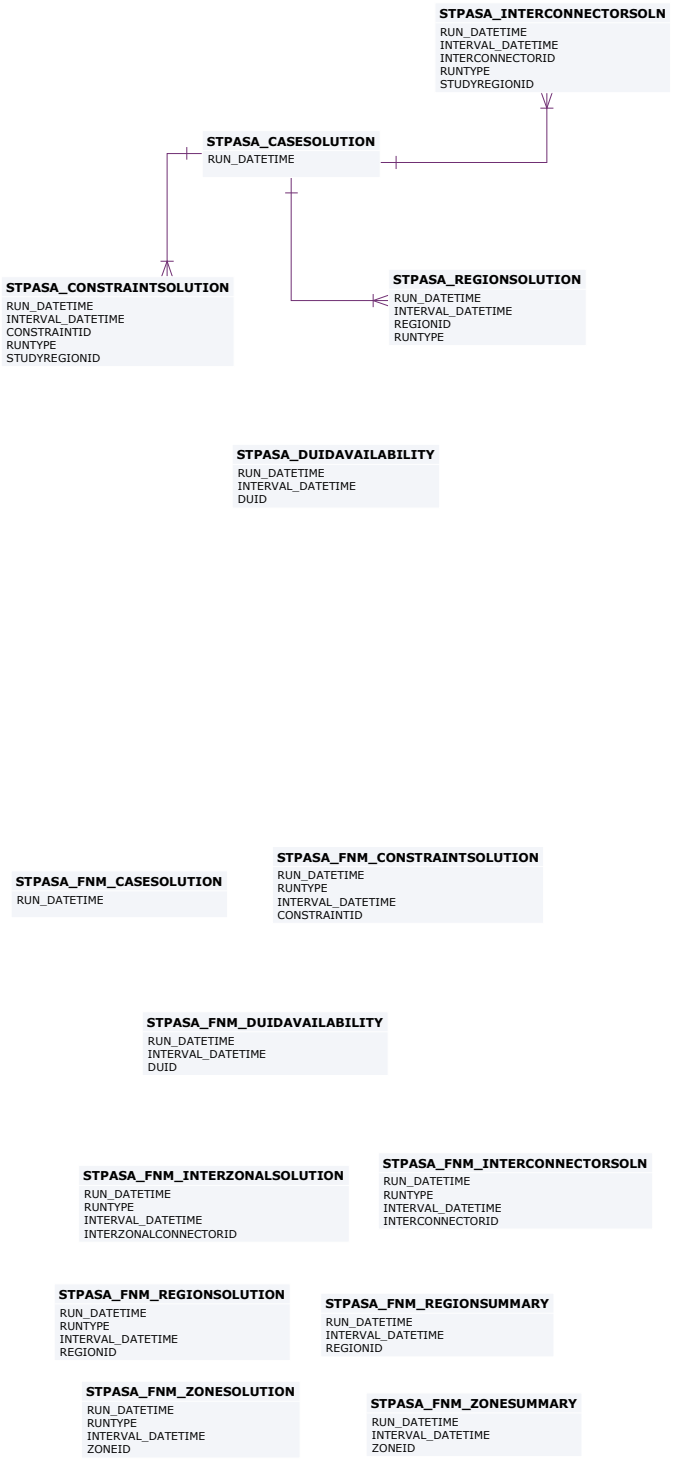
Comment Results from a published Short Term PASA Run

26.1 List of tables

Name	Comment	Visibility
STPASA_CASESOLUTION	STPASA_CASESOLUTION holds one record containing results pertaining to each entire solution	Public
STPASA_CONSTRAINTSOLUTION	STPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.	Public
STPASA_DUIDAVAILABILITY	This report delivers available capacity, PASA availability and given recall period for all scheduled resources. Note that for an MNSP, DUID = LINKID in the MNSP_INTERCONNECTOR table.	Public
STPASA_FNM_CASESOLUTION	STPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.	Public
STPASA_FNM_CONSTRAINTSOLUTION	STPASA_FNM_CONSTRAINTSOLUTION shows the manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.	Public
STPASA_FNM_DUIDAVAILABILITY	STPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and given Recall Period for all scheduled	Public
STPASA_FNM_INTERCONNECTORSOLN	STPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.	Public
STPASA_FNM_INTERZONALSOLUTION	STPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.	Public
STPASA_FNM_REGIONSOLUTION	STPASA_FNM_REGIONSOLUTION shows regional demand, cleared values of resources, spare capacity, losses for each run type and intervals.	Public
STPASA_FNM_REGIONSUMMARY	STPASA_FNM_REGIONSUMMARY shows the summary of STPASA outcome for each region.	Public

STPASA_FNM_ZONESOLUTION	STPASA_FNM_ZONESOLUTION shows zone demand, cleared value of resources, spare capacity, losses for each run type and interval.	Public
STPASA_FNM_ZONESUMMARY	STPASA_FNM_ZONESUMMARY shows the summary of STPASA outcome for each zone.	Public
STPASA_INTERCONNECTORSOLN	STPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.	Public
STPASA_REGIONSOLUTION	STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are no longer reported from 31 July 2025.	Public

26.2 Diagram: Entities: ST PASA Solution



26.3 Table: STPASA_CASESOLUTION

26.3.1 STPASA_CASESOLUTION

Name	STPASA_CASESOLUTION
Comment	STPASA_CASESOLUTION holds one record containing results pertaining to each entire solution

26.3.2 Description

STPASA_CASESOLUTION is public data.

Source

STPASA_CASESOLUTION is updated each STPASA run (i.e. every 2 hours).

Volume

Rows per day: 12

Mb per month: <1

26.3.3 Notes

Name	Comment	Value
Visibility		Public

26.3.4 Primary Key Columns

Name
RUN_DATETIME

26.3.5 Index Columns

Name
LASTCHANGED

26.3.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
PASAVERSION	VARCHAR2(10)		Version of the PASA solver used to solve this case
RESERVECONDITION	NUMBER(1,0)		Low Reserve Condition (LRC) flag for the case (1 - LRC in the case, 0 - No LRCs in the case) for capacity run
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LOR) flag for the case indicates the most severe condition in the case (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR)
CAPACITYOBJFUNCTION	NUMBER(12,3)		Objective Function from the Capacity Adequacy run
CAPACITYOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the demand forecast used for capacity adequacy assessment. 0 if no assessment, 1 for 10%, 2 for 50%, 3 for 90%
MAXSURPLUSRESERVEOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum surplus Reserve. 0 if no assessment, 1 for 10%, 2 for 50%, 3 for 90%
MAXSPARECAPACITYOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum Spare Capacity. 0 if no assessment, 1 for 10%, 2 for 50%, 3 for 90%
INTERCONNECTORFLOWPENALTY	NUMBER(12,3)		The penalty for non-zero interconnector flow
LASTCHANGED	DATE		Date and time the record was created or modified
RELIABILITYLRCDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for Reliability LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
OUTAGELRCDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for outage LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)

LORDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for LOR assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
RELIABILITYLRCCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in Reliability LRC run (either PASA or MARKET)
OUTAGELRCCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in Outage LRC run (either PASA or MARKET)
LORCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in LOR run (either PASA or MARKET)
LORUIGFOption	NUMBER(3,0)		UIGF POE forecast availability used for this option
ReliabilityLRCUIGFOption	NUMBER(3,0)		UIGF POE forecast availability used for this option
OutageLRCUIGFOption	NUMBER(3,0)		UIGF POE forecast availability used for this option

26.4 Table: STPASA_CONSTRAINTSOLUTION

26.4.1 STPASA_CONSTRAINTSOLUTION

Name	STPASA_CONSTRAINTSOLUTION
Comment	STPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.

26.4.2 Description

STPASA_CONSTRAINTSOLUTION is public data.

Source

STPASA_CONSTRAINTSOLUTION is updated each STPASA run (i.e. every 2 hours).

Volume

Rows per day: 19000 (est.)

Mb per month: 90

26.4.3 Notes

Name	Comment	Value
Visibility		Public

26.4.4 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE
STUDYREGIONID

26.4.5 Index Columns

Name
LASTCHANGED

26.4.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
CONSTRAINTID	VARCHAR2(20)	X	Constraint identifier (synonymous with GenConID)
CAPACITYRHS	NUMBER(12,2)		The RHS value in the capacity evaluation.
CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value, 0 if not binding
CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree for generic constraint; 0 if not violating

LASTCHANGED	DATE		Last changed date of this record
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. Note that the STPASA RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025, with only the LOR Run Type reported.
STUDYREGIONID	VARCHAR2(20)	X	Primary Region for LP Solve (or MARKET if none).

26.5 Table: STPASA_DUIDAVAILABILITY

26.5.1 STPASA_DUIDAVAILABILITY

Name STPASA_DUIDAVAILABILITY

Comment This report delivers available capacity, PASA availability and given recall period for all scheduled resources. Note that for an MNSP, DUID = LINKID in the MNSP_INTERCONNECTOR table.

26.5.2 Notes

Name	Comment	Value
Visibility		Public

26.5.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

26.5.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	STPASA run, identified by the nominal start

			time of the run.
INTERVAL_DATETIME	DATE	X	Half hour ended interval
DUID	VARCHAR2(20)	X	NEM Dispatchable Unit Identifier
GENERATION_MAX_AVAILABILITY	NUMBER(12,6)		Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP.
GENERATION_PASA_AVAILABILITY	NUMBER(12,0)		PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit.
GENERATION_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit.
LOAD_MAX_AVAILABILITY	NUMBER(12,6)		Available Capacity for a scheduled load or BDU(Load side).
LOAD_PASA_AVAILABILITY	NUMBER(12,0)		PASA Availability for a scheduled load or BDU(Load side).
LOAD_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled load or BDU(Load side).
LASTCHANGED	DATE		Report Creation Date Time.

26.6 Table: STPASA_FNM_CASESOLUTION

26.6.1 STPASA_FNM_CASESOLUTION

Name	STPASA_FNM_CASESOLUTION
Comment	STPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.

26.6.2 Notes

Name	Comment	Value
Visibility		Public

26.6.3 Primary Key Columns

Name

RUN_DATETIME

26.6.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
LORCONDITION	NUMBER(1,0)		LORCONDITION is only set if supply deficit exists in a Zone that contains the Regional Reference Node LORCONDITION indicates the most severe condition for the case: LORCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
DEFICITCONDITION	NUMBER(1,0)		DEFICITCONDITION is only set if supply deficit exists in a Zone that does NOT contain the Regional Reference Node DEFICITCONDITION indicates the most severe condition for the case: DEFICITCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
BASE_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
RELIABILITY_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
WARNING_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
PASAVERSION	VARCHAR2(30)		Version of the PASA solver used to solve this case
LASTCHANGED	DATE		Date time this record was created

26.7 Table: STPASA_FNM_CONSTRAINTSOLUTION

26.7.1 STPASA_FNM_CONSTRAINTSOLUTION

Name	STPASA_FNM_CONSTRAINTSOLUTION
Comment	STPASA_FNM_CONSTRAINTSOLUTION shows the manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.

26.7.2 Notes

Name	Comment	Value
Visibility		Public

26.7.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE

26.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
CONSTRAINTID	VARCHAR2(100)	X	Constraint identifier, either manual constraint (synonymous with GenConID) or thermal constraint created by PASA with format 'BASE_<BranchName>' or '<ContingencyID>_<BranchName>'

MARGINALVALUE	NUMBER(20,5)		Constraint Marginal Value ($/MW)
VIOLATIONDEGREE	NUMBER(15,5)		Constraint Violation Degree (MW)
LHS	NUMBER(15,5)		Constraint LHS (MW)
RHS	NUMBER(15,5)		Constraint RHS (MW)
LASTCHANGED	DATE		Date time this record was created

26.8 Table: STPASA_FNM_DUIDAVAILABILITY

26.8.1 STPASA_FNM_DUIDAVAILABILITY

Name STPASA_FNM_DUIDAVAILABILITY

Comment STPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and given Recall Period for all scheduled

26.8.2 Notes

Name	Comment	Value
Visibility		Public

26.8.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

26.8.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run

INTERVAL_DATETIME	DATE	X	End date time of the interval
DUID	VARCHAR2(20)	X	NEM Dispatchable Unit Identifier
BID_TRADINGDATE	DATE		Trading Date of the energy bid
BID_OFFERDATETIME	DATE		Date Time that the energy bid was received
GENERATION_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP
GENERATION_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (MW)
GENERATION_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (Hours)
LOAD_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled load or BDU (Load side) (MW)
LOAD_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled load or BDU (Load side) (MW)
LOAD_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled load or BDU (Load side) (Hours)
LASTCHANGED	DATE		Date time this record was created

26.9 Table: STPASA_FNM_INTERCONNECTORSOLN

26.9.1 STPASA_FNM_INTERCONNECTORSOLN

Name STPASA_FNM_INTERCONNECTORSOLN

Comment STPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.

26.9.2 Notes

Name	Comment	Value
Visibility		Public

26.9.3 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

26.9.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERCONNECTORID	VARCHAR2(20)	X	Interconnector Identifier
CLEAREDFLOW	NUMBER(12,2)		Cleared Interconnector flow (MW)
LASTCHANGED	DATE		Date time this record was created

26.10 Table: STPASA_FNM_INTERZONALSOLUTION

26.10.1 STPASA_FNM_INTERZONALSOLUTION

Name	STPASA_FNM_INTERZONALSOLUTION
Comment	STPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.

26.10.2 Notes

Name	Comment	Value
Visibility		Public

26.10.3 Primary Key Columns

Name

INTERVAL_DATETIME

INTERZONALCONNECTORID

RUN_DATETIME

RUNTYPE

26.10.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERZONALCONNECTORID	VARCHAR2(50)	X	InterzonalConnector Identifier
FROMZONEID	VARCHAR2(30)		FromZoneID of the InterZonalConnectorID
TOZONEID	VARCHAR2(30)		ToZoneID of the InterZonalConnectorID
CLEAREDFLOW	NUMBER(12,2)		Cleared Interzonal flow (MW)
LASTCHANGED	DATE		Date time this record was created

26.11 Table: STPASA_FNM_REGIONSOLUTION

26.11.1 STPASA_FNM_REGIONSOLUTION

Name STPASA_FNM_REGIONSOLUTION

Comment STPASA_FNM_REGIONSOLUTION shows regional demand, cleared values of resources, spare capacity, losses for each run type and intervals.

26.11.2 Notes

Name	Comment	Value
Visibility		Public

26.11.3 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNTYPE

26.11.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region Identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node

			DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)		Spare Generation Capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)

CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit (MW) across at all loads in the Region = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange). Supply Deficit = Supply Deficit_RRN + Supply Deficit_NonRRN
SUPPLYDEFICIT_RRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone that contains the Regional Reference Node (MW)
SUPPLYDEFICIT_NONRRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone(s) that do not contain the Regional Reference Node (MW)
LASTCHANGED	DATE		Date time this record was created

26.12 Table: STPASA_FNM_REGIONSUMMARY

26.12.1 STPASA_FNM_REGIONSUMMARY

Name STPASA_FNM_REGIONSUMMARY

Comment STPASA_FNM_REGIONSUMMARY shows the summary of STPASA outcome for each region.

26.12.2 Notes

Name	Comment	Value
Visibility		Public

26.12.3 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME

26.12.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node. DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units

			(Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

26.13 Table: STPASA_FNM_ZONESOLUTION

26.13.1 STPASA_FNM_ZONESOLUTION

Name	STPASA_FNM_ZONESOLUTION
Comment	STPASA_FNM_ZONESOLUTION shows zone demand, cleared value of resources, spare capacity, losses for each run type and interval.

26.13.2 Notes

Name	Comment	Value
Visibility		Public

26.13.3 Primary Key Columns

Name

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

ZONEID

26.13.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit exists and this Zone does not contain the Regional Reference Node. DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING

			run
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (increase) to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)		Spare generation capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import

			(negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit at loads = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange) (MW)
LASTCHANGED	DATE		Date time this record was created

26.14 Table: STPASA_FNM_ZONESUMMARY

26.14.1 STPASA_FNM_ZONESUMMARY

Name STPASA_FNM_ZONESUMMARY

Comment STPASA_FNM_ZONESUMMARY shows the summary of STPASA outcome for each zone.

26.14.2 Notes

Name Comment Value

Visibility Public

26.14.3 Primary Key Columns

Name

INTERVAL_DATETIME

RUN_DATETIME

ZONEID

26.14.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run

INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain the Regional Reference Node DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall

			Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

26.15 Table: STPASA_INTERCONNECTORSOLN

26.15.1 STPASA_INTERCONNECTORSOLN

Name	STPASA_INTERCONNECTORSOLN
Comment	STPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.

26.15.2 Description

STPASA_INTERCONNECTORSOLN is public so is available to all participants.

Source

STPASA_INTERCONNECTORSOLN is updated each STPASA run (i.e. every 2 hours).

Volume

Rows per day: 576

Mb per month: 4

26.15.3 Notes

Name	Comment	Value
Visibility		Public

26.15.4 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

STUDYREGIONID

26.15.5 Index Columns

Name

LASTCHANGED

26.15.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
CAPACITYMWFLOW	NUMBER(12,2)		Interconnector loading level (MW) that can be reached in case of capacity scarcity in neighbouring regions subject to network and energy constraints
CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value, 0 if not binding

CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree for interconnector capacity; 0 if not violating
CALCULATEDEXPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
CALCULATEDIMPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow.
LASTCHANGED	DATE		Last changed date of this record
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. Note that the STPASA RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025, with only the LOR Run Type reported.
EXPORTLIMITCONSTRAINTID	VARCHAR2(20)		ID of the constraint that sets the Interconnector Export Limit
IMPORTLIMITCONSTRAINTID	VARCHAR2(20)		ID of the constraint that sets the Interconnector Import Limit
STUDYREGIONID	VARCHAR2(20)	X	Primary Region for LP Solve (or MARKET if none).

26.16 Table: STPASA_REGIONSOLUTION

26.16.1 STPASA_REGIONSOLUTION

Name STPASA_REGIONSOLUTION

Comment STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are no longer reported from 31 July 2025.

26.16.2 Description

STPASA_REGIONSOLUTION is public so is available to all participants.

Source

STPASA_REGIONSOLUTION is updated each STPASA run (i.e every 2 hours).

Volume

Rows per day: 480

Mb per month: 8

26.16.3 Notes

Name	Comment	Value
Visibility		Public

26.16.4 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNTYPE

26.16.5 Index Columns

Name
LASTCHANGED

26.16.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the nominal start time of the run.
INTERVAL_DATETIME	DATE	X	End date time of the interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
DEMAND10	NUMBER(12,2)		10% Probability of Exceedance demand forecast.

DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast.
DEMAND90	NUMBER(12,2)		90% Probability of Exceedance demand forecast.
RESERVEREQ	NUMBER(12,2)		Reserve Requirement (MW). This field is not populated after 30 July 2025.
CAPACITYREQ	NUMBER(12,2)		Demand + Reserve requirements (MW). This field is not populated after 30 July 2025.
ENERGYREQDEMAND50	NUMBER(12,2)		Sum of: (Region Demand50)/Period (sum by trading day, entered in first period of trading day, GWh).
UNCONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Non-Energy Constrained plant subjected to restrictions due to network constraints.
CONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Energy Constrained plant subjected to restrictions due to network constraints.
NETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net export (MW) out of this region in the LOR evaluation. Export if > 0, Import if < 0. This value is the same as LORNETINTERCHANGEUNDERSCARCITY.
SURPLUSCAPACITY	NUMBER(12,2)		Regional surplus capacity (MW), +/- values indicate surplus/deficit capacity respectively. This value reflects Regional LOR reserve.
SURPLUSRESERVE	NUMBER(12,2)		Regional surplus reserve (MW). This value also reflects Regional LOR reserve. Note: For LOR runs, RESERVEREQ requirement input is not used.
RESERVECONDITION	NUMBER(1,0)		Regional reserve condition from LRC run. This field is not populated after 30 July 2025.
MAXSURPLUSRESERVE	NUMBER(12,2)		Maximum Surplus Reserve (MW) evaluated for this region from LRC runs. This field is no longer populated.
MAXSPARECAPACITY	NUMBER(12,2)		Maximum Spare Capacity (MW) evaluated for this region. Calculated for each region in turn. This value reflects Regional LOR reserve.
LORCONDITION	NUMBER(1,0)		The LOR Condition determined from the Maximum Spare Capacity value: 0 - no condition, 1 - LOR1 condition, 2 - LOR2

			condition, 3 - LOR3 condition
AGGREGATECAPACITYAVAILABLE	NUMBER(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled units and Availability of all semi-scheduled units limited by MAXAVAIL in a given Region for a given PERIODID
AGGREGATESCHEDULEDLOAD	NUMBER(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	DATE		Date time this record was created.
AGGREGATEPASAAVAILABILITY	NUMBER(12,0)		Sum of PASAAVAILABILITY for all scheduled generating units and scheduled bidirectional units (Gen side) with a Recall_Period <= 24 hours plus the sum of Unconstrained Intermittent Generation Forecasts (UIGF) for all semi-scheduled generating units. For the RELIABILITY_LRC and OUTAGE_LRC runs, UIGF is the POE90 forecast. For the LOR Run, UIGF is the POE50 forecast. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025. From March 2026, AGGREGATEPASAAVAILABILITY changes from that with Recall_Period <= 24 to that achievable by the relevant INTERVAL_DATETIME if recalled at the start of the run.
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. Note that the STPASA RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025, with only the LOR Run Type reported.
ENERGYREQDEMAND10	NUMBER(12,2)		Energy (GWh) required for this energy block based on the 10% probability of exceedance demand. Listed in the first interval of the energy block
CALCULATEDLOR1LEVEL	NUMBER(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	NUMBER(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the MSR assessment. This field is no longer populated.

LORNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULEDCAPACITY	NUMBER(12,2)		Constrained generation forecast (MW) for semi-scheduled units for the region. For RELIABILITY_LRC run, semi-scheduled generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run, semi-scheduled generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
LOR_SEMISCHEDULEDCAPACITY	NUMBER(12,2)		Constrained generation forecast for semi-scheduled units for the region for the LOR run. Semi-scheduled generation is constrained by both System Normal and Outage constraints, and incorporate MAXAVAIL limits.
LCR	NUMBER(16,6)		Largest Credible Risk. MW value for highest credible contingency
LCR2	NUMBER(16,6)		Two Largest Credible Risks. MW value for highest two credible contingencies.
FUM	NUMBER(16,6)		Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines
SS_SOLAR_UIGF	Number(12,2)		Unconstrained Intermittent Generation Forecast for solar for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast
SS_WIND_UIGF	Number (12,2)		Unconstrained Intermittent Generation Forecast for wind for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by

			LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast
SS_SOLAR_CAPACITY	Number (12,2)		Constrained generation forecast for solar for the region. For RELIABILITY_LRC run solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_WIND_CAPACITY	Number (12,2)		Constrained generation forecast for wind for the region. For RELIABILITY_LRC run wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_SOLAR_CLEARED	Number (12,2)		Constrained generation forecast (MW) for solar for the region. For RELIABILITY_LRC run, solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run, solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.This value is the same as SS_SOLAR_CAPACITY.
SS_WIND_CLEARED	Number (12,2)		Constrained generation forecast (MW) for wind for the region. For RELIABILITY_LRC run, wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run, wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.This value is the same as SS_WIND_CAPACITY.
WDR_AVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) availability in MW.
WDR_PASAAVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) PASA availability in MW.
WDR_CAPACITY	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) capacity in MW.

27 Package: TRADING_DATA

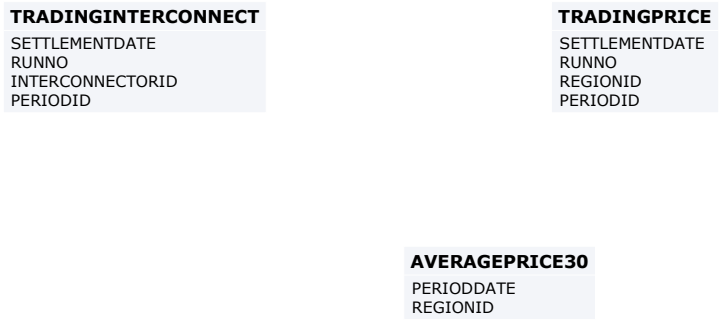
Name TRADING_DATA

Comment 30 minute Trading interval results

27.1 List of tables

Name	Comment	Visibility
AVERAGEPRICE30	Reflects the 30-minute average price (the pre-5MS trading price).	Public
TRADINGINTERCONNECT	TRADINGINTERCONNECT shows the Interconnector flows for the 5 minutes Trading Interval. Prior to 5 Minute Settlements, this was the average of the six 5 minute dispatch intervals within the 30 minute period.	Public
TRADINGPRICE	TRADINGPRICE sets out 5 minutes spot market price, including fields to handle the Ancillary Services functionality. If prices are adjusted, the final price is recorded in the regional reference price (RRP) field with price before adjustment recorded in the regional original price (ROP) field. Prior to 5 Minute Settlements, this was half-hourly spot market values, which was calculated as the average of the six 5 minute dispatch intervals within the 30 minute period.	Public

27.2 Diagram: Entities: Trading Data



27.3 Table: AVERAGEPRICE30

27.3.1 AVERAGEPRICE30

Name	AVERAGEPRICE30
Comment	Reflects the 30-minute average price (the pre-5MS trading price).

27.3.2 Notes

Name	Comment	Value
Visibility		Public

27.3.3 Primary Key Columns

Name
PERIODDATE
REGIONID

27.3.4 Content

Name	Data Type	Mandatory	Comment
PERIODDATE	DATE	X	30-minute interval period, 1 to 48 from the start of the calendar day
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	The 30-minute interval period, 1 to 48
RRP	NUMBER(15,5)		Regional reference price for this period
PRICE_CONFIDENCE	VARCHAR2(20)		Result of Manifestly Incorrect Inputs Price Status and OCD_Status - either "FIRM" or "NOT FIRM". Only FIRM if the Dispatch Interval is resolved for both MII and OCD
LASTCHANGED	DATE		Last date and time record changed

27.4 Table: TRADINGINTERCONNECT

27.4.1 TRADINGINTERCONNECT

Name	TRADINGINTERCONNECT
Comment	TRADINGINTERCONNECT shows the Interconnector flows for the 5 minutes Trading Interval. Prior to 5 Minute Settlements, this was the average of the six 5 minute dispatch intervals within the 30 minute period.

27.4.2 Description

TRADINGINTERCONNECT is public data, and is available to all participants.

Source

TRADINGINTERCONNECT is updated half hourly.

27.4.3 Notes

Name	Comment	Value
Visibility		Public

27.4.4 Primary Key Columns

Name
INTERCONNECTORID
PERIODID
RUNNO
SETTLEMENTDATE

27.4.5 Index Columns

Name
LASTCHANGED

27.4.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Date that this data applies to
RUNNO	NUMBER(3,0)	X	Dispatch run no.
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier
PERIODID	NUMBER(3,0)	X	Period number where 1 represents the trading interval ending at 00:05 AEST
METEREDMWFLOW	NUMBER(15,5)		Average of the metered MW flow from the start of each dispatch interval.
MWFLOW	NUMBER(15,5)		Calculated MW Flow from SPD
MWLOSSES	NUMBER(15,5)		MW losses at calculated MW flow
LASTCHANGED	DATE		Last date and time record changed

27.5 Table: TRADINGPRICE

27.5.1 TRADINGPRICE

Name TRADINGPRICE

Comment TRADINGPRICE sets out 5 minutes spot market price, including fields to handle the Ancillary Services functionality. If prices are adjusted, the final price is recorded in the regional reference price (RRP) field with price before adjustment recorded in the regional original price (ROP) field.

Prior to 5 Minute Settlements, this was half-hourly spot market values, which was calculated as the average of the six 5 minute dispatch intervals within the 30 minute period.

27.5.2 Description

TRADINGPRICE data is public, so is available to all participants.

Source

TRADINGPRICE updates every 30 minutes.

Notes

INVALIDFLAG

The INVALIDFLAG field is used to indicate whether the Trading interval price has been adjusted after the trading interval was completed. On a very restricted set of events, the market rules allow a dispatch price (5 min) to be adjusted on the next business day, and, when this occurs, the corresponding trading interval price for that region is also adjusted and marked as adjusted with INVALIDFLAG of 'A'.

The INVALIDFLAG = 'Y' only applies to historical periods when not all six of the 5-minute dispatch intervals were run in the trading interval. System changes implemented on 30 September 2001 mean this situation no longer occurs since missing dispatch intervals are automatically populated from a previous interval.

If the INVALIDFLAG field = '0', the price was not adjusted and all six dispatch intervals are present.

Prices

There is no field in the TRADINGPRICE table (or the MMS data model anywhere) telling you that the price is provisional or final. The only reliable method is to ensure that the trading date is at least 2 business days old.

27.5.3 Notes

Name	Comment	Value
Visibility		Public

27.5.4 Primary Key Columns

Name
PERIODID
REGIONID
RUNNO
SETTLEMENTDATE

27.5.5 Index Columns

Name
LASTCHANGED

27.5.6 Content

Name	Data Type	Mandato	Comment

		ry	
SETTLEMENTDATE	DATE	X	Date that this data applies to
RUNNO	NUMBER(3,0)	X	Run No
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Period number where 1 represents the trading interval ending at 00:05 AEST
RRP	NUMBER(15,5)		Regional reference price for this dispatch period
EEP	NUMBER(15,5)		Excess energy price where negative average
INVALIDFLAG	VARCHAR2(1)		Indicates when the Trading interval price has been adjusted after the trading interval was completed
LASTCHANGED	DATE		Last date and time record changed
ROP	NUMBER(15,5)		Regional Original Price. The price before any adjustments were made
RAISE6SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISE6SECROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
RAISE60SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISE60SECROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
RAISE5MINRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISE5MINROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
RAISEREGRRP	NUMBER(15,5)		Regional reference price for this dispatch period
RAISEREGROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWER6SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period

LOWER6SECROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWER60SECRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWER60SECROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWER5MINRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWER5MINROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWERREGRRP	NUMBER(15,5)		Regional reference price for this dispatch period
LOWERREGROP	NUMBER(15,5)		Original regional price - prior to APC or VoLL overrides applied
PRICE_STATUS	VARCHAR2(20)		Status of regional prices for this dispatch interval "NOT FIRM" or "FIRM"
RAISE1SECRRP	NUMBER(15,5)		Regional Raise 1Sec Price - R1Price attribute after capping/flooring
RAISE1SECROP	NUMBER(15,5)		Raise1Sec Regional Original Price - uncapped/unfloored and unscaled
LOWER1SECRRP	NUMBER(15,5)		Regional Lower 1Sec Price - RegionSolution element L1Price attribute
LOWER1SECROP	NUMBER(15,5)		Lower1Sec Regional Original Price - uncapped/unfloored and unscaled

28 Package: HISTORICAL TABLES

Name HISTORICAL TABLES

Comment These tables are no longer used

28.1 List of tables

Name	Comment	Visibility
APCCOMP	APCCOMP is to set out Administered Price Cap (APC) compensation periods for a participant.	Private
APCCOMPAMOUNT	APCCOMPAMOUNT shows the Administered Price Cap (APC) compensation amount.	Private
APCCOMPAMOUNTTRK	APCCOMPAMOUNTTRK sets out the relevant Administered Price Cap (APC) period for compensation purposes. Use the APCCOMPAMOUNTTRK table in conjunction with APCAMOUNT.	Private
BIDPEROFFER	BIDPEROFFER shows period-based Energy and Ancillary Service bid data. BIDPEROFFER is a child table of BIDDAYOFFER.	Private & Public Next-Day
BILLADJUSTMENTS		Private
BILLING_CSP_DEROGATION_AMOUNT	CSP derogation amounts with respect to participant allocated payment	Public
BILLING_DIRECTION_RECONCILIATN	Billing reconciliation result table for both provisional and final directions using the FPP methodology (prior to 1st July 2011)	Public
BILLING_MR_PAYMENT	BILLING_MR_PAYMENT shows aggregate payments on a dispatchable unit/MR Event basis for accepted MR capacity	Private
BILLING_MR_RECOVERY	BILLING_MR_RECOVERY shows aggregate recovery charges on a dispatchable unit / MR Event basis for spot market income from dispatch of MR capacity.	Private
BILLING_MR_SHORTFALL	BILLING_MR_SHORTFALL shows aggregate MR shortfall payments (or recovery charges) to each participant in the region for the MR event.	Private
BILLING_MR_SUMMARY	BILLING_MR_SUMMARY shows aggregate payment/recovery and shortfall figures for an MR	Public

	Event.	
BILLING_RES_TRADER_PAYMENT	Billing result table for reserve trader contract payments	Private
BILLING_RES_TRADER_RECOVERY	Billing result table for reserve trader contract recovery	Private
BILLINGCPDATA	BILLINGCPDATA shows energy quantity and $ value purchased per participant connection point. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, BILLING_ENERGY_TRANSACTIONS AND BILLING_ENERGY_GENSET_DETAIL replace BILLINGCPDATA.	Private
BILLINGCPSUM	BILLINGCPSUM shows adjustments for a billing run by participant.	Private
BILLINGCUSTEXCESSGEN	BILLINGCUSTEXCESSGEN shows excess generation payments for each participant cutover.	Private
BILLINGEXCESSGEN	BILLINGEXCESSGEN shows the excess generation cost by period for each participant.	Private
BILLINGGENDATA	BILLINGGENDATA shows the total energy sold and purchased per participant transmission connection point for a billing period. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, BILLING_ENERGY_TRANSACTIONS AND BILLING_ENERGY_GENSET_DETAIL replace BILLINGGENDATA.	Private
BILLINGINTERVENTION	BILLINGINTERVENTION shows billing intervention recovery details.	Private
BILLINGINTERVENTIONREGION	BILLINGINTERVENTIONREGION shows recovery charges for region intervention.	Private
BILLINGRESERVERECOVERY	BILLINGRESERVERECOVERY shows Market Reserve recovery details for each participant in a bill run.	Private
BILLINGRESERVEREGIONRECOVERY	BILLINGRESERVEREGIONRECOVERY shows Billing Region Reserve region recovery details for each participant (by region).	Private
BILLINGRESERVETRADER	BILLINGRESERVETRADER shows Billing Market Reserve TRADER payment details to Generators.	Private
BILLINGRESERVETRADERREGION	BILLINGRESERVETRADERREGION shows Billing Region Reserve Trader payment details.	Private

BILLINGSMELTERREDUCTION	BILLINGSMELTERREDUCTION shows the smelter reduction payment (only applies to participants with Victorian customer connection points).	Private
BILLINTERVENTIONRECOVERY	BILLINTERVENTIONRECOVERY shows billing market intervention recovery details for each participant.	Private
BILLINTERVENTIONREGIONRECOVERY	BILLINTERVENTIONREGIONRECOVERY shows billing region intervention recovery details for each participant by region.	Private
BILLSMELTERRATE	BILLSMELTERRATE is standing data, setting out the rates used in smelter reduction calculations.	Public
CONNECTIONPOINT	CONNECTIONPOINT shows all valid connection points and their type. Transmission loss factors are available for all connection points in TRANSMISSIONLOSSFACTOR.	Public
CONNECTIONPOINTDETAILS	CONNECTIONPOINTDETAILS is obsolete, since it was never populated by Participants accessing AEMO's Oracle Interface. CONNECTIONPOINTDETAILS was designed to show relevant details for each connection point including the responsible party, loss factor and relevant MDAs.	Public
CONNECTIONPOINTOPERATINGSTA	CONNECTIONPOINTOPERATINGSTA shows whether a connection point is active or not.	Public
CONTRACTGOVERNOR	CONTRACTGOVERNOR became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126. CONTRACTGOVERNOR shows Governor contract details used in the settlement and dispatch of this service. Note services are dispatched as 6 and 60 raise and lower Frequency Control Ancillary Services (FCAS). Lower and raise 6 and 60 second fields are used in dispatch of services. Deadband and Droop details are used in settlements.	Private
CONTRACTRESERVEFLAG	CONTRACTRESERVEFLAG has never been or will be used. It was to show a period by period flag for regional or market recovery of reserve trading contract amounts.	Private
CONTRACTRESERVETHRESHOLD	CONTRACTRESERVETHRESHOLD shows reserve contract threshold details for enabling, usage and availability thresholds and rates for reserve trader contracts.	Private
CONTRACTRESERVETRADER	CONTRACTRESERVETRADER shows reserve trader	Private

	contract details. Version numbers do not apply as contracts exist for specified purposes.	
CONTRACTUNITLOADING	CONTRACTUNITLOADING became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126. CONTRACTUNITLOADING shows Unit Loading contract details used in the settlement and dispatch of this service.	Private
CONTRACTUNITUNLOADING	CONTRACTUNITUNLOADING shows Ancillary Service contract data for rapid generator unit unloading.	Private
DAYOFFER	DAYOFFER sets out the participants' daily components of participant bid containing details applying for the whole day (such as prices, daily energy constraint and fast start profiles). To retrieve full bid details, read in conjunction with PEROFFER.	Private & Public Next-Day
DAYOFFER_D	DAYOFFER_D sets out the participants' daily components of participant bid containing just the latest details (such as prices, daily energy constraint and fast start profiles). To retrieve latest bid details, read in conjunction with PEROFFER_D.	Public
DEFAULTDAYOFFER	DEFAULTDAYOFFER shows day-based details of participants' default bids unit for the same day.	Private
DEFAULTOFFERTRK	DEFAULTOFFERTRK shows the file names of default offers submitted for each unit.	Private
DEFAULTPEROFFER	DEFAULTPEROFFER shows half hourly period-based data in the default bid for each Dispatchable Unit, such as period availability, rate of change and band quantities.	Private
DELTAMW	DELTAMW sets out the Frequency Control Ancillary Services (FCAS) requirement to be provided locally within each region and each half-hour period in a market day. Two fields specify Frequency Controlled Ancillary Services requirements to be provided locally for the new regulation ancillary services.	Public
DISPATCH_FCAS_REQ	DISPATCH_FCAS_REQ shows Dispatch Constraint tracking for Regional FCAS recovery.	Public
DISPATCHBIDTRK	DISPATCHBIDTRK shows the bid tracking, including the bid version used in each dispatch run for each unit. DISPATCHBIDTRK is the audit trail of the bid	Private & Public Next-Day

	actually used in each dispatch.	
DISPATCHCASE_OCD	DISPATCHCASE_OCD shows the key data to indicate when an over-constrained dispatch (OCD) re-run actually occurred. One record per over-constrained dispatch interval.	Public
DISPATCHCASESOLUTION_BNC	DISPATCHCASESOLUTION_BNC was discontinued on 30 September 2009. Prior: DISPATCHCASESOLUTION_BNC is the key data to indicate when a binding intra-regional network constraints (BNC) re-run actually occurred.	Public
DISPATCHLOAD_BNC	DISPATCHLOAD_BNC was discontinued on 30 September 2009. Prior: DISPATCHLOAD_BNC gives binding intra-regional network constraints (BNC) re-run dispatch results for all scheduled generating units. DISPATCHLOAD_BNC has a similar structure to DISPATCHLOAD but does not repeat input type data (e.g. InitialMW, AGCStatus) since these values are available from DISPATCHLOAD.	Private & Public Next-Day
DISPATCHTRK	DISPATCHTRK is no longer used. DISPATCHTRK was the cross-reference between each dispatch run and SPD case run. DISPATCHTRK may be available on the InfoServer but not replicated to participant databases as it contains data duplicated in other tables.	Public
FORCEMAJEURE	FORCEMAJEURE used to set out the start and end dates / periods of any force majeure event. FORCEMAJEURE is not used.	Public
FORCEMAJEUREREGION	FORCEMAJEUREREGION used to set out regions impacted by a force majeure event. This table is not used.	Public
GENUNITMTRINPERIOD	GENUNITMTRINPERIOD shows meter reading by period for each generator meter. GENUNITMTRINPERIOD covers generated power flowing into the system. It is used to calculate settlement values.	Private
INTCONTRACT	INTCONTRACT shows intervention contract details. These are specific to each intervention.	Private
INTCONTRACTAMOUNT	INTCONTRACTAMOUNT shows intervention contract amounts.	Private
INTCONTRACTAMOUNTTRK	INTCONTRACTAMOUNTTRK shows the latest valid version of each intervention contract.	Private
INTERCONNMWFLOW	INTERCONNMWFLOW shows Metered Interconnector flow data. INTERCONNMWFLOW shows the meter	Public

	data provided by Meter Data Providers to MSATS. Despite the name, this view shows metered energy (MWh) and not power flow (MW).	
MARKETSUSPENSION	MARKETSUSPENSION is obsolete from 2017 End of Year DM4.27 Release. MARKETSUSPENSION sets out a start and end periods of any market suspension and the reason.	Public
MARKETSUSREGION	MARKETSUSREGION is obsolete from 2017 End of Year DM4.27 Release. MARKETSUSREGION sets out a regions affected by a market suspension.	Public
MAS_CP_CHANGE	MAS_CP_CHANGE records pending changes to the current MAS configuration.	Private
MAS_CP_MASTER	MAS_CP_MASTER shows the current MAS configuration.	Private
METERDATA	METERDATA sets out a meter data for each customer connection point. METERDATA covers market load. Use the field METERRUNNO to match the meter data version for each settlement run.	Private
METERDATA_GEN_DUID	Recorded actual generation of non-scheduled units where SCADA data is available.	Public
METERDATA_TRK	Tracking table for the publication of wholesale settlement data associated with BILLING run	Public
METERDATATRK	METERDATATRK records meter data files submitted for each connection point on a daily basis. The same data is provided in METERDATA period by period (i.e. 48 records), whereas METERDATATRK shows one record per day for each file submitted for a connection point.	Private
MNSP_FILETRK	MNSP_FILETRK shows all MNSPOFFERS transmitted to the MMS system.	Private
MNSP_OFFERTRK	MNSP_OFFERTRK records all valid MNSPOFFERS loaded into the MMS system. The authorised date reflects the date and time of the load. MNSP_OFFERTRK is key for tracking MNSP bid submission.	Private & Public Next-Day
MNSP_PEROFFER	MNSP_PEROFFER shows period by period availability and other period data pertaining to a specific bid and LinkID for the given Settlement Date. MNSP_PEROFFER is a child to MNSP_DAYOFFER and	Private & Public Next-Day

	links to MNSP_OFFERTRK.	
MR_DAYOFFER_STACK	MR_DAYOFFER_STACK defines the Stack order for each version of the Acceptance Schedule, including all units submitting MR offers for that event. MR_DAYOFFER_STACK is the child to MR_EVENT_SCHEDULE, and parent to MR_PEROFFER_STACK.	Private & Public Next-Day
MR_EVENT	MR_EVENT defines an MR Event for a given region on a specific trading date.	Public
MR_EVENT_SCHEDULE	MR_EVENT_SCHEDULE defines the Stack version of the Acceptance Schedule and is the parent table to MR_DayOffer_Stack and MR_PerOffer_Stack.	Public
MR_PEROFFER_STACK	MR_PEROFFER_STACK defines the accepted capacity on a period basis for the Acceptance Schedule, is a child table to MR_DayOffer_Stack and only includes records or units with accepted_capacity > 0 for the specific period.	Private & Public Next-Day
MTPASA_CASE_SET	MTPASA_CASE_SET is obsolete from 2005 End of Year Release. The RUNTYPE added to the primary key of the detail tables for MTPASA allows for the different types of runs for each case. MTPASA_CASE_SET allows a MT PASA scenario to be linked across runs.	Public
MTPASA_CASESOLUTION	MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. MTPASA_CASESOLUTION holds one record for each entire solution. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables.	Public
MTPASA_CONSTRAINTSOLUTION	MTPASA_CONSTRAINTSOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_CONSTRAINTSOLUTION table holds the binding and violated constraint results from the capacity evaluation, including the RHS value. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables.	Public
MTPASA_INTERCONNECTORSOLUTION	MTPASA_INTERCONNECTORSOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_INTERCONNECTORSOLUTION table shows the results of the capacity evaluation for	Public

	Interconnectors, including the calculated limits for the ldcblock within the day. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables (see Change Notices 400, 400a and 400b).	
MTPASA_REGIONSOLUTION	MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_REGIONSOLUTION table shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each day and ldcblock of the study.	Public
MTPASA_RESERVELIMITSOLUTION	MTPASA_RESERVELIMITSOLUTION is obsolete from 2017 End of Year DM4.27 Release. MT PASA Solution table reporting whether a MT PASA Reserve requirement is binding for each day and LDC block of the run.	Public
MTPASACONSTRAINTSOLUTION_D	MTPASACONSTRAINTSOLUTION_D sets out MT PASA constraint solution results, where constraints are binding.	Public
MTPASAINTERCONNECTORSOLUTION_D	MTPASAINTERCONNECTORSOLUTION_D shows interconnector results for MT PASA, shown region by region.	Public
MTPASAREGIONSOLUTION_D	MTPASAREGIONSOLUTION_D shows region results for MT PASA, showing predicted demand and any capacity limits.	Public
OARTRACK	OARTRACK shows an audit trail of bids for a particular settlement day. Corrupt bids do not update OARTRACK, but are just in OFFERFILETRK.	Private & Public Next-Day
OFFERFILETRK	OFFERFILETRK shows an audit trail of all bid files submitted containing energy bids, including corrupt bids/rebids.	Private
OFFERGOVDATA	OFFERGOVDATA sets out reoffers of governor (6 and 60 second FCAS) availability.	Private
OFFERULOADINGDATA	OFFERULOADINGDATA shows reoffers of rapid unit loading capability.	Private
OFFERUNLOADINGDATA	OFFERUNLOADINGDATA shows reoffers of rapid unit unloading capability.	Private
P5MIN_FCAS_REQUIREMENT	5-minute Predispatch constraint tracking for Regional FCAS recovery	Public

PASACASESOLUTION	PASACASESOLUTION sets out ST PASA case listing providing details of each STPASA case run.	Public
PASACONSTRAINTSOLUTION	PASACONSTRAINTSOLUTION records the latest binding STPASA constraint details for each period. For each solution, the latest recalculation for each period overwrites the previous entry.	Public
PASAINTERCONNECTORSOLUTION	PASAINTERCONNECTORSOLUTION records ST PASA interconnector solutions for the latest period.	Public
PASAREGIONSOLUTION	PASAREGIONSOLUTION shows the Regional solution for ST PASA showing reserves for each half-hour period. This table (PASAREGIONSOLUTION_D) shows the latest calculated result for each period.	Public
PEROFFER	PEROFFER contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10). PEROFFER is a child table of DAYOFFER.	Private & Public Next-Day
PEROFFER_D	PEROFFER_D contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER_D. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10). PEROFFER_D is a child table of DAYOFFER_D.	Public
PREDISPATCH_FCAS_REQ	PREDISPATCH_FCAS_REQ shows Predispatch Constraint tracking for Regional FCAS Requirements.	Public
PREDISPATCHBIDTRK	PREDISPATCHBIDTRK contains an audit trail of bids used in each predispatch run. Where predispatch is over 2 days, two bids are listed.	Private & Public Next-Day
REALLOCATIONDETAILS	REALLOCATIONDETAILS sets out specific reallocation agreements.	Private
REALLOCATIONINTERVALS	REALLOCATIONINTERVALS identifies the the reallocation agreement and provides the corresponding reallocation profiles submitted by the participant and accepted by AEMO	Private
REALLOCATIONS	REALLOCATIONS shows reallocation agreement identifiers with corresponding start and end dates of submitted reallocations as accepted by AEMO.	Private

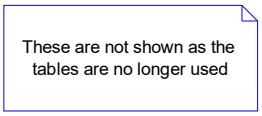
REGIONFCASRELAXATION_OCD	REGIONFCASRELAXATION_OCD contains details of regional FCAS requirements relaxed in the over-constrained dispatch (OCD) re-run (if there was one). Note: INTERVENTION is not included in REGIONFCASRELAXATION_OCD since the relaxation of the FCAS requirement is the same amount in both intervened and non-intervened cases.	Public
RESERVE	RESERVE sets out specific reserve requirements for dispatch, predispatch and STPASA, for each half-hour interval by region. Updates show as new versions for a date.	Public
SET_CSP_DEROGATION_AMOUNT	A settlement table for the publication of Snowy CSP derogation amounts.	Public
SET_CSP_SUPPORTDATA_CONSTRAINT	A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes the constraint-level information for each five minute interval in the settlement run	Public
SET_CSP_SUPPORTDATA_ENERGYDIFF	A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes energy differential information for each half-hour interval in the settlement run	Public
SET_CSP_SUPPORTDATA_SUBPRICE	A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes substitution price information for each five minute interval in the settlement run	Public
SET_MR_PAYMENT	SET_MR_PAYMENT shows trading interval payments on a dispatchable unit basis for accepted MR capacity.	Private
SET_MR_RECOVERY	SET_MR_RECOVERY shows the trading interval recovery charges on a dispatchable unit basis for spot market income from dispatch of MR capacity.	Private
SET_RUN_PARAMETER	SET_RUN_PARAMETER shows the input parameters and value associated with each settlement run (e.g. Residual System Load Causer Pays Factor).	Public
SETAGCPAYMENT	SETAGCPAYMENT sets out specific payment details for Automatic Generation Control (AGC) services by period.	Private
SETAGCRECOVERY	SETAGCRECOVERY shows reimbursements for Automatic Generation Control (AGC) Ancillary Services to be recovered from participants.	Private
SETAPCCOMPENSATION	SETAPCCOMPENSATION shows Administered Price	Private

	Cap (APC) compensation payments for each period.	
SETAPCRECOVERY	SETAPCRECOVERY shows reimbursements for Administered Price Cap (APC) to be recovered from participants.	Private
SETCPDATA	SETCPDATA shows meter settlement data for each connection point. This is the key view for retailers to verify energy charges. A regional summary view is also provided. As the view has values for each connection point by period, for each meter data file, it is a very large view. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_TRANSACTIONS and SET_ENERGY_GENSET_DETAIL replace SETCPDATA.	Private
SETCPDATAREGION	SETCPDATAREGION sets out summary meter settlement data for each region. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_REGION_SUMMARY replace SETCPDATAREGION.	Public
SETFCASCOMP	SETFCASCOMP shows the compensation details for Frequency Controlled Ancillary Services (FCAS). These compensation values are calculated by a separate “what if” run of the LP Solver and entered as an unconstrained MW value into settlements.	Private
SETFCASRECOVERY	SETFCASERECOVERY shows reimbursements for the Frequency Control Ancillary Services compensation.	Private
SETGENDATA	SETGENDATA shows meter settlement data for each generation meter point. A regional summary is also provided. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_TRANSACTIONS and SET_ENERGY_GENSET_DETAIL replace SETGENDATA.	Private
SETGENDATAREGION	SETGENDATAREGION sets out summary settlement data for generation within the specified region. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_REGION_SUMMARY replace SETGENDATAREGION.	Public
SETGOVPAYMENT	SETGOVPAYMENTshows specific payment details for Governor services by period.	Private
SETGOVRECOVERY	SETGOVRECOVERY shows reimbursements for the Governor Ancillary Services to be recovered from	Private

	participants.	
SETINTERVENTION	SETINTERVENTION shows intervention settlement payment details by unit.	Private
SETINTERVENTIONRECOVERY	SETINTERVENTIONRECOVERY shows intervention recovery details by participant.	Private
SETIRFMRECOVERY	SETIRFMRECOVERY sets out reimbursements for Industrial Relations Force Majeure to be recovered from participants.	Private
SETLULOADPAYMENT	SETLULOADPAYMENT shows specific payment details for rapid unit load services by period.	Private
SETLULOADRECOVERY	SETLULOADRECOVERY shows reimbursements for rapid-unit-load Ancillary Services to be recovered from participants.	Private
SETLUNLOADPAYMENT	SETLUNLOADPAYMENT shows specific payment details for rapid unit unload service.	Private
SETLUNLOADRECOVERY	SETLUNLOADRECOVERY shows reimbursements for rapid unit unloading Ancillary Services to be recovered from participants.	Private
SETRESERVETRADER	SETRESERVETRADER shows reserve trader details.	Private
SETSMALLGENDATA	Publishes metering data and associated settlement values for with registered Small Generator Aggregator participants connection points. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_TRANSACTIONS and SET_ENERGY_GENSET_DETAIL replace SETSMALLGENDATA.	Private
SETVICBOUNDARYENERGY	SETVICBOUNDARYENERGY is as requested by Participants for the settlement of Victorian Vesting contracts.	Private
SETVICENERGYFIGURES	SETVICENERGYFIGURES is used in settlement of Victorian Vesting contracts.	Public
SETVICENERGYFLOW	SETVICENERGYFLOW is used in settlement of Victorian Vesting contracts.	Public
STPASA_SYSTEMSOLUTION	STPASA_SYSTEMSOLUTION is obsolete from 2005 End of Year Release. For solution information, see Region solution tables. STPASA_SYSTEMSOLUTION showed the results of the system capacity evaluations for each interval of the	Public

	study.	
STPASA_UNITSOLUTION	STPASA_UNITSOLUTION shows the unit results from the capacity evaluations for each period of the study.	Private
TRADINGLOAD	TRADINGLOAD shows half-hourly average dispatch levels, including fields to handle the Ancillary Services functionality.	Private & Public Next-Day
TRADINGREGIONSUM	TRADINGREGIONSUM sets out the half-hourly average regional demand and frequency control services. TRADINGREGIONSUM includes fields for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations.	Public

28.2 Diagram: Entities: Historical Tables



28.3 Table: APCCOMP

28.3.1 APCCOMP

Name	APCCOMP
Comment	APCCOMP is to set out Administered Price Cap (APC) compensation periods for a participant.

28.3.2 Description

APCCOMP is public data, and is available to all participants.

Source

APCCOMP is empty until an Administered Price Cap event occurs.

Not in use - never used

28.3.3 Notes

Name	Comment	Value
Visibility		Private

28.3.4 Primary Key Columns

Name
APCID

28.3.5 Index Columns

Name
LASTCHANGED

28.3.6 Content

Name	Data Type	Mandatory	Comment

APCID	VARCHAR2(10)	X	APC event identifier.
REGIONID	VARCHAR2(10)		Region
STARTDATE	DATE		Settlement start date
STARTPERIOD	NUMBER(3,0)		Settlement start period (1-48)
ENDDATE	DATE		Settlement end date
ENDPERIOD	NUMBER(3,0)		Settlement end period (1-48)
LASTCHANGED	DATE		Last date and time record changed

28.4 Table: APCCOMPAMOUNT

28.4.1 APCCOMPAMOUNT

Name	APCCOMPAMOUNT
Comment	APCCOMPAMOUNT shows the Administered Price Cap (APC) compensation amount.

28.4.2 Description

Confidential to participants.

Source

Updated with settlement positive and issued with daily data.

Not in use - never used

28.4.3 Notes

Name	Comment	Value
Visibility		Private

28.4.4 Primary Key Columns

Name
APCID

PARTICIPANTID

PERIODID

VERSIONNO

28.4.5 Index Columns

Name

LASTCHANGED

28.4.6 Content

Name	Data Type	Mandatory	Comment
APCID	VARCHAR2(10)	X	APC Identifier
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
VERSIONNO	NUMBER(3,0)	X	Version number
PERIODID	NUMBER(6,0)	X	Offset from start date and period in APCCOMP table.
AMOUNT	NUMBER(15,5)		Compensation audit.
LASTCHANGED	DATE		Last date and time record changed

28.5 Table: APCCOMPAMOUNTTRK

28.5.1 APCCOMPAMOUNTTRK

Name APCCOMPAMOUNTTRK

Comment APCCOMPAMOUNTTRK sets out the relevant Administered Price Cap (APC) period for compensation purposes. Use the APCCOMPAMOUNTTRK table in conjunction with APCAMOUNT.

28.5.2 Description

Public

Source

Updated with settlement posting and issued with daily data.

28.5.3 Notes

Name	Comment	Value
Visibility		Private

28.5.4 Primary Key Columns

Name
APCID
VERSIONNO

28.5.5 Index Columns

Name
LASTCHANGED

28.5.6 Content

Name	Data Type	Mandatory	Comment
APCID	VARCHAR2(10)	X	APC Identifier
VERSIONNO	NUMBER(3,0)	X	Version number
AUTHORISEDBY	VARCHAR2(10)		Authorised by
AUTHORISEDDATE	DATE		Authorised date
LASTCHANGED	DATE		Last date and time record changed

28.6 Table: BIDPEROFFER

28.6.1 BIDPEROFFER

Name	BIDPEROFFER
Comment	BIDPEROFFER shows period-based Energy and Ancillary Service bid data. BIDPEROFFER is a child table of BIDDAYOFFER.

28.6.2 Description

The new ancillary service arrangements require availability and prices for each Frequency Control Ancillary Service to be bid on a similar basis to energy. Three new tables facilitate ancillary service bidding. The new tables (BIDOFFERFILETRK, BIDDAYOFFER and BIDPEROFFER) are similar in structure to energy bidding tables (OFFERFILETRK, DAYOFFER and PEROFFER). The significant differences with the new tables are:

- The OFFERDATE field reflects the time the bid was loaded and this field alone provides the key for versioning of bids. The VERSIONNO field is retained for participant use as information only.
- The new tables support bids for multiple services. The BIDTYPE field defines the service to which the bid applies.
- There are no default bids. In the absence of a bid for a specific settlement date, the latest bid submitted for a previous settlement date applies.

BIDPEROFFER data is confidential to the submitting participant until made public after 4am the next day.

Source

BIDPEROFFER updates as energy and ancillary service bids are processed. BIDPEROFFER includes all accepted energy and ancillary service bids.

Volume

Approximately 72,000,000 records per year

28.6.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.6.4 Primary Key Columns

Name
BIDTYPE
DUID

OFFERDATE

PERIODID

SETTLEMENTDATE

28.6.5 Index Columns

Name

LASTCHANGED

28.6.6 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
OFFERDATE	DATE	X	Offer date
PERIODID	NUMBER(22,0)	X	Period ID
VERSIONNO	NUMBER(22,0)		Version number of offer
MAXAVAIL	NUMBER(12,6)		Maximum availability for this BidType in this period
FIXEDLOAD	NUMBER(12,6)		Fixed unit output MW (Energy Bids Only) A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load)
ROCUP	NUMBER(6,0)		MW/min for raise (Energy Bids Only)
ROCDOWN	NUMBER(6,0)		MW/Min for lower (Energy Bids Only)
ENABLEMENTMIN	NUMBER(6,0)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
ENABLEMENTMAX	NUMBER(6,0)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only)
LOWBREAKPOINT	NUMBER(6,0)		Minimum Energy Output (MW) at which the

			unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
HIGHBREAKPOINT	NUMBER(6,0)		Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
BANDAVAIL1	NUMBER(22,0)		Availability at price band 1
BANDAVAIL2	NUMBER(22,0)		Availability at price band 2
BANDAVAIL3	NUMBER(22,0)		Availability at price band 3
BANDAVAIL4	NUMBER(22,0)		Availability at price band 4
BANDAVAIL5	NUMBER(22,0)		Availability at price band 5
BANDAVAIL6	NUMBER(22,0)		Availability at price band 6
BANDAVAIL7	NUMBER(22,0)		Availability at price band 7
BANDAVAIL8	NUMBER(22,0)		Availability at price band 8
BANDAVAIL9	NUMBER(22,0)		Availability at price band 9
BANDAVAIL10	NUMBER(22,0)		Availability at price band 10
LASTCHANGED	DATE		Last date and time record changed
PASAAVAILABILITY	NUMBER(12,0)		Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours
MR_CAPACITY	NUMBER(6,0)		Mandatory Restriction Offer amount

28.7 Table: BILLADJUSTMENTS

28.7.1 BILLADJUSTMENTS

Name BILLADJUSTMENTS

Comment

28.7.2 Description

BILLADJUSTMENTS is confidential, and is available only to the relevant participant.

Source

Ad hoc

28.7.3 Notes

Name	Comment	Value
Visibility		Private

28.7.4 Primary Key Columns

Name
ADJBILLRUNNO
ADJCONTRACTYEAR
ADJWEEKNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.7.5 Index Columns

Name
LASTCHANGED

28.7.6 Index Columns

Name
PARTICIPANTID

28.7.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January

WEEKNO	NUMBER(3,0)	X	
BILLRUNNO	NUMBER(3,0)		The sequential number of a billing run
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PARTICIPANTTYPE	VARCHAR2(10)		Participant type Generator/Customer
ADJCONTRACTYEAR	NUMBER(4,0)	X	The contract year of the new revised billing run for this adjustment
ADJWEEKNO	NUMBER(3,0)	X	Week number of the new revised billing run for this adjustment
ADJBILLRUNNO	NUMBER(3,0)	X	Billing run number of the new revised billing run for this adjustment
PREVAMOUNT	NUMBER(16,6)		Prior account
ADJAMOUNT	NUMBER(16,6)		The total bill figure for the new revised billing run
LASTCHANGED	DATE		
LRS	NUMBER(15,5)		
PRS	NUMBER(15,5)		
OFS	NUMBER(15,5)		
IRN	NUMBER(15,5)		Interest rate applying to the new amount
IRP	NUMBER(15,5)		Interest rate applying to the principal amount
INTERESTAMOUNT	NUMBER(15,5)		The total interest payable for this adjustment

28.8 Table: BILLING_CSP_DEROGATION_AMOUNT

28.8.1 BILLING_CSP_DEROGATION_AMOUNT

Name BILLING_CSP_DEROGATION_AMOUNT

Comment CSP derogation amounts with respect to participant allocated payment

28.8.2 Description

Source

BILLING_CSP_DEROGATION_AMOUNT is populated by the posting of a billing run.

Volume

An indicative maximum is one record inserted per billing run, or 11 records inserted per week.

28.8.3 Notes

Name	Comment	Value
Visibility		Public

28.8.4 Primary Key Columns

Name
AMOUNT_ID
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.8.5 Index Columns

Name
LASTCHANGED

28.8.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week number
BILLRUNNO	NUMBER(3)	X	Billing run number
PARTICIPANTID	VARCHAR2(10)	X	The participant allocated the payment amount for the derogation
AMOUNT_ID	VARCHAR2(20)	X	Amount identifier represented as a string, from "ta1" through to "ta6" (or "ta8" for a lymmco

			derogation result)
DEROGATION_AMOUNT	NUMBER(18,8)		Derogation amount associated with the amount identifier
LASTCHANGED	DATE		Last changed date for the record

28.9 Table: BILLING_DIRECTION_RECONCILIATN

28.9.1 BILLING_DIRECTION_RECONCILIATN

Name	BILLING_DIRECTION_RECONCILIATN
Comment	Billing reconciliation result table for both provisional and final directions using the FPP methodology (prior to 1st July 2011)

28.9.2 Description

Source

BILLING_DIRECTION_RECONCILIATN is populated by the posting of a billing run.

Volume

One record inserted per direction per billing run, or 11 records inserted per week. Presently

28.9.3 Notes

Name	Comment	Value
Visibility		Public

28.9.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
DIRECTION_ID
WEEKNO

28.9.5 Index Columns

Name

LASTCHANGED

28.9.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week no
BILLRUNNO	NUMBER(3)	X	Billing run no
DIRECTION_ID	VARCHAR2(20)	X	Direction identifier
DIRECTION_DESC	VARCHAR2(200)		Direction description
DIRECTION_START_DATE	DATE		Direction start date time
DIRECTION_END_DATE	DATE		Direction end date time
COMPENSATION_AMOUNT	NUMBER(16,6)		Direction compensation amount
INDEPENDENT_EXPERT_FEE	NUMBER(16,6)		Independent expert fee charged on calculating direction compensation amount
INTEREST_AMOUNT	NUMBER(16,6)		Interest occurred on direction compensation amount
CRA	NUMBER(16,6)		Direction compensation recovery amount
NEM_FEE_ID	VARCHAR2(20)		Fixed settlement fee identifier for direction purpose
NEM_FIXED_FEE_AMOUNT	NUMBER(16,6)		Fixed settlement fee for participants between direction start and end date
MKT_CUSTOMER_PERC	NUMBER(16,6)		Direction compensation recovery amount percentage breakdown among customers
GENERATOR_PERC	NUMBER(16,6)		Direction compensation recovery amount percentage breakdown among generators
LASTCHANGED	DATE		Last changed date time

28.10 Table: BILLING_MR_PAYMENT

28.10.1 BILLING_MR_PAYMENT

Name	BILLING_MR_PAYMENT
Comment	BILLING_MR_PAYMENT shows aggregate payments on a dispatchable unit/MR Event basis for accepted MR capacity

28.10.2 Description

BILLING_MR_PAYMENT data is confidential, and is available only to the relevant participant.

Source

Ad hoc - MR events only.

Volume

3500 rows per year

28.10.3 Notes

Name	Comment	Value
Visibility		Private

28.10.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
DUID
MR_DATE
REGIONID
WEEKNO

28.10.5 Index Columns

Name
LASTCHANGED

28.10.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing Contract Year
WEEKNO	NUMBER(3,0)	X	Billing Week number
BILLRUNNO	NUMBER(3,0)	X	Billing Run number
MR_DATE	DATE	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique Region Identifier
PARTICIPANTID	VARCHAR2(10)		Unique Participant identifier
DUID	VARCHAR2(10)	X	Unique identifier for DUID / MNSP LinkID
MR_AMOUNT	NUMBER(16,6)		Payment amount by AEMO
LASTCHANGED	DATE		Date/Time record inserted/modified

28.11 Table: BILLING_MR_RECOVERY

28.11.1 BILLING_MR_RECOVERY

Name BILLING_MR_RECOVERY

Comment BILLING_MR_RECOVERY shows aggregate recovery charges on a dispatchable unit / MR Event basis for spot market income from dispatch of MR capacity.

28.11.2 Description

BILLING_MR_RECOVERY data is confidential, and is available only to the relevant participant.

Source

Ad hoc - MR events only.

Volume

3500 rows per year

28.11.3 Notes

Name	Comment	Value
Visibility		Private

28.11.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
DUID
MR_DATE
REGIONID
WEEKNO

28.11.5 Index Columns

Name
LASTCHANGED

28.11.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing Contract Year
WEEKNO	NUMBER(3,0)	X	Billing Week number
BILLRUNNO	NUMBER(3,0)	X	Billing Run number
MR_DATE	DATE	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique Region Identifier
PARTICIPANTID	VARCHAR2(10)		Unique Participant identifier

DUID	VARCHAR2(10)	X	Unique identifier for DUID / MNSP LinkID
MR_AMOUNT	NUMBER(16,6)		Payment amount to AEMO
LASTCHANGED	DATE		Date/Time record inserted/modified

28.12 Table: BILLING_MR_SHORTFALL

28.12.1 BILLING_MR_SHORTFALL

Name	BILLING_MR_SHORTFALL
Comment	BILLING_MR_SHORTFALL shows aggregate MR shortfall payments (or recovery charges) to each participant in the region for the MR event.

28.12.2 Description

BILLING_MR_SHORTFALL data is confidential, and is available only to the relevant participant.

Source

Ad hoc - MR events only.

Volume

400 rows per year.

28.12.3 Notes

Name	Comment	Value
Visibility		Private

28.12.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
MR_DATE
PARTICIPANTID
REGIONID

WEEKNO

28.12.5 Index Columns

Name

LASTCHANGED

28.12.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing Contract Year
WEEKNO	NUMBER(3,0)	X	Billing Week number
BILLRUNNO	NUMBER(3,0)	X	Billing Run number
MR_DATE	DATE	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique Region Identifier
PARTICIPANTID	VARCHAR2(10)	X	Unique Participant Identifier
AGE	NUMBER(16,6)		The adjusted gross energy for the market customer in the restricted region for the duration of the mandatory restriction event (MWh)
RSA	NUMBER(16,6)		Restriction Shortfall amount payable to AEMO for a mandatory restriction period
LASTCHANGED	DATE		Date/Time record inserted/modified

28.13 Table: BILLING_MR_SUMMARY

28.13.1 BILLING_MR_SUMMARY

Name BILLING_MR_SUMMARY

Comment BILLING_MR_SUMMARY shows aggregate payment/recovery and shortfall figures for an MR Event.

28.13.2 Description

BILLING_MR_SUMMARY data is public to all participants.

Source

Ad hoc - MR events only.

Volume

200 rows per year.

28.13.3 Notes

Name	Comment	Value
Visibility		Public

28.13.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
MR_DATE
REGIONID
WEEKNO

28.13.5 Index Columns

Name
LASTCHANGED

28.13.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Billing Contract Year
WEEKNO	NUMBER(3,0)	X	Billing Week number
BILLRUNNO	NUMBER(3,0)	X	Billing Run number

MR_DATE	DATE	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique Region Identifier
TOTAL_PAYMENTS	NUMBER(16,6)		Total payments by AEMO
TOTAL_RECOVERY	NUMBER(16,6)		Total payments to AEMO
TOTAL_RSA	NUMBER(16,6)		Total Restriction Shortfall Amount
AAGE	NUMBER(16,6)		The aggregate of then adjusted gross energy of all the market customer in the restricted region for the duration of the mandatory restriction period (MWh)
LASTCHANGED	DATE		Date/Time record inserted/modified

28.14 Table: BILLING_RES_TRADER_PAYMENT

28.14.1 BILLING_RES_TRADER_PAYMENT

Name	BILLING_RES_TRADER_PAYMENT
Comment	Billing result table for reserve trader contract payments

28.14.2 Notes

Name	Comment	Value
Visibility		Private

28.14.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
PARTICIPANTID
PAYMENT_TYPE

WEEKNO

28.14.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week number
BILLRUNNO	NUMBER(3)	X	Billing run number
CONTRACTID	VARCHAR2(20)	X	Reserve trader contract identifier
PAYMENT_TYPE	VARCHAR2(40)	X	Payment type for the reserve trader contract payment amount
PARTICIPANTID	VARCHAR2(20)	X	Participant identifier associated with the contract
PAYMENT_AMOUNT	NUMBER(18,8)		Payment amount to the participant

28.15 Table: BILLING_RES_TRADER_RECOVERY

28.15.1 BILLING_RES_TRADER_RECOVERY

Name BILLING_RES_TRADER_RECOVERY

Comment Billing result table for reserve trader contract recovery

28.15.2 Notes

Name	Comment	Value
Visibility		Private

28.15.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

28.15.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4)	X	Billing contract year
WEEKNO	NUMBER(3)	X	Billing week number
BILLRUNNO	NUMBER(3)	X	Billing run number
REGIONID	VARCHAR2(20)	X	Region id for the aggregated recovery amount
PARTICIPANTID	VARCHAR2(20)	X	Participant identifier
RECOVERY_AMOUNT	NUMBER(18,8)		Payment amount to be recovered from the participant

28.16 Table: BILLINGCPDATA

28.16.1 BILLINGCPDATA

Name BILLINGCPDATA

Comment BILLINGCPDATA shows energy quantity and $ value purchased per participant connection point. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, BILLING_ENERGY_TRANSACTIONS AND BILLING_ENERGY_GENSET_DETAIL replace BILLINGCPDATA.

28.16.2 Description

BILLINGCPDATA data is confidential to relevant participant.

Source

Populated by the posting of a billing run, being several times each week.

Volume

The number of records depends on the number of Transmission ConnectionPointIDs a participant may use to purchase energy. An indicative maximum is approximately 150 records per billrunno, or about 1,500 records inserted per week.

28.16.3 Notes

Name	Comment	Value
Visibility		Private

28.16.4 Primary Key Columns

Name
BILLRUNNO
CONNECTIONPOINTID
CONTRACTYEAR
MDA
PARTICIPANTID
WEEKNO

28.16.5 Index Columns

Name
LASTCHANGED

28.16.6 Index Columns

Name
PARTICIPANTID

28.16.7 Content

Name	Data Type	Mandato	Comment

		ry	
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
CONNECTIONPOINTID	VARCHAR2(10)	X	Unique connection point identifier
AGGREGATEENERGY	NUMBER(16,6)		Aggregate energy purchased/sold by customer, in MWh, plus UFEA. When GS commences, this includes the UFEA amount in the settlement runs.
PURCHASES	NUMBER(16,6)		The Purchase column has the dollar value of the Energy Purchased rather than Aggregate Energy Dollar
LASTCHANGED	DATE		Last date and time record changed
MDA	VARCHAR2(10)	X	relevant MDA for this connection point.
AFE	NUMBER(18,8)		Adjusted Gross Energy for this Market Customer FRMP and TNI in the Billing run, excluding any UFEA component.
DME	NUMBER(18,8)		Sum of ME- for all NMIs at this Market Customer FRMP and TNI in the Billing run.
UFEA	NUMBER(18,8)		Share of UFE allocated to this FRMP and TNI in the Billing run.
AGE	NUMBER(18,8)		Adjusted Gross Energy for this Market Customer FRMP and TNI in the trading interval. This will include the UFEA value once financial settlement of UFE commences with GS.
SOLDENERGY	NUMBER(18,8)		Energy sold at the connection point by the participant in this billing run
SALES	NUMBER(18,8)		The total cost of energy sold at the connection point by the participant in this billing run
PURCHASEDENERGY	NUMBER(18,8)		The energy consumed at the connection point by the participant in this billing run

28.17 Table: BILLINGCPSUM

28.17.1 BILLINGCPSUM

Name	BILLINGCPSUM
Comment	BILLINGCPSUM shows adjustments for a billing run by participant.

28.17.2 Description

BILLINGCPSUM data is confidential to the relevant participant.

Source

Weekly update with billing run.

28.17.3 Notes

Name	Comment	Value
Visibility		Private

28.17.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
PARTICIPANTTYPE
WEEKNO

28.17.5 Index Columns

Name
LASTCHANGED

28.17.6 Index Columns

Name

PARTICIPANTID

28.17.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PARTICIPANTTYPE	VARCHAR2(10)	X	Participant type Generator/Customer
PREVIOUSAMOUNT	NUMBER(16,6)		Previous amount billed
ADJUSTEDAMOUNT	NUMBER(16,6)		Adjusted amount billed
ADJUSTMENTWEEKNO	NUMBER(3,0)		Week no of adjustment
ADJUSTMENTRUNNO	NUMBER(3,0)		Run no of adjustment
LASTCHANGED	DATE		Last date and time record changed

28.18 Table: BILLINGCUSTEXCESSGEN

28.18.1 BILLINGCUSTEXCESSGEN

Name BILLINGCUSTEXCESSGEN

Comment BILLINGCUSTEXCESSGEN shows excess generation payments for each participant cutover.

28.18.2 Description

Source

Obsolete; was updated with relevant settlement runs.

28.18.3 Notes

Name	Comment	Value
Visibility		Private

28.18.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
WEEKNO

28.18.5 Index Columns

Name
LASTCHANGED

28.18.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is

			the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
PERIODID	NUMBER(3,0)	X	Half hourly trading period that excess generation is for
EXCESSGENPAYMENT	NUMBER(16,6)		Payment by Customer for Excess Generation
LASTCHANGED	DATE		Last date and time record changed
REGIONID	VARCHAR2(10)	X	Region Identifier

28.19 Table: BILLINGEXCESSGEN

28.19.1 BILLINGEXCESSGEN

Name	BILLINGEXCESSGEN
Comment	BILLINGEXCESSGEN shows the excess generation cost by period for each participant.

28.19.2 Description

Source

Obsolete; was updated weekly with each billing run.

28.19.3 Notes

Name	Comment	Value
Visibility		Private

28.19.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

WEEKNO

28.19.5 Index Columns

Name

LASTCHANGED

28.19.6 Index Columns

Name

PARTICIPANTID

28.19.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
SETTLEMENTDATE	DATE	X	Calendar settlement date record becomes effective
PERIODID	NUMBER(3,0)	X	Settlement interval within the settlement date (1-48) starting at 00:30
EXCESSENERGYCOST	NUMBER(15,5)		Cost of excess energy attributed to this customer

LASTCHANGED	DATE		Last date and time record changed
REGIONID	VARCHAR2(10)	X	Region Identifier

28.20 Table: BILLINGGENDATA

28.20.1 BILLINGGENDATA

Name	BILLINGGENDATA
Comment	BILLINGGENDATA shows the total energy sold and purchased per participant transmission connection point for a billing period. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, BILLING_ENERGY_TRANSACTIONS AND BILLING_ENERGY_GENSET_DETAIL replace BILLINGGENDATA.

28.20.2 Description

BILLINGGENDATA data is confidential to the the relevant participant.

Source

BILLINGGENDATA is populated by the posting of a billing run, being several times each week.

Volume

The number of records depends on the number of transmission ConnectionPointIDs a Participant may have sold energy from per billrunno. An indicative maximum is approximately 15 records inserted per billrunno, or about 165 records inserted per week.

BILLINGGENDATA is confidential to the the relevant participant.

28.20.3 Notes

Name	Comment	Value
Visibility		Private

28.20.4 Primary Key Columns

Name
BILLRUNNO
CONNECTIONPOINTID

CONTRACTYEAR

PARTICIPANTID

WEEKNO

28.20.5 Index Columns

Name

LASTCHANGED

28.20.6 Index Columns

Name

PARTICIPANTID

28.20.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection point identifier
STATIONID	VARCHAR2(10)		not populated
DUID	VARCHAR2(10)		not populated
AGGREGATEENERGY	NUMBER(16,6)		Aggregate energy sold, in MWh
SALES	NUMBER(16,6)		$ income
PURCHASES	NUMBER(16,6)		$ outgoing

LASTCHANGED	DATE		Last date and time record changed
PURCHASEDENERGY	NUMBER(16,6)		Amount of energy purchased in MWh
MDA	VARCHAR2(10)		Metering Data Agent supplying data

28.21 Table: BILLINGINTERVENTION

28.21.1 BILLINGINTERVENTION

Name	BILLINGINTERVENTION
Comment	BILLINGINTERVENTION shows billing intervention recovery details.

28.21.2 Description

BILLINGINTERVENTION is confidential to the relevant participant.

Source

Updated when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

28.21.3 Notes

Name	Comment	Value
Visibility		Private

28.21.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.21.5 Index Columns

Name

LASTCHANGED

28.21.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
MARKETINTERVENTION	NUMBER(15,5)		Intervention Amounts paid to Generator for Market Recovery for region
TOTALINTERVENTION	NUMBER(15,5)		Total Intervention Amounts paid to Generator
LASTCHANGED	DATE		Last date and time record changed

28.22 Table: BILLINGINTERVENTIONREGION

28.22.1 BILLINGINTERVENTIONREGION

Name BILLINGINTERVENTIONREGION

Comment BILLINGINTERVENTIONREGION shows recovery charges for region intervention.

28.22.2 Description

BILLINGINTERVENTIONREGION is confidential to the relevant participant.

Source

BILLINGINTERVENTIONREGION is updated with relevant settlement runs, such as containing an Administered Price Cap. BILLINGINTERVENTIONREGION is empty until such an event occurs.

28.22.3 Notes

Name	Comment	Value
Visibility		Private

28.22.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

28.22.5 Index Columns

Name
LASTCHANGED

28.22.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
REGIONID	VARCHAR2(10)	X	Region ID
REGIONINTERVENTION	NUMBER(15,5)		Recovery amount for that region

LASTCHANGED	DATE		Last changed date

28.23 Table: BILLINGRESERVERECOVERY

28.23.1 BILLINGRESERVERECOVERY

Name	BILLINGRESERVERECOVERY
Comment	BILLINGRESERVERECOVERY shows Market Reserve recovery details for each participant in a bill run.

28.23.2 Description

BILLINGRESERVERECOVERY data is Confidential to participant.

Source

BILLINGRESERVERECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. BILLINGRESERVERECOVERY is empty until such an event occurs.

28.23.3 Notes

Name	Comment	Value
Visibility		Private

28.23.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.23.5 Index Columns

Name
LASTCHANGED

28.23.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
MARKETRESERVE	NUMBER(15,5)		Amount Retailer pays for Reserve Trader Contracts with Market Recovery
LASTCHANGED	DATE		Last date and time record changed

28.24 Table: BILLINGRESERVEREGIONRECOVERY

28.24.1 BILLINGRESERVEREGIONRECOVERY

Name	BILLINGRESERVEREGIONRECOVERY
Comment	BILLINGRESERVEREGIONRECOVERY shows Billing Region Reserve region recovery details for each participant (by region).

28.24.2 Description

BILLINGRESERVEREGIONRECOVERY data is confidential to the relevant participant.

Source

BILLINGRESERVEREGIONRECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

28.24.3 Notes

Name	Comment	Value
Visibility		Private

28.24.4 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

28.24.5 Index Columns

Name

LASTCHANGED

28.24.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier for region recovery.
REGIONRESERVE	NUMBER(15,5)		Amount Retailer pays for Reserve Trader Contracts with Region Recovery
LASTCHANGED	DATE		

28.25 Table: BILLINGRESERVETRADER

28.25.1 BILLINGRESERVETRADER

Name	BILLINGRESERVETRADER
Comment	BILLINGRESERVETRADER shows Billing Market Reserve TRADER payment details to Generators.

28.25.2 Description

BILLINGRESERVETRADER data is Confidential to the relevant participant.

Source

BILLINGRESERVETRADER updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

28.25.3 Notes

Name	Comment	Value
Visibility		Private

28.25.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.25.5 Index Columns

Name
LASTCHANGED

28.25.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
MARKETRESERVE	NUMBER(15,5)		Reserve Trader Amounts paid to Generator for Market Recovery
TOTALRESERVE	NUMBER(15,5)		Total Reserve Trader Amounts paid to Generator
LASTCHANGED	DATE		Last date and time record changed
TOTALCAPDIFFERENCE	NUMBER(15,5)		

28.26 Table: BILLINGRESERVETRADERREGION

28.26.1 BILLINGRESERVETRADERREGION

Name	BILLINGRESERVETRADERREGION
Comment	BILLINGRESERVETRADERREGION shows Billing Region Reserve Trader payment details.

28.26.2 Description

BILLINGRESERVETRADERREGION data is confidential to the relevant participant.

Source

BILLINGRESERVETRADERREGION updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

28.26.3 Notes

Name	Comment	Value
Visibility		Private

28.26.4 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

28.26.5 Index Columns

Name

LASTCHANGED

28.26.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
REGIONRESERVE	NUMBER(15,5)		Reserve Trader Amounts paid to Generator for Region Recovery
LASTCHANGED	DATE		Last date and time record changed

28.27 Table: BILLINGSMELTERREDUCTION

28.27.1 BILLINGSMELTERREDUCTION

Name	BILLINGSMELTERREDUCTION
Comment	BILLINGSMELTERREDUCTION shows the smelter reduction payment (only applies to participants with Victorian customer connection points).

28.27.2 Description

BILLINGSMELTERREDUCTION data is confidential to the relevant participant.

Source

BILLINGSMELTERREDUCTION is populated by the posting of a billing run where the participant has Victorian customer connectionpoints.

Volume

One record inserted per billing run, or 11 records inserted per week.

28.27.3 Notes

Name	Comment	Value
Visibility		Private

28.27.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.27.5 Index Columns

Name
PARTICIPANTID

28.27.6 Index Columns

Name

LASTCHANGED

28.27.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(22,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(22,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(22,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
RATE1	NUMBER(15,6)		Rate in $/MWh
RA1	NUMBER(15,6)		Payment
RATE2	NUMBER(15,6)		Rate in $/MWh
RA2	NUMBER(15,6)		Payment
TE	NUMBER(15,6)		Tabulated Energy
PCSD	NUMBER(15,6)		Victorian Demand as defined by Code Chapter 9 definitions
LASTCHANGED	DATE		Last date and time record changed

28.28 Table: BILLINTERVENTIONRECOVERY

28.28.1 BILLINTERVENTIONRECOVERY

Name BILLINTERVENTIONRECOVERY

Comment BILLINTERVENTIONRECOVERY shows billing market intervention recovery details for each participant.

28.28.2 Description

BILLINTERVENTIONRECOVERY data is confidential to the relevant participant.

Source

BILLINTERVENTIONRECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

28.28.3 Notes

Name	Comment	Value
Visibility		Private

28.28.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

28.28.5 Index Columns

Name
LASTCHANGED

28.28.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no

PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
MARKETINTERVENTION	NUMBER(15,5)		Amount Retailer pays for Intervention with Market Recovery
LASTCHANGED	DATE		Last date and time record changed

28.29 Table: BILLINTERVENTIONREGIONRECOVERY

28.29.1 BILLINTERVENTIONREGIONRECOVERY

Name	BILLINTERVENTIONREGIONRECOVERY
Comment	BILLINTERVENTIONREGIONRECOVERY shows billing region intervention recovery details for each participant by region.

28.29.2 Description

BILLINTERVENTIONREGIONRECOVERY data is confidential to the relevant participant.

Source

BILLINTERVENTIONREGIONRECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

28.29.3 Notes

Name	Comment	Value
Visibility		Private

28.29.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

28.29.5 Index Columns

Name

LASTCHANGED

28.29.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	NUMBER(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
REGIONINTERVENTION	NUMBER(15,5)		Amount retailer pays for intervention with Region Recovery
LASTCHANGED	DATE		Last date and time record changed

28.30 Table: BILLSMELTERRATE

28.30.1 BILLSMELTERRATE

Name BILLSMELTERRATE

Comment BILLSMELTERRATE is standing data, setting out the rates used in smelter reduction calculations.

28.30.2 Description

BILLSMELTERRATE is public data, and is available to all participants.

Source

BILLSMELTERRATE updates infrequently, when inserting new annual rates.

Volume

Two records inserted per year

28.30.3 Notes

Name	Comment	Value
Visibility		Public

28.30.4 Primary Key Columns

Name
CONTRACTYEAR
EFFECTIVEDATE
VERSIONNO

28.30.5 Index Columns

Name
LASTCHANGED

28.30.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Calendar settlement date record becomes effective
VERSIONNO	NUMBER(3,0)	X	Version no of the record for the given effective date
CONTRACTYEAR	NUMBER(22,0)	X	AEMO Contract Year number starting in week containing 1st January
RAR1	NUMBER(6,2)		Smelter rate 1
RAR2	NUMBER(6,2)		Smelter rate 2
AUTHORISEDDATE	DATE		Authorised date

AUTHORISEDBY	VARCHAR2(10)		Who authorised
LASTCHANGED	DATE		Last date and time record changed

28.31 Table: CONNECTIONPOINT

28.31.1 CONNECTIONPOINT

Name CONNECTIONPOINT

Comment CONNECTIONPOINT shows all valid connection points and their type. Transmission loss factors are available for all connection points in TRANSMISSIONLOSSFACTOR.

28.31.2 Description

CONNECTIONPOINT data is confidential to each relevant participant

Source

CONNECTIONPOINT updates for new connection points as required.

28.31.3 Notes

Name	Comment	Value
Visibility		Public

28.31.4 Primary Key Columns

Name

CONNECTIONPOINTID

28.31.5 Index Columns

Name

LASTCHANGED

28.31.6 Content

Name	Data Type	Mandatory	Comment
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection Point Identifier
CONNECTIONPOINTNAME	VARCHAR2(80)		Connection point full description
CONNECTIONPOINTTYPE	VARCHAR2(20)		Connection point type. transmission, distribution, station, genunit, or interconnector
ADDRESS1	VARCHAR2(80)		Connection point location
ADDRESS2	VARCHAR2(80)		Connection point location
ADDRESS3	VARCHAR2(80)		Connection point location
ADDRESS4	VARCHAR2(80)		Not Used
CITY	VARCHAR2(40)		City
STATE	VARCHAR2(10)		State of Australia
POSTCODE	VARCHAR2(10)		Post Code
LASTCHANGED	DATE		Last date and time record changed

28.32 Table: CONNECTIONPOINTDETAILS

28.32.1 CONNECTIONPOINTDETAILS

Name	CONNECTIONPOINTDETAILS
Comment	CONNECTIONPOINTDETAILS is obsolete, since it was never populated by Participants accessing AEMO's Oracle Interface. CONNECTIONPOINTDETAILS was designed to show relevant details for each connection point including the responsible party, loss factor and relevant MDAs.

28.32.2 Description

CONNECTIONPOINTDETAILS data is confidential to each participant included in details.

Source

CONNECTIONPOINTDETAILS updates periodically, such as for Transmission Loss Factor (TLF) changes

28.32.3 Notes

Name	Comment	Value
Visibility		Public

28.32.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE
VERSIONNO

28.32.5 Index Columns

Name
METERDATAPROVIDER
NETWORKSERVICEPROVIDER
FINRESPORGAN

28.32.6 Index Columns

Name
CONNECTIONPOINTID

28.32.7 Index Columns

Name
LASTCHANGED

28.32.8 Content

Name	Data Type	Mandatory	Comment

EFFECTIVEDATE	DATE	X	Effective date of record
VERSIONNO	NUMBER(3,0)	X	Version no of record for given effective date
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection point identifier
REGIONID	VARCHAR2(10)		Region Identifier
TRANSMISSIONCPTID	VARCHAR2(10)		Associated transmission connection point id for a distribution connection point
METERDATAPROVIDER	VARCHAR2(10)		The MDA providing meter data for this connection point
TRANSMISSIONLOSSFACTOR	NUMBER(7,5)		The transmission level loss factor for this connection point
DISTRIBUTIONLOSSFACTOR	NUMBER(7,5)		The distribution level loss factor for a distribution connection point
NETWORKSERVICEPROVIDER	VARCHAR2(10)		The Network Service Provider
FINRESPORGAN	VARCHAR2(10)		Financially responsible organisation
NATIONALMETERINSTALLID	NUMBER(7,5)		National Meter Id
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed
INUSE	VARCHAR2(1)		Status flag.
LNSP	VARCHAR2(10)		Local Electricity Network Service Provider
MDA	VARCHAR2(10)		Metering Data Agent for connection point.
ROLR	VARCHAR2(10)		Retailer of last resort.
RP	VARCHAR2(10)		Responsible party.
AGGREGATEDDATA	VARCHAR2(1)		Aggregate flag.
VALID_TODATE	DATE		Date of validity.
LR	VARCHAR2(10)		Local Retailer

28.33 Table: CONNECTIONPOINTOPERATINGSTA

28.33.1 CONNECTIONPOINTOPERATINGSTA

Name	CONNECTIONPOINTOPERATINGSTA
Comment	CONNECTIONPOINTOPERATINGSTA shows whether a connection point is active or not.

28.33.2 Description

CONNECTIONPOINTOPERATINGSTA data is confidential to each relevant participant.

Source

CONNECTIONPOINTOPERATINGSTA updates periodically with changes in connection point status, such as for Transmission Loss Factor (TLF) changes.

28.33.3 Notes

Name	Comment	Value
Visibility		Public

28.33.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE
VERSIONNO

28.33.5 Index Columns

Name
CONNECTIONPOINTID

28.33.6 Index Columns

Name

LASTCHANGED

28.33.7 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of record
VERSIONNO	NUMBER(3,0)	X	
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection point identifier
OPERATINGSTATUS	VARCHAR2(16)		Active or inactive indicator
AUTHORISEDDATE	DATE		Date record authorised
AUTHORISEDBY	VARCHAR2(15)		User authorising record
LASTCHANGED	DATE		Last date and time record changed

28.34 Table: CONTRACTGOVERNOR

28.34.1 CONTRACTGOVERNOR

Name CONTRACTGOVERNOR

Comment CONTRACTGOVERNOR became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126.

CONTRACTGOVERNOR shows Governor contract details used in the settlement and dispatch of this service. Note services are dispatched as 6 and 60 raise and lower Frequency Control Ancillary Services (FCAS). Lower and raise 6 and 60 second fields are used in dispatch of services. Deadband and Droop details are used in settlements.

28.34.2 Description

Confidential to participant

Source

Not in Use - discontinued 30/09/2001: was updated only where there was a contract variation.

28.34.3 Notes

Name	Comment	Value
Visibility		Private

28.34.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

28.34.5 Index Columns

Name
LASTCHANGED

28.34.6 Index Columns

Name
PARTICIPANTID

28.34.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No.
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Termination Date of Contract
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
CCPRICE	NUMBER(10,2)		Compensation Cap

LOWER60SECBREAKPOINT	NUMBER(9,6)		Limit Equation Lower 60 Second Breakpoint MW
LOWER60SECMAX	NUMBER(9,6)		Limit Equation Lower 60 Second Maximum MW
LOWER6SECBREAKPOINT	NUMBER(9,6)		Limit Equation Lower 6 Second Breakpoint MW
LOWER6SECMAX	NUMBER(9,6)		Limit Equation Lower 6 Second Maximum MW
RAISE60SECBREAKPOINT	NUMBER(9,6)		Limit Equation Raise 60 Second Breakpoint MW
RAISE60SECCAPACITY	NUMBER(9,6)		Limit Equation Raise 60 Second Capacity MW
RAISE60SECMAX	NUMBER(9,6)		Limit Equation Raise 60 Second Maximum MW
RAISE6SECBREAKPOINT	NUMBER(9,6)		Limit Equation Raise 6 Second Breakpoint MW
RAISE6SECCAPACITY	NUMBER(9,6)		Limit Equation Raise 6 Second Capacity MW
RAISE6SECMAX	NUMBER(9,6)		Limit Equation Raise 6 Second Maximum MW
PRICE6SECRAISEMANDATORY	NUMBER(16,6)		Not used
QUANT6SECRAISEMANDATORY	NUMBER(16,6)		Not used
PRICE6SECRAISECONTRACT	NUMBER(16,6)		Contract Price for 6 Second Raise
QUANT6SECRAISECONTRACT	NUMBER(16,6)		Contract Quantity for 6 Second Raise
PRICE60SECRAISEMANDATORY	NUMBER(16,6)		Not used
QUANT60SECRAISEMANDATORY	NUMBER(16,6)		Not used
PRICE60SECRAISECONTRACT	NUMBER(16,6)		Contract Price for 60 Second Raise
QUANT60SECRAISECONTRACT	NUMBER(16,6)		Contract Quantity for 60 Second Raise
PRICE6SECLOWERMANDATORY	NUMBER(16,6)		Not used
QUANT6SECLOWERMANDATORY	NUMBER(16,6)		Not used
PRICE6SECLOWERCONTRACT	NUMBER(16,6)		Contract Price for 6 Second Lower
QUANT6SECLOWERCONTRACT	NUMBER(16,6)		Contract Quantity for 6 Second Lower
PRICE60SECLOWERMANDATORY	NUMBER(16,6)		Not used
QUANT60SECLOWERMANDATORY	NUMBER(16,6)		Not used

PRICE60SECLOWERCONTRACT	NUMBER(16,6)		Contract Price for 60 Second Lower
QUANT60SECLOWERCONTRACT	NUMBER(16,6)		Contract Quantity for 60 Second Lower
DEADBANDUP	NUMBER(4,2)		Raise Deadband
DEADBANDDOWN	NUMBER(4,2)		Lower Deadband
DROOP6SECRAISEBREAKPOINT	NUMBER(9,6)		Droop Equation Raise 6 Second Breakpoint
DROOP6SECRAISECAPACITY	NUMBER(9,6)		Droop Equation Raise 6 Second Capacity
DROOP6SECRAISEMAX	NUMBER(9,6)		Droop Equation Raise 6 Second Maximum
DROOP60SECRAISEBREAKPOINT	NUMBER(9,6)		Droop Equation Raise 60 Second Breakpoint
DROOP60SECRAISECAPACITY	NUMBER(9,6)		Droop Equation Raise 60 Second Capacity
DROOP60SECRAISEMAX	NUMBER(9,6)		Droop Equation Raise 60 Second Maximum
DROOP6SECLOWERBREAKPOINT	NUMBER(9,6)		Droop Equation Lower 6 Second Breakpoint
DROOP6SECLOWERMAX	NUMBER(9,6)		Droop Equation Lower 6 Second Maximum
DROOP60SECLOWERBREAKPOINT	NUMBER(9,6)		Droop Equation Lower 60 Second Breakpoint
DROOP60SECLOWERMAX	NUMBER(9,6)		Droop Equation Lower 60 Second Maximum
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was authorised
LASTCHANGED	DATE		Last date and time record changed

28.35 Table: CONTRACTRESERVEFLAG

28.35.1 CONTRACTRESERVEFLAG

Name	CONTRACTRESERVEFLAG
Comment	CONTRACTRESERVEFLAG has never been or will be used. It was to show a period by period flag for regional or market recovery of reserve trading contract amounts.

28.35.2 Description

CONTRACTRESERVEFLAG data is confidential to the relevant participant.

Source

CONTRACTRESERVEFLAG updates when we want to enter a reserve contract.

28.35.3 Notes

Name	Comment	Value
Visibility		Private

28.35.4 Primary Key Columns

Name
CONTRACTID
PERIODID
VERSIONNO

28.35.5 Index Columns

Name
LASTCHANGED

28.35.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Reserve Trader Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Reserve Trader Contract Version
PERIODID	NUMBER(3,0)	X	Calendar settlement date period identifier, i.e. period 1 is 00:30
RCF	CHAR(1)		Reserve Recovery Flag
LASTCHANGED	DATE		Last date and time record changed

28.36 Table: CONTRACTRESERVETHRESHOLD

28.36.1 CONTRACTRESERVETHRESHOLD

Name	CONTRACTRESERVETHRESHOLD
Comment	CONTRACTRESERVETHRESHOLD shows reserve contract threshold details for enabling, usage and availability thresholds and rates for reserve trader contracts.

28.36.2 Description

CONTRACTRESERVETHRESHOLD data is confidential to the relevant participant.

Source

CONTRACTRESERVETHRESHOLD updates when reserve contracts are first entered or updated.

28.36.3 Notes

Name	Comment	Value
Visibility		Private

28.36.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

28.36.5 Index Columns

Name
LASTCHANGED

28.36.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier

VERSIONNO	NUMBER(3,0)	X	Contract Version
CRA	NUMBER(16,6)		Availability Rate $
CRE	NUMBER(16,6)		Enabling Rate $
CRU	NUMBER(16,6)		Usage Rate $
CTA	NUMBER(16,6)		Availability Threshold MW/h
CTE	NUMBER(16,6)		Enabling Threshold MW/h
CTU	NUMBER(16,6)		Usage Threshold MW/h
AUTHORISEDBY	VARCHAR2(15)		User name
AUTHORISEDDATE	DATE		Date contract was authorised
LASTCHANGED	DATE		Last date and time record changed

28.37 Table: CONTRACTRESERVETRADER

28.37.1 CONTRACTRESERVETRADER

Name	CONTRACTRESERVETRADER
Comment	CONTRACTRESERVETRADER shows reserve trader contract details. Version numbers do not apply as contracts exist for specified purposes.

28.37.2 Description

CONTRACTRESERVETRADER data is confidential to the relevant participant.

Source

CONTRACTRESERVETRADER updates when reserve trader activities occur.

28.37.3 Notes

Name	Comment	Value
Visibility		Private

28.37.4 Primary Key Columns

Name

CONTRACTID

28.37.5 Index Columns

Name

LASTCHANGED

28.37.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Reserve Trader Contract Identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Terminate Date of contract
STARTPERIOD	NUMBER(3,0)		Starting period of contract
ENDPERIOD	NUMBER(3,0)		Terminate period of contract based on calendar date.
DEREGISTRATIONDATE	DATE		De-registration date of contract; Not Used
DEREGISTRATIONPERIOD	NUMBER(3,0)		De-registration period of contract; Not Used
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
LASTCHANGED	DATE		Last date and time record changed
REGIONID	VARCHAR2(10)		Region Identifier

28.38 Table: CONTRACTUNITLOADING

28.38.1 CONTRACTUNITLOADING

Name CONTRACTUNITLOADING

Comment	CONTRACTUNITLOADING became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126. CONTRACTUNITLOADING shows Unit Loading contract details used in the settlement and dispatch of this service.

28.38.2 Description

CONTRACTUNITLOADING is confidential to participants.

Source

CONTRACTUNITLOADING is not in Use - discontinued 30/09/2001; was updated only where there was a contract variation.

28.38.3 Notes

Name	Comment	Value
Visibility		Private

28.38.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

28.38.5 Index Columns

Name
LASTCHANGED

28.38.6 Index Columns

Name
PARTICIPANTID

28.38.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No.
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Termination Date of Contract
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
RPRICE	NUMBER(10,2)		Enabling Price
SUPRICE	NUMBER(10,2)		Usage Price
CCPRICE	NUMBER(10,2)		Compensation Cap
ACR	NUMBER(10,2)		Available Control Range
BS	NUMBER(10,2)		Block Size of Unit
PP	NUMBER(10,2)		Estimated Price for supply
EU	NUMBER(10,2)		Estimated Power consumption of unit when enabled for RGUL
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was authorised
LASTCHANGED	DATE		Last date and time record changed

28.39 Table: CONTRACTUNITUNLOADING

28.39.1 CONTRACTUNITUNLOADING

Name CONTRACTUNITUNLOADING

Comment CONTRACTUNITUNLOADING shows Ancillary Service contract data for rapid generator unit unloading.

28.39.2 Description

CONTRACTUNITUNLOADING data is confidential to relevant participants.

Source

CONTRACTUNITUNLOADING updates only where there is a contract variation.

28.39.3 Notes

Name	Comment	Value
Visibility		Private

28.39.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

28.39.5 Index Columns

Name
PARTICIPANTID

28.39.6 Index Columns

Name
LASTCHANGED

28.39.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Contract Version No.
STARTDATE	DATE		Starting Date of Contract

ENDDATE	DATE		Termination Date of Contract
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
RPRICE	NUMBER(10,2)		Enabling Price
SUPRICE	NUMBER(10,2)		Usage Price
CCPRICE	NUMBER(10,2)		Compensation Cap
AUTHORISEDBY	VARCHAR2(15)		User Name
AUTHORISEDDATE	DATE		Date Contract was Authorised
LASTCHANGED	DATE		Last date and time record changed

28.40 Table: DAYOFFER

28.40.1 DAYOFFER

Name	DAYOFFER
Comment	DAYOFFER sets out the participants' daily components of participant bid containing details applying for the whole day (such as prices, daily energy constraint and fast start profiles). To retrieve full bid details, read in conjunction with PEROFFER.

28.40.2 Description

DAYOFFER data is confidential to the submitting participant until made public after 4am the next day. The table DAYOFFER_D is quite distinct, with same field names (see DAYOFFER_D).

28.40.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.40.4 Primary Key Columns

Name
DUID

OFFERDATE

SETTLEMENTDATE

VERSIONNO

28.40.5 Index Columns

Name

LASTCHANGED

28.40.6 Index Columns

Name

DUID

LASTCHANGED

28.40.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:00am
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
VERSIONNO	NUMBER(3,0)	X	Version no. for given offer date
OFFERDATE	DATE	X	Offer date of data
SELFCOMMITFLAG	VARCHAR2(1)		Not used
DAILYENERGYCONSTRAINT	NUMBER(12,6)		Maximum energy available from Energy Constrained Plant.
ENTRYTYPE	VARCHAR2(20)		Daily or Rebid
CONTINGENCYPRICE	NUMBER(9,2)		Not used
REBIDEXPLANATION	VARCHAR2(64)		Explanation for all rebids and inflexibilities
BANDQUANTISATIONID	NUMBER(2,0)		Not used

PRICEBAND1	NUMBER(9,2)		Price for Availability Band 1
PRICEBAND2	NUMBER(9,2)		Price for Availability Band 2
PRICEBAND3	NUMBER(9,2)		Price for Availability Band 3
PRICEBAND4	NUMBER(9,2)		Price for Availability Band 4
PRICEBAND5	NUMBER(9,2)		Price for Availability Band 5
PRICEBAND6	NUMBER(9,2)		Price for Availability Band 6
PRICEBAND7	NUMBER(9,2)		Price for Availability Band 7
PRICEBAND8	NUMBER(9,2)		Price for Availability Band 8
PRICEBAND9	NUMBER(9,2)		Price for Availability Band 9
PRICEBAND10	NUMBER(9,2)		Price for Availability Band 10
MAXRAMPUP	NUMBER(9,2)		Not used
MAXRAMPDOWN	NUMBER(9,2)		Not used
MINIMUMLOAD	NUMBER(6,0)		Minimum MW load fast start plant in MW
T1	NUMBER(6,0)		Time to synchronise in minutes
T2	NUMBER(6,0)		Time to minimum load in minutes
T3	NUMBER(6,0)		Time at minimum load in minutes
T4	NUMBER(6,0)		Time to shutdown in minutes
NORMALSTATUS	VARCHAR2(3)		ON/OFF for loads
LASTCHANGED	DATE		Last date and time record changed
MR_FACTOR	NUMBER(16,6)		Mandatory Restriction Price Scaling Factor

28.41 Table: DAYOFFER_D

28.41.1 DAYOFFER_D

Name DAYOFFER_D

Comment DAYOFFER_D sets out the participants' daily components of participant bid containing just the latest details (such as prices, daily energy constraint and fast start profiles).

To retrieve latest bid details, read in conjunction with PEROFFER_D.

28.41.2 Description

Not in Use - discontinued 16/11/2003

DAYOFFER data was confidential to the submitting participant until made public after 4am the next day.
The table DAYOFFER is quite distinct, with same field names (see DAYOFFER).

28.41.3 Notes

Name	Comment	Value
Visibility		Public

28.41.4 Primary Key Columns

Name
DUID
OFFERDATE
SETTLEMENTDATE
VERSIONNO

28.41.5 Index Columns

Name
LASTCHANGED

28.41.6 Index Columns

Name
DUID
LASTCHANGED

28.41.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:00am
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
VERSIONNO	NUMBER(3,0)	X	Version no. for given offer date
OFFERDATE	DATE	X	Offer date of data
SELFCOMMITFLAG	VARCHAR2(1)		Not used
DAILYENERGYCONSTRAINT	NUMBER(12,6)		Maximum energy available from Energy Constrained Plant.
ENTRYTYPE	VARCHAR2(20)		Daily or Rebid
CONTINGENCYPRICE	NUMBER(9,2)		Not used
REBIDEXPLANATION	VARCHAR2(64)		Explanation for all rebids and inflexibilities
BANDQUANTISATIONID	NUMBER(2,0)		Not used
PRICEBAND1	NUMBER(9,2)		Price for Availability Band 1
PRICEBAND2	NUMBER(9,2)		Price for Availability Band 2
PRICEBAND3	NUMBER(9,2)		Price for Availability Band 3
PRICEBAND4	NUMBER(9,2)		Price for Availability Band 4
PRICEBAND5	NUMBER(9,2)		Price for Availability Band 5
PRICEBAND6	NUMBER(9,2)		Price for Availability Band 6
PRICEBAND7	NUMBER(9,2)		Price for Availability Band 7
PRICEBAND8	NUMBER(9,2)		Price for Availability Band 8
PRICEBAND9	NUMBER(9,2)		Price for Availability Band 9
PRICEBAND10	NUMBER(9,2)		Price for Availability Band 10
MAXRAMPUP	NUMBER(9,2)		Not used
MAXRAMPDOWN	NUMBER(9,2)		Not used
MINIMUMLOAD	NUMBER(6,0)		Minimum MW load fast start plant in MW

T1	NUMBER(6,0)		Time to synchronise in minutes
T2	NUMBER(6,0)		Time to minimum load in minutes
T3	NUMBER(6,0)		Time at minimum load in minutes
T4	NUMBER(6,0)		Time to shutdown in minutes
NORMALSTATUS	VARCHAR2(3)		ON/OFF for loads
LASTCHANGED	DATE		Last date and time record changed
MR_FACTOR	NUMBER(6,0)		Mandatory Restriction Price Scaling Factor

28.42 Table: DEFAULTDAYOFFER

28.42.1 DEFAULTDAYOFFER

Name	DEFAULTDAYOFFER
Comment	DEFAULTDAYOFFER shows day-based details of participants' default bids unit for the same day.

28.42.2 Description

Source

Obsolete; was updated only when participant changed their default bid.

28.42.3 Notes

Name	Comment	Value
Visibility		Private

28.42.4 Primary Key Columns

Name
DUID
SETTLEMENTDATE
VERSIONNO

28.42.5 Index Columns

Name

LASTCHANGED

28.42.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:30
DUID	VARCHAR2(10)	X	Dispatchable unit Identifier
VERSIONNO	NUMBER(3,0)	X	Version No for given offer date
SELFCOMMITFLAG	VARCHAR2(1)		Not used
DAILYENERGYCONSTRAINT	NUMBER(12,6)		Maximum energy available from Energy Constrained Plant.
ENTRYTYPE	VARCHAR2(20)		Daily or Rebid
CONTINGENCYPRICE	NUMBER(9,2)		Not used
REBIDEXPLANATION	VARCHAR2(64)		Explanation for all rebids and inflexibilities
BANDQUANTISATIONID	NUMBER(2,0)		Not used
PRICEBAND1	NUMBER(9,2)		Price for Availability Band 1
PRICEBAND2	NUMBER(9,2)		Price for Availability Band 2
PRICEBAND3	NUMBER(9,2)		Price for Availability Band 3
PRICEBAND4	NUMBER(9,2)		Price for Availability Band 4
PRICEBAND5	NUMBER(9,2)		Price for Availability Band 5
PRICEBAND6	NUMBER(9,2)		Price for Availability Band 6
PRICEBAND7	NUMBER(9,2)		Price for Availability Band 7
PRICEBAND8	NUMBER(9,2)		Price for Availability Band 8
PRICEBAND9	NUMBER(9,2)		Price for Availability Band 9

PRICEBAND10	NUMBER(9,2)		Price for Availability Band 10
MAXRAMPUP	NUMBER(9,2)		Not used
MAXRAMPDOWN	NUMBER(9,2)		Not used
MINIMUMLOAD	NUMBER(6,0)		Minimum stable load
T1	NUMBER(6,0)		Time to synchronise in minutes
T2	NUMBER(6,0)		Time to minimum load in minutes
T3	NUMBER(6,0)		Time at minimum load in minutes
T4	NUMBER(6,0)		Time to shut down in minutes
LASTCHANGED	DATE		Last date and time record changed

28.43 Table: DEFAULTOFFERTRK

28.43.1 DEFAULTOFFERTRK

Name DEFAULTOFFERTRK

Comment DEFAULTOFFERTRK shows the file names of default offers submitted for each unit.

28.43.2 Description

Source

Obsolete; was updated only when participant changed their default bid.

28.43.3 Notes

Name	Comment	Value
Visibility		Private

28.43.4 Primary Key Columns

Name

DUID

EFFECTIVEDATE

VERSIONNO

28.43.5 Index Columns

Name

LASTCHANGED

28.43.6 Content

Name	Data Type	Mandatory	Comment
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
EFFECTIVEDATE	DATE	X	Market date default offer file is effective
VERSIONNO	NUMBER(3,0)	X	Version no of file for this date
FILENAME	VARCHAR2(40)		Load File identifier
AUTHORISEDBY	VARCHAR2(15)		User authorising record
AUTHORISEDDATE	DATE		Date record authorised
LASTCHANGED	DATE		Last date and time record changed

28.44 Table: DEFAULTPEROFFER

28.44.1 DEFAULTPEROFFER

Name DEFAULTPEROFFER

Comment DEFAULTPEROFFER shows half hourly period-based data in the default bid for each Dispatchable Unit, such as period availability, rate of change and band quantities.

28.44.2 Description

Source

Obsolete; was updated only when participant changes their default bid.

28.44.3 Notes

Name	Comment	Value
Visibility		Private

28.44.4 Primary Key Columns

Name

DUID

PERIODID

SETTLEMENTDATE

VERSIONNO

28.44.5 Index Columns

Name

LASTCHANGED

28.44.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:30
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
PERIODID	NUMBER(3,0)	X	Market data. Trading Interval number
VERSIONNO	NUMBER(3,0)	X	Version no of the offer file.
SELFDISPATCH	NUMBER(9,6)		Not used
MAXAVAIL	NUMBER(12,6)		Maximum planned availability MW
FIXEDLOAD	NUMBER(9,6)		Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load)

ROCUP	NUMBER(6,0)		Rate of change up MW/min
ROCDOWN	NUMBER(6,0)		Rate of change down MW/min
LASTCHANGED	DATE		Last date and time record changed
BANDAVAIL1	NUMBER(6,0)		Availability at price band 1
BANDAVAIL2	NUMBER(6,0)		Availability at price band 2
BANDAVAIL3	NUMBER(6,0)		Availability at price band 3
BANDAVAIL4	NUMBER(6,0)		Availability at price band 4
BANDAVAIL5	NUMBER(6,0)		Availability at price band 5
BANDAVAIL6	NUMBER(6,0)		Availability at price band 6
BANDAVAIL7	NUMBER(6,0)		Availability at price band 7
BANDAVAIL8	NUMBER(6,0)		Availability at price band 8
BANDAVAIL9	NUMBER(6,0)		Availability at price band 9
BANDAVAIL10	NUMBER(6,0)		Availability at price band 10
PASAAVAILABILITY	NUMBER(12,0)		The physical plant capability including any capability potentially available within 24 hours.

28.45 Table: DELTAMW

28.45.1 DELTAMW

Name DELTAMW

Comment DELTAMW sets out the Frequency Control Ancillary Services (FCAS) requirement to be provided locally within each region and each half-hour period in a market day. Two fields specify Frequency Controlled Ancillary Services requirements to be provided locally for the new regulation ancillary services.

28.45.2 Description

Change Notice 324 (for the FCAS Constraint enhancements project) means that Dispatch no longer utilises the static FCAS requirements defined in the DELTAMW and RESERVE tables. These tables are replaced with constraint data as a source of FCAS requirements.

The name of the table derives from the now obsolete delta MW for participant factors in Queensland.

Source

DELTAMW updates result from action by operational control staff, generally once a day.

Not in Use - discontinued 16/11/2003

28.45.3 Notes

Name	Comment	Value
Visibility		Public

28.45.4 Primary Key Columns

Name
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.45.5 Index Columns

Name
LASTCHANGED

28.45.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:30
VERSIONNO	NUMBER(3,0)	X	Version No of record for this date
REGIONID	VARCHAR2(10)	X	Differentiates this region from all other regions
PERIODID	NUMBER(2,0)	X	Market trading interval from 1 to 48 starting at 04:30
DELTAMW	NUMBER(6,0)		Not Used

LOWER5MIN	NUMBER(6,0)		Lower 5 min local share requirement
LOWER60SEC	NUMBER(6,0)		Lower 60 sec local share requirement
LOWER6SEC	NUMBER(6,0)		Lower 6 sec local share requirement
RAISE5MIN	NUMBER(6,0)		Raise 5 minute local share requirement
RAISE60SEC	NUMBER(6,0)		Raise 60 sec local share requirement
RAISE6SEC	NUMBER(6,0)		Raise 6 sec local share requirement
LASTCHANGED	DATE		Last date and time record changed
RAISEREG	NUMBER(6,0)		Raise Regulation local share requirement
LOWERREG	NUMBER(6,0)		Lower Regulation local share requirement

28.46 Table: DISPATCH_FCAS_REQ

28.46.1 DISPATCH_FCAS_REQ

Name	DISPATCH_FCAS_REQ
Comment	DISPATCH_FCAS_REQ shows Dispatch Constraint tracking for Regional FCAS recovery.

28.46.2 Description

DISPATCH_FCAS_REQ is public data and is available to all participants.

Source

DISPATCH_FCAS_REQ updates with each dispatch run (5 minutes).

Volume

Approximately 10,000 rows per day

28.46.3 Notes

Name	Comment	Value
Visibility		Public

28.46.4 Primary Key Columns

Name

BIDTYPE

GENCONID

INTERVENTION

REGIONID

RUNNO

SETTLEMENTDATE

28.46.5 Index Columns

Name

LASTCHANGED

28.46.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date and time of Dispatch Interval
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERVENTION	NUMBER(2,0)	X	Intervention Flag
GENCONID	VARCHAR2(20)	X	Generic Constraint ID - Join to table GenConData
REGIONID	VARCHAR2(10)	X	
BIDTYPE	VARCHAR2(10)	X	DUID offered type
GENCONEFFECTIVEDATE	DATE		Generic Constraint EffectiveDate - Join to table GenConData
GENCONVERSIONNO	NUMBER(3,0)		Generic Constraint Version number - Join to table GenConData
MARGINALVALUE	NUMBER(16,6)		

LASTCHANGED	DATE		Date record is changed
BASE_COST	NUMBER(18,8)		The base cost of the constraint for this service, before the regulation/contingency split
ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, before the regulation/contingency split
ESTIMATED_CMPF	NUMBER(18,8)		An estimated value for the constraint CMPF, based on dispatched data
ESTIMATED_CRMPF	NUMBER(18,8)		An estimated value for the constraint CRMPF, based on dispatched data
RECOVERY_FACTOR_CMPF	NUMBER(18,8)		Estimated recovery factor for CMPF based recovery
RECOVERY_FACTOR_CRMPF	NUMBER(18,8)		Estimated recovery factor for CRMPF based recovery

28.47 Table: DISPATCHBIDTRK

28.47.1 DISPATCHBIDTRK

Name DISPATCHBIDTRK

Comment DISPATCHBIDTRK shows the bid tracking, including the bid version used in each dispatch run for each unit. DISPATCHBIDTRK is the audit trail of the bid actually used in each dispatch.

28.47.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.47.3 Primary Key Columns

Name

DUID

OFFEREFFECTIVEDATE

OFFERVERSIONNO

RUNNO

SETTLEMENTDATE

28.47.4 Index Columns

Name

LASTCHANGED

28.47.5 Index Columns

Name

DUID

LASTCHANGED

28.47.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no from 1 to 288 (as per bid)
OFFEREFFECTIVEDATE	DATE	X	Effective date of offer used
OFFERVERSIONNO	NUMBER(3,0)	X	Version no of offer used
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
BIDTYPE	VARCHAR2(10)		Bid type (daily, default or rebid)
LASTCHANGED	DATE		Last date and time record changed

28.48 Table: DISPATCHCASE_OCD

28.48.1 DISPATCHCASE_OCD

Name DISPATCHCASE_OCD

Comment	DISPATCHCASE_OCD shows the key data to indicate when an over-constrained dispatch (OCD) re-run actually occurred. One record per over-constrained dispatch interval.

28.48.2 Description

The DISPATCHCASE_OCD data is public.

Source

The occurrences of Over-constrained dispatch (OCD) or binding intra-regional network constraints (BNC) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system. Potentially updated every 5 minutes.

Volume

Rows per day: ~2

Mb per month: <1

The estimates on the number of rows are based on a 1% occurrence rate for OCD runs.

Note

Due to the close dependency with the dispatch process, the OCD and BNC data models use a “CaseSolution” key table in the same manner as the DISPATCHCASESOLUTION table.

28.48.3 Notes

Name	Comment	Value
Visibility		Public

28.48.4 Primary Key Columns

Name
RUNNO
SETTLEMENTDATE

28.48.5 Index Columns

Name
LASTCHANGED

28.48.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	End date and time of the dispatch interval
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
LASTCHANGED	DATE		Last date and time record changed

28.49 Table: DISPATCHCASESOLUTION_BNC

28.49.1 DISPATCHCASESOLUTION_BNC

Name	DISPATCHCASESOLUTION_BNC
Comment	DISPATCHCASESOLUTION_BNC was discontinued on 30 September 2009. Prior: DISPATCHCASESOLUTION_BNC is the key data to indicate when a binding intra-regional network constraints (BNC) re-run actually occurred.

28.49.2 Description

DISPATCHCASESOLUTION_BNC was discontinued on 30 September 2009.

In accordance with the "Arrangements for Managing Risks Associated with Transmission Network Congestion" set of rule changes the Dispatch Binding Network Constraints re-run was discontinued on September 30, 2009.

Source

The occurrences of Over-constrained dispatch (OCD) or binding intra-regional network constraints (BNC) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system. Potentially updated every 5 minutes.

Volume

Rows per day: ~72

Mb per month: 25% of DISPATCHCASESOLUTION

The estimates on the number of rows are based on a 25% occurrence rate for BNC runs.

Note

Due to the close dependency with the dispatch process, the OCD and BNC data models use a “CaseSolution” key table in the same manner as DISPATCHCASESOLUTION.

28.49.3 Notes

Name	Comment	Value
Visibility		Public

28.49.4 Primary Key Columns

Name
INTERVENTION
RUNNO
SETTLEMENTDATE

28.49.5 Index Columns

Name
LASTCHANGED

28.49.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	End date and time of the dispatch interval
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERVENTION	NUMBER(2,0)	X	Manual intervention flag
CASESUBTYPE	VARCHAR2(3)		always BNC
SOLUTIONSTATUS	NUMBER(2,0)		If non-zero indicated one of the following conditions: * 1 = Supply Scarcity, Excess generation or constraint violations * X = Model failure
SPDVERSION	NUMBER(10,3)		Current version of SPD
STARTPERIOD	VARCHAR2(20)		Period identifier of first interval of the case (yyyymmddppp)

NONPHYSICALLOSSES	NUMBER(1,0)		Non-Physical Losses algorithm invoked occurred during this run
TOTALOBJECTIVE	NUMBER(27,10)		The Objective function from the LP
TOTALAREAGENVIOLATION	NUMBER(15,5)		Total Region Demand violations
TOTALINTERCONNECTORVIOLATION	NUMBER(15,5)		Total interconnector violations
TOTALGENERICVIOLATION	NUMBER(15,5)		Total generic constraint violations
TOTALRAMPRATEVIOLATION	NUMBER(15,5)		Total ramp rate violations
TOTALUNITMWCAPACITYVIOLATION	NUMBER(15,5)		Total unit capacity violations
TOTAL5MINVIOLATION	NUMBER(15,5)		Total of 5 minute ancillary service region violations
TOTALREGVIOLATION	NUMBER(15,5)		Total of Regulation ancillary service region violations
TOTAL6SECVIOLATION	NUMBER(15,5)		Total of 6 second ancillary service region violations
TOTAL60SECVIOLATION	NUMBER(15,5)		Total of 60 second ancillary service region violations
TOTALENERGYCONSTRVIOLATION	NUMBER(15,5)		
TOTALENERGYOFFERVIOLATION	NUMBER(15,5)		Total of unit summated offer band violations
TOTALASPROFILEVIOLATION	NUMBER(15,5)		Total of ancillary service trader profile violations
TOTALFASTSTARTVIOLATION	NUMBER(15,5)		Total of fast start trader profile violations
LASTCHANGED	DATE		Last date and time record changed

28.50 Table: DISPATCHLOAD_BNC

28.50.1 DISPATCHLOAD_BNC

Name DISPATCHLOAD_BNC

Comment DISPATCHLOAD_BNC was discontinued on 30 September 2009. Prior: DISPATCHLOAD_BNC gives binding intra-regional network constraints (BNC) re-run dispatch results for all scheduled generating units. DISPATCHLOAD_BNC has a similar structure to DISPATCHLOAD but does not repeat input type data (e.g. InitialMW, AGCStatus) since

these values are available from DISPATCHLOAD.

28.50.2 Description

DISPATCHLOAD_BNC was discontinued on 30 September 2009.

In accordance with the "Arrangements for Managing Risks Associated with Transmission Network Congestion" set of rule changes the Dispatch Binding Network Constraints re-run was discontinued on September 30, 2009.

Source

The occurrences of Over-constrained dispatch (OCD) or binding intra-regional network constraints (BNC) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system. Potentially updated every 5 minutes.

DISPATCHLOAD_BNC shows data produced every 5 minutes for all units when they have over-constrained dispatch, with own data being confidential until the next day.

Volume

Rows per day: ~14000

Mb per month: 25% of DISPATCHLOAD

The basis of estimation on the number of rows is on a 25% occurrence rate for BNC runs

Note

A flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The flag is defined as follows:

Flag Name	Bit	Description	Field value
Enabled	0	The unit is enabled to provide this ancillary service type.	>1
Trapped	1	The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market.	3
Stranded	2	The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service.	4

28.50.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.50.4 Primary Key Columns

Name
DUID
INTERVENTION

RUNNO

SETTLEMENTDATE

28.50.5 Index Columns

Name

LASTCHANGED

28.50.6 Index Columns

Name

DUID

LASTCHANGED

28.50.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	End date and time of the dispatch interval
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
DUID	VARCHAR2(10)	X	Dispatchable unit identifier
INTERVENTION	NUMBER(2,0)	X	Intervention flag if intervention run
CONNECTIONPOINTID	VARCHAR2(12)		Connection point identifier for DUID
DISPATCHMODE	NUMBER(2,0)		Dispatch mode for fast start plant (0 to 4).
TOTALCLEARED	NUMBER(15,5)		Target MW for end of period
RAISEREG	NUMBER(15,5)		Raise Regulation reserve target
RAISE5MIN	NUMBER(15,5)		Raise 5 min reserve target
RAISE60SEC	NUMBER(15,5)		Raise 60 sec reserve target
RAISE6SEC	NUMBER(15,5)		Raise 6 sec reserve target
LOWERREG	NUMBER(15,5)		Lower Regulation reserve target

LOWER5MIN	NUMBER(15,5)		Lower 5 min reserve target
LOWER60SEC	NUMBER(15,5)		Lower 60 sec reserve target
LOWER6SEC	NUMBER(15,5)		Lower 6 sec reserve target
RAISEREGFLAGS	NUMBER(3,0)		Raise Reg status flag
RAISE5MINFLAGS	NUMBER(3,0)		Raise 5min status flag
RAISE60SECFLAGS	NUMBER(3,0)		Raise 60sec status flag
RAISE6SECFLAGS	NUMBER(3,0)		Raise 6sec status flag
LOWERREGFLAGS	NUMBER(3,0)		Lower Reg status flag
LOWER5MINFLAGS	NUMBER(3,0)		Lower 5min status flag
LOWER60SECFLAGS	NUMBER(3,0)		Lower 60sec status flag
LOWER6SECFLAGS	NUMBER(3,0)		Lower 6sec status flag
LASTCHANGED	DATE		Last date and time record changed

28.51 Table: DISPATCHTRK

28.51.1 DISPATCHTRK

Name	DISPATCHTRK
Comment	DISPATCHTRK is no longer used. DISPATCHTRK was the cross-reference between each dispatch run and SPD case run. DISPATCHTRK may be available on the InfoServer but not replicated to participant databases as it contains data duplicated in other tables.

28.51.2 Description

This is a public table, and is available to all participants.

Source

No longer used; discontinued 30/09/2001

28.51.3 Notes

Name	Comment	Value
Visibility		Public

28.51.4 Primary Key Columns

Name

RUNNO

SETTLEMENTDATE

28.51.5 Index Columns

Name

LASTCHANGED

28.51.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date and time starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no, normally 1.
REASON	VARCHAR2(64)		Reason code (if rerun)
SPDRUNNO	NUMBER(3,0)		Case identifier for LP Solver
LASTCHANGED	DATE		Last date and time record changed

28.52 Table: FORCEMAJEURE

28.52.1 FORCEMAJEURE

Name FORCEMAJEURE

Comment FORCEMAJEURE used to set out the start and end dates / periods of any force majeure event. FORCEMAJEURE is not used.

28.52.2 Description

FORCEMAJEURE is a public table, and is available to all participants.

Source

FORCEMAJEURE is not used; was updated if a force majeure event was recorded.

28.52.3 Notes

Name	Comment	Value
Visibility		Public

28.52.4 Primary Key Columns

Name
FMID

28.52.5 Index Columns

Name
LASTCHANGED

28.52.6 Content

Name	Data Type	Mandatory	Comment
FMID	VARCHAR2(10)	X	Force Majeure Identifier
STARTDATE	DATE		Start Date for this event
STARTPERIOD	NUMBER(3,0)		Start Trading Interval for event
ENDDATE	DATE		End Date for this event
ENDPERIOD	NUMBER(3,0)		End Trading Interval for this event
APCSTARTDATE	DATE		APC Start Date
STARTAUTHORISEDBY	VARCHAR2(15)		User authorising start
ENDAUTHORISEDBY	VARCHAR2(15)		User authorising end of event
LASTCHANGED	DATE		Last date and time record changed

28.53 Table: FORCEMAJEUREREGION

28.53.1 FORCEMAJEUREREGION

Name	FORCEMAJEUREREGION
Comment	FORCEMAJEUREREGION used to set out regions impacted by a force majeure event. This table is not used.

28.53.2 Description

FORCEMAJEUREREGION is public data, and is available to all participants.

Source

FORCEMAJEUREREGION is not used; was updated if a force majeure event was recorded.

28.53.3 Notes

Name	Comment	Value
Visibility		Public

28.53.4 Primary Key Columns

Name
FMID
REGIONID

28.53.5 Index Columns

Name
LASTCHANGED

28.53.6 Content

Name	Data Type	Mandatory	Comment
FMID	VARCHAR2(10)	X	Force Majeure ID

REGIONID	VARCHAR2(10)	X	Differentiates this region from all other regions
LASTCHANGED	DATE		Last date and time record changed

28.54 Table: GENUNITMTRINPERIOD

28.54.1 GENUNITMTRINPERIOD

Name	GENUNITMTRINPERIOD
Comment	GENUNITMTRINPERIOD shows meter reading by period for each generator meter. GENUNITMTRINPERIOD covers generated power flowing into the system. It is used to calculate settlement values.

28.54.2 Description

GENUNITMTRINPERIOD data is confidential to the relevant participant.

Source

GENUNITMTRINPERIOD updated only when new meter reading files are submitted by MDAs.

28.54.3 Notes

Name	Comment	Value
Visibility		Private

28.54.4 Primary Key Columns

Name
CONNECTIONPOINTID
LOCAL_RETAILER
MDA
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.54.5 Index Columns

Name

LASTCHANGED

28.54.6 Index Columns

Name

STATIONID

28.54.7 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
SETTLEMENTDATE	DATE	X	Trading date of meter data submitted
VERSIONNO	NUMBER(6,0)	X	Version no of the record for the given effective date
CONNECTIONPOINTID	VARCHAR2(10)	X	Connection Point NMI
PERIODID	NUMBER(3,0)	X	Period number where 1 period ending 00:30 EST
GENUNITID	VARCHAR2(10)		Physical unit ID
STATIONID	VARCHAR2(10)		Station Identifier
IMPORTENERGYVALUE	NUMBER(16,6)		Energy sent to the pool (MWh)
EXPORTENERGYVALUE	NUMBER(16,6)		Energy received from the pool (MWh)
IMPORTREACTIVEVALUE	NUMBER(16,6)		Reactive power sent to the network
EXPORTREACTIVEVALUE	NUMBER(16,6)		Reactive power received from the network
LASTCHANGED	DATE		Last date and time record changed
MDA	VARCHAR2(10)	X	Relevant Metering Data Agent
LOCAL_RETAILER	VARCHAR2(10)	X	Local Retailer for this NMI

28.55 Table: INTCONTRACT

28.55.1 INTCONTRACT

Name	INTCONTRACT
Comment	INTCONTRACT shows intervention contract details. These are specific to each intervention.

28.55.2 Description

INTCONTRACT became unused when Ancillary Services Review was implemented in 2001.

Confidential to participant

Source

INTCONTRACT is unused; was updated as required.

28.55.3 Notes

Name	Comment	Value
Visibility		Private

28.55.4 Primary Key Columns

Name
CONTRACTID

28.55.5 Index Columns

Name
LASTCHANGED

28.55.6 Content

Name	Data Type	Mandatory	Comment

CONTRACTID	VARCHAR2(10)	X	Intervention Contract Identifier
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
STARTDATE	DATE		Starting Date of Contract
ENDDATE	DATE		Terminate Date of contract
STARTPERIOD	NUMBER(3,0)		Starting period of contract
ENDPERIOD	NUMBER(3,0)		Terminate period of contract in trading interval
DEREGISTRATIONDATE	DATE		Not Used
DEREGISTRATIONPERIOD	NUMBER(3,0)		Not Used
LASTCHANGED	DATE		Last changed date/time
REGIONID	VARCHAR2(10)		Region Identifier

28.56 Table: INTCONTRACTAMOUNT

28.56.1 INTCONTRACTAMOUNT

Name	INTCONTRACTAMOUNT
Comment	INTCONTRACTAMOUNT shows intervention contract amounts.

28.56.2 Description

INTCONTRACTAMOUNT became unused when Ancillary Services Review was implemented in 2001.

Confidential to participant

Source

INTCONTRACTAMOUNT updated with intervention contracts settlement calculations.

28.56.3 Notes

Name	Comment	Value
Visibility		Private

28.56.4 Primary Key Columns

Name

CONTRACTID

PERIODID

VERSIONNO

28.56.5 Index Columns

Name

LASTCHANGED

28.56.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Intervention Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Intervention Contract Version
PERIODID	NUMBER(3,0)	X	Period Identifier based on calendar settlement date - YYYYMMDDPP.
AMOUNT	NUMBER(16,6)		Intervention Amount for Trading Interval
RCF	CHAR(1)		Regional Recovery Flag
LASTCHANGED	DATE	X	Last date and time record changed

28.57 Table: INTCONTRACTAMOUNTTRK

28.57.1 INTCONTRACTAMOUNTTRK

Name INTCONTRACTAMOUNTTRK

Comment INTCONTRACTAMOUNTTRK shows the latest valid version of each intervention contract.

28.57.2 Description

INTCONTRACTAMOUNTTRK became unused when Ancillary Services Review was implemented in 2001.

INTCONTRACTAMOUNTTRK is confidential to relevant participant

Source

INTCONTRACTAMOUNTTRK is unused; was updated for contract changes / creation only.

28.57.3 Notes

Name	Comment	Value
Visibility		Private

28.57.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

28.57.5 Index Columns

Name
LASTCHANGED

28.57.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Intervention Contract Identifier
VERSIONNO	NUMBER(3,0)	X	Intervention Contract Version
AUTHORISEDBY	VARCHAR2(15)		User name
AUTHORISEDDATE	DATE		Date contract was authorised
LASTCHANGED	DATE		Last date and time record changed

28.58 Table: INTERCONNMWFLOW

28.58.1 INTERCONNMWFLOW

Name	INTERCONNMWFLOW
Comment	INTERCONNMWFLOW shows Metered Interconnector flow data. INTERCONNMWFLOW shows the meter data provided by Meter Data Providers to MSATS. Despite the name, this view shows metered energy (MWh) and not power flow (MW).

28.58.2 Description

INTERCONNMWFLOW data is public, available to all participants.

Source

INTERCONNMWFLOW updates weekly.

Volume

The volume depends on number of interconnectors and number of loads (versions) from MSATS per settlement run.

28.58.3 Notes

Name	Comment	Value
Visibility		Public

28.58.4 Primary Key Columns

Name
INTERCONNECTORID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.58.5 Index Columns

Name

LASTCHANGED

28.58.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date (based on Trading day, not dispatch day - i.e. period 1 ends 00:30)
VERSIONNO	NUMBER(6,0)	X	Meter Data Version number
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
PERIODID	NUMBER(3,0)	X	Settlement Period identifier (half hour period)
IMPORTENERGYVALUE	NUMBER(15,6)		Imported Energy value (MWh)
EXPORTENERGYVALUE	NUMBER(15,6)		Exported Energy value (MWh)
LASTCHANGED	DATE		Record creation timestamp

28.59 Table: MARKETSUSPENSION

28.59.1 MARKETSUSPENSION

Name MARKETSUSPENSION

Comment MARKETSUSPENSION is obsolete from 2017 End of Year DM4.27 Release.

MARKETSUSPENSION sets out a start and end periods of any market suspension and the reason.

28.59.2 Description

MARKETSUSPENSION is public data, so is available to all participants.

Source

MARKETSUSPENSION updates only if market is suspended.

28.59.3 Notes

Name Comment Value

Visibility Public

28.59.4 Primary Key Columns

Name

SUSPENSIONID

28.59.5 Index Columns

Name

LASTCHANGED

28.59.6 Content

Name	Data Type	Mandatory	Comment
SUSPENSIONID	VARCHAR2(10)	X	Unique identifier for suspension
STARTDATE	DATE		Start date of suspension
STARTPERIOD	NUMBER(3,0)		Start trading interval of suspension
ENDDATE	DATE		End Date of suspension
ENDPERIOD	NUMBER(3,0)		End trading interval of suspension
REASON	VARCHAR2(64)		Reason for suspension
STARTAUTHORISEDBY	VARCHAR2(15)		User authorising start
ENDAUTHORISEDBY	VARCHAR2(15)		User authorising end
LASTCHANGED	DATE		Last date and time record changed

28.60 Table: MARKETSUSREGION

28.60.1 MARKETSUSREGION

Name MARKETSUSREGION

Comment	MARKETSUSREGION is obsolete from 2017 End of Year DM4.27 Release. MARKETSUSREGION sets out a regions affected by a market suspension.

28.60.2 Description

MARKETSUSREGION is public data, so is available to all participants.

Source

MARKETSUSREGION updates only if market is suspended.

28.60.3 Notes

Name	Comment	Value
Visibility		Public

28.60.4 Primary Key Columns

Name
REGIONID
SUSPENSIONID

28.60.5 Index Columns

Name
LASTCHANGED

28.60.6 Content

Name	Data Type	Mandatory	Comment
SUSPENSIONID	VARCHAR2(10)	X	Unique identifier of suspension
REGIONID	VARCHAR2(10)	X	Differentiates this region from all other regions
LASTCHANGED	DATE		Last date and time record changed

28.61 Table: MAS_CP_CHANGE

28.61.1 MAS_CP_CHANGE

Name	MAS_CP_CHANGE
Comment	MAS_CP_CHANGE records pending changes to the current MAS configuration.

28.61.2 Description

Obsolete; Replaced by MSATS

Source

MAS_CP_CHANGE updates daily with each MAS export.

Note

Expiry date: When the Expiry date on a change record is reached, the change record is deleted.

Meter Read Date: only used in specific circumstances. For more details, refer to MAS documentation. The meter read date is not cleared if it becomes unusable (e.g. due to change of Metering Type or the passage of time).

28.61.3 Notes

Name	Comment	Value
Visibility		Private

28.61.4 Primary Key Columns

Name
NMI

28.61.5 Index Columns

Name
LASTCHANGED

28.61.6 Content

Name	Data Type	Mandatory	Comment
NMI	VARCHAR2(10)	X	National Metering Identifier
STATUS_FLAG	VARCHAR2(1)		Active/Inactive flag
CP_OLD_SECURITY_CODE	VARCHAR2(4)		Old Security Code
CP_NEW_SECURITY_CODE	VARCHAR2(4)		New Security Code
OLD_LOCAL_NETWORK_PROVIDER	VARCHAR2(10)		Old Local Network Provider
OLD_LOCAL_RETAILER	VARCHAR2(10)		Old Local Retailer
OLD_FINANCIAL_PARTICIPANT	VARCHAR2(10)		Old FRMP
OLD_METERING_DATA_AGENT	VARCHAR2(10)		Old Metering Data Agent
OLD_RETAILER_OF_LAST_RESORT	VARCHAR2(10)		Old Retailer of Last Resort
OLD_RESPONSIBLE_PERSON	VARCHAR2(10)		Old Responsible Person
NEW_LOCAL_NETWORK_PROVIDER	VARCHAR2(10)		New Local Network Provider
NEW_LOCAL_RETAILER	VARCHAR2(10)		New Local Retailer
NEW_FINANCIAL_PARTICIPANT	VARCHAR2(10)		New FRMP
NEW_METERING_DATA_AGENT	VARCHAR2(10)		New Metering Data Agent
NEW_RETAILER_OF_LAST_RESORT	VARCHAR2(10)		New Retailer of Last Resort
NEW_RESPONSIBLE_PERSON	VARCHAR2(10)		New Responsible Person
OLD_LNSP_OK	VARCHAR2(1)		Old LNSP approval flag
OLD_LR_OK	VARCHAR2(1)		Old LR approval flag
OLD_FRMP_OK	VARCHAR2(1)		Old FRMP approval flag
OLD_MDA_OK	VARCHAR2(1)		Old MDA approval flag
OLD_ROLR_OK	VARCHAR2(1)		Old ROLR approval flag
OLD_RP_OK	VARCHAR2(1)		Old RP approval flag
NEW_LNSP_OK	VARCHAR2(1)		New LNSP approval flag
NEW_LR_OK	VARCHAR2(1)		New LR approval flag

NEW_FRMP_OK	VARCHAR2(1)		New FRMP approval flag
NEW_MDA_OK	VARCHAR2(1)		New MDA approval flag
NEW_ROLR_OK	VARCHAR2(1)		New ROLR approval flag
NEW_RP_OK	VARCHAR2(1)		New RP approval flag
PRUDENTIAL_OK	VARCHAR2(1)		Prudential check flag
INITIAL_CHANGE_DATE	DATE		Initial change date
CURRENT_CHANGE_DATE	DATE		Current change date
CP_NAME	VARCHAR2(30)		Connection point name
CP_DETAIL_1	VARCHAR2(30)		Connection point detail 1
CP_DETAIL_2	VARCHAR2(30)		Connection point detail 2
CITY_SUBURB	VARCHAR2(30)		Connection point City/Suburb
STATE	VARCHAR2(3)		State of Australia
POST_CODE	VARCHAR2(4)		Connection point postcode
TX_NODE	VARCHAR2(4)		Connection point TNI
AGGREGATE_DATA	VARCHAR2(1)		Aggregate data Flag (YIN)
AVERAGE_DAILY_LOAD_KWH	NUMBER(8,0)		Average Daily load in KWh
DISTRIBUTION_LOSS	NUMBER(5,4)		Distribution loss factors
OLD_LSNP_TEXT	VARCHAR2(30)		Old LNSP text field (LNSP misspelt in name)
OLD_LR_TEXT	VARCHAR2(30)		Old LR text field
OLD_FRMP_TEXT	VARCHAR2(30)		Old FRMP text field
OLD_MDA_TEXT	VARCHAR2(30)		Old MDA text field
OLD_ROLR_TEXT	VARCHAR2(30)		Old ROLR text field
OLD_RP_TEXT	VARCHAR2(30)		Old RP text field
NEW_LSNP_TEXT	VARCHAR2(30)		New LNSP text field (LNSP misspelt in name)
NEW_LR_TEXT	VARCHAR2(30)		New LR text field
NEW_FRMP_TEXT	VARCHAR2(30)		New FRMP text field

NEW_MDA_TEXT	VARCHAR2(30)		New MDA text field
NEW_ROLR_TEXT	VARCHAR2(30)		New ROLR text field
NEW_RP_TEXT	VARCHAR2(30)		New RP text field
LASTCHANGED	DATE		Last changed date.
NMI_CLASS	VARCHAR2(9)		Class of National Metering Identifier to allow for different business rules to apply
METERING_TYPE	VARCHAR2(9)		Type of metering installation (e.g. BASIC, MRIM, COMMS)
JURISDICTION	VARCHAR2(3)		Area; for application of rules
CREATE_DATE	DATE		Set by the system with today's date when the change record is created.
EXPIRY_DATE	DATE		Set by the system (and cannot be changed).
METER_READ_DATE	DATE		Date of meter reading

28.62 Table: MAS_CP_MASTER

28.62.1 MAS_CP_MASTER

Name MAS_CP_MASTER

Comment MAS_CP_MASTER shows the current MAS configuration.

28.62.2 Description

Obsolete; Replaced by MSATS

Source

MAS_CP_MASTER updates daily with each MAS export.

Note

In_Use Value	Meaning
Y	ACTIVE
N	CLOSED
X	EXTINCT

28.62.3 Notes

Name	Comment	Value
Visibility		Private

28.62.4 Primary Key Columns

Name

NMI

VALID_FROM_DATE

28.62.5 Primary Key Columns

Name

NMI

VALID_TO_DATE

28.62.6 Index Columns

Name

LASTCHANGED

28.62.7 Content

Name	Data Type	Mandatory	Comment
NMI	VARCHAR2(10)	X	National Metering Identifier
CP_SECURITY_CODE	VARCHAR2(4)		Security Code
IN_USE	VARCHAR2(1)		Active/Inactive Status flag (NEW/N/Y/X)
VALID_FROM_DATE	DATE	X	Record valid from date
VALID_TO_DATE	DATE	X	Record valid to date
LOCAL_NETWORK_PROVIDER	VARCHAR2(10)		LNSP

LOCAL_RETAILER	VARCHAR2(10)		Local Retailer
FINANCIAL_PARTICIPANT	VARCHAR2(10)		FRMP
METERING_DATA_AGENT	VARCHAR2(10)		MDA
RETAILER_OF_LAST_RESORT	VARCHAR2(10)		ROLR
RESPONSIBLE_PERSON	VARCHAR2(10)		Responsible Person
CP_NAME	VARCHAR2(30)		Connection point name
CP_DETAIL_1	VARCHAR2(30)		Connection point detail 1
CP_DETAIL_2	VARCHAR2(30)		Connection point detail 2
CITY_SUBURB	VARCHAR2(30)		Connection point city/suburb
STATE	VARCHAR2(3)		State of Australia
POST_CODE	VARCHAR2(4)		Connection point postcode
TX_NODE	VARCHAR2(4)		Connection point TNI
AGGREGATE_DATA	VARCHAR2(1)		Aggregate data flag (YIN)
AVERAGE_DAILY_LOAD_KWH	NUMBER(8,0)		Average daily load in KWh
DISTRIBUTION_LOSS	NUMBER(5,4)		Distribution loss factor
LSNP_TEXT	VARCHAR2(30)		LNSP text field (name has misspelt LNSP)
LR_TEXT	VARCHAR2(30)		LR text field
FRMP_TEXT	VARCHAR2(30)		FRMP text field
MDA_TEXT	VARCHAR2(30)		MDA text field
ROLR_TEXT	VARCHAR2(30)		ROLR text field
RP_TEXT	VARCHAR2(30)		RP text field
LASTCHANGED	DATE		Last changed date
NMI_CLASS	VARCHAR2(9)		
METERING_TYPE	VARCHAR2(9)		
JURISDICTION	VARCHAR2(3)		

28.63 Table: METERDATA

28.63.1 METERDATA

Name	METERDATA
Comment	METERDATA sets out a meter data for each customer connection point. METERDATA covers market load. Use the field METERRUNNO to match the meter data version for each settlement run.

28.63.2 Description

METERDATA data is confidential to the relevant participant.

Source

METERDATA updates whenever meter files are processed from MSATS.

Volume

Depends on number of TNI, FRMP, LR combinations and number of data file loads (versions) from MSATS per settlement run.

28.63.3 Notes

Name	Comment	Value
Visibility		Private

28.63.4 Primary Key Columns

Name
CONNECTIONPOINTID
HOSTDISTRIBUTOR
MDA
METERRUNNO
PARTICIPANTID
PERIODID
SETTLEMENTDATE

28.63.5 Index Columns

Name

LASTCHANGED

28.63.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PERIODID	NUMBER(3,0)	X	Settlement period identifier (half hour period)
SETTLEMENTDATE	DATE	X	Settlement date
METERRUNNO	NUMBER(6,0)	X	Data version no
CONNECTIONPOINTID	VARCHAR2(10)	X	Transmission Node Identifier (TNI). Identifies a Transmission NetworkConnection Point.
IMPORTENERGYVALUE	NUMBER(9,6)		Imported energy value (MWh)
EXPORTENERGYVALUE	NUMBER(9,6)		Exported energy value (MWh)
IMPORTREACTIVEVALUE	NUMBER(9,6)		Not used
EXPORTREACTIVEVALUE	NUMBER(9,6)		Not used
HOSTDISTRIBUTOR	VARCHAR2(10)	X	Local Retailer participant identifier
LASTCHANGED	DATE		Last date and time record changed
MDA	VARCHAR2(10)	X	Defaults to MSATS

28.64 Table: METERDATA_GEN_DUID

28.64.1 METERDATA_GEN_DUID

Name METERDATA_GEN_DUID

Comment Recorded actual generation of non-scheduled units where SCADA data is available.

28.64.2 Notes

Name	Comment	Value
Visibility		Public

28.64.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

28.64.4 Index Columns

Name

LASTCHANGED

28.64.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	date	X	Timestamp of the recorded interval
DUID	varchar2(10)	X	Unit ID
MWH_READING	number(18,8)		MW reading
LASTCHANGED	date		Timestamp of last record change

28.65 Table: METERDATA_TRK

28.65.1 METERDATA_TRK

Name	METERDATA_TRK
Comment	Tracking table for the publication of wholesale settlement data associated with BILLING run

28.65.2 Notes

Name	Comment	Value
Visibility		Public

28.65.3 Primary Key Columns

Name
CASE_ID

28.65.4 Index Columns

Name
CASE_ID

28.65.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	NUMBER(15,0)	X	Case Identifier
AGGREGATE_READS_LOAD_DATETIME	DATE		Timestamp of the aggregated reads being loaded for this case
INDIVIDUAL_READS_LOAD_DATETIME	DATE		Timestamp of the non aggregated reads being loaded for this case
STARTDATE	DATE		The start date of data associated with the CASE_ID
ENDDATE	DATE		The end date of data associated with the Case_ID
LASTCHANGED	DATE		Last changed date for the record

28.66 Table: METERDATATRK

28.66.1 METERDATATRK

Name	METERDATATRK
Comment	METERDATATRK records meter data files submitted for each connection point on a daily basis. The same data is provided in METERDATA period by period (i.e. 48 records), whereas METERDATATRK shows one record per day for each file submitted for a connection point.

28.66.2 Description

METERDATATRK data is confidential to the relevant participant.

Source

METERDATATRK updates whenever meter files are processed.

Volume

Depends on the number of TNI, FRMP and LR combinations plus the number of data file loads (versions) from MSATS per settlement run.

28.66.3 Notes

Name	Comment	Value
Visibility		Private

28.66.4 Primary Key Columns

Name
CONNECTIONPOINTID
HOSTDISTRIBUTOR
METERINGDATAAGENT
METERRUNNO
PARTICIPANTID
SETTLEMENTDATE

28.66.5 Index Columns

Name

LASTCHANGED

28.66.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement calendar date
METERRUNNO	NUMBER(6,0)	X	Meter data version number
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
FILENAME	VARCHAR2(40)		Meter file name (MSATS file name)
ACKFILENAME	VARCHAR2(40)		Not used
CONNECTIONPOINTID	VARCHAR2(10)	X	Transmission Node Identifier (TNI)
AUTHORISEDDATE	DATE		Date processed
AUTHORISEDBY	VARCHAR2(15)		Not used
METERINGDATAAGENT	VARCHAR2(10)	X	Defaults to MSATS
HOSTDISTRIBUTOR	VARCHAR2(10)	X	Local retailer participant identifier
LASTCHANGED	DATE		Last date and time record changed

28.67 Table: MNSP_FILETRK

28.67.1 MNSP_FILETRK

Name MNSP_FILETRK

Comment MNSP_FILETRK shows all MNSPOFFERS transmitted to the MMS system.

28.67.2 Description

MNSP_FILETRK is confidential to the relevant participant.

Source

MNSP_FILETRK updates for every submitted MNSP bid.

Volume

4000 per year, being one per bid containing an MNSP bid

28.67.3 Notes

Name	Comment	Value
Visibility		Private

28.67.4 Primary Key Columns

Name
FILENAME
OFFERDATE
PARTICIPANTID
SETTLEMENTDATE

28.67.5 Index Columns

Name
LASTCHANGED

28.67.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market Date from which bid is active
OFFERDATE	DATE	X	The actual date and time the bid file was submitted by the participant

PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
FILENAME	VARCHAR2(40)	X	File name for default bids, bids, rebids, re-offers or meter files, as appropriate to table
STATUS	VARCHAR2(10)		Load status [SUCCESSFUL/CORRUPT]
ACKFILENAME	VARCHAR2(40)		Acknowledge file name for bids, rebids
LASTCHANGED	DATE		Last date and time record changed

28.68 Table: MNSP_OFFERTRK

28.68.1 MNSP_OFFERTRK

Name	MNSP_OFFERTRK
Comment	MNSP_OFFERTRK records all valid MNSPOFFERS loaded into the MMS system. The authorised date reflects the date and time of the load. MNSP_OFFERTRK is key for tracking MNSP bid submission.

28.68.2 Description

MNSP_OFFERTRK shows own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

Volume

4000 per year

28.68.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.68.4 Primary Key Columns

Name
FILENAME
OFFERDATE
PARTICIPANTID

SETTLEMENTDATE

VERSIONNO

28.68.5 Index Columns

Name

LASTCHANGED

28.68.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	
OFFERDATE	DATE	X	
VERSIONNO	NUMBER(3,0)	X	
PARTICIPANTID	VARCHAR2(10)	X	
FILENAME	VARCHAR2(40)	X	
AUTHORISEDDATE	DATE		
AUTHORISEDBY	VARCHAR2(15)		
LASTCHANGED	DATE		

28.69 Table: MNSP_PEROFFER

28.69.1 MNSP_PEROFFER

Name MNSP_PEROFFER

Comment MNSP_PEROFFER shows period by period availability and other period data pertaining to a specific bid and LinkID for the given Settlement Date.

MNSP_PEROFFER is a child to MNSP_DAYOFFER and links to MNSP_OFFERTRK.

28.69.2 Description

MNSP_PEROFFER shows own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

Volume

192, 000 per year

28.69.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.69.4 Primary Key Columns

Name
LINKID
OFFERDATE
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.69.5 Index Columns

Name
LASTCHANGED

28.69.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market Date from which bid is active
OFFERDATE	DATE	X	Offer date for bid

VERSIONNO	NUMBER(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
LINKID	VARCHAR2(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
PERIODID	NUMBER(22,0)	X	Trading Interval number
MAXAVAIL	NUMBER(6,0)		Maximum planned availability MW
BANDAVAIL1	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL2	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL3	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL4	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL5	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL6	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL7	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL8	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL9	NUMBER(6,0)		Band Availability for current Period
BANDAVAIL10	NUMBER(6,0)		Band Availability for current Period
LASTCHANGED	DATE		Last date and time record changed
FIXEDLOAD	NUMBER(12,6)		Inflexibility flag and availability. Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load)
RAMPUPRATE	NUMBER(6,0)		Ramp rate (MW / min) in the positive direction of flow for this MNSP link for this half-hour period
PASAAVAILABILITY	NUMBER(12,0)		Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours
MR_CAPACITY	NUMBER(6,0)		Mandatory Restriction Offer amount

28.70 Table: MR_DAYOFFER_STACK

28.70.1 MR_DAYOFFER_STACK

Name	MR_DAYOFFER_STACK
Comment	MR_DAYOFFER_STACK defines the Stack order for each version of the Acceptance Schedule, including all units submitting MR offers for that event. MR_DAYOFFER_STACK is the child to MR_EVENT_SCHEDULE, and parent to MR_PEROFFER_STACK.

28.70.2 Description

Once the offer cut off time has passed and as the schedule changes AEMO is obliged to accept MR capacity to meet the schedule in merit order according to the offers submitted. The relationship to a specific schedule, the merit order of submitted offers and accepted quantities for each trading interval are stored in the MR_EVENT_SCHEDULE, MR_DAYOFFER_STACK and MR_PEROFFER_STACK.

MR_DAYOFFER_STACK sets includes all generators/MNSPs in the region that submitted an MR offer and a primary key reference to the Offer tables to identify the specific offer used for that unit. MR_DAYOFFER_STACK also includes a Stack Order, irrespective of whether the unit is required to meet the Schedule.

MR_DAYOFFER_STACK updates are confidential on day of submission, with public exposure the next day.

Source

MR_DAYOFFER_STACK updates are ad hoc.

Volume

100 rows per year

28.70.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.70.4 Primary Key Columns

Name
MR_DATE
REGIONID
STACK_POSITION
VERSION_DATETIME

28.70.5 Index Columns

Name

LASTCHANGED

28.70.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	DATE	X	Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique RegionID
VERSION_DATETIME	DATE	X	Allows many Stack versions
STACK_POSITION	NUMBER(3,0)	X	Loss Adjusted Offer Factor Stack order starting at 1
DUID	VARCHAR2(10)		Dispatchable Unit ID or LinkID
AUTHORISED	NUMBER(1,0)		Confirms the unit is allowed to Contribute MR Capacity
OFFER_SETTLEMENTDATE	DATE		Foreign key reference to XXXX_DayOffer.SettlementDate
OFFER_OFFERDATE	DATE		Foreign key reference to XXXX_DayOffer.OfferDate
OFFER_VERSIONNO	NUMBER(3,0)		Foreign key reference to XXXX_DayOffer.VersionNo
OFFER_TYPE	VARCHAR2(20)		Source tables - ENERGY or MNSP
LAOF	NUMBER(16,6)		Loss Adjusted Offer Factor = TLF times MR_Factor
LASTCHANGED	DATE		Date and time the record was last inserted/modified

28.71 Table: MR_EVENT

28.71.1 MR_EVENT

Name	MR_EVENT
Comment	MR_EVENT defines an MR Event for a given region on a specific trading date.

28.71.2 Description

MR_EVENT defines a mandatory restriction event for a given region and trading date (04:30 to 04:00). Data within MR_EVENT includes the cut-off time for submission of MR offers for this event and a notification that the settlements figures are locked due to results from an independent expert being engaged to allocate settlement of a significant shortfall. If mandatory restrictions are defined in two regions on the same trading day, two MR events are defined.

MR_EVENT data is public, so is available to all participants.

Source

MR_EVENT updates are ad hoc.

Volume

1 Row per year

28.71.3 Notes

Name	Comment	Value
Visibility		Public

28.71.4 Primary Key Columns

Name
MR_DATE
REGIONID

28.71.5 Index Columns

Name
LASTCHANGED

28.71.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	DATE	X	Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique RegionID
DESCRIPTION	VARCHAR2(200)		Description of MR
AUTHORISEDDATE	DATE		Required for MR_Event to take effect
AUTHORISEDBY	VARCHAR2(20)		Ignored - Tracking purpose only
OFFER_CUT_OFF_TIME	DATE		Cut off after when new Offers and Scaling Factor changes are disallowed
SETTLEMENT_COMPLETE	NUMBER(1,0)		Flag:1 = MR settlement figures locked. Do not recalculate, · 0 = MR settlements to be recalculated
LASTCHANGED	DATE		Date/Time record inserted/modified

28.72 Table: MR_EVENT_SCHEDULE

28.72.1 MR_EVENT_SCHEDULE

Name	MR_EVENT_SCHEDULE
Comment	MR_EVENT_SCHEDULE defines the Stack version of the Acceptance Schedule and is the parent table to MR_DayOffer_Stack and MR_PerOffer_Stack.

28.72.2 Description

Once the offer cut off time has passed and as the schedule changes AEMO is obliged to accept MR capacity to meet the schedule in merit order according to the offers submitted. The relationship to a specific schedule, the merit order of submitted offers and accepted quantities for each trading interval are stored in the MR_Event_Schedule, MR_DayOffer_Stack and MR_PerOffer_Stack table.

The MR_EVENT_SCHEDULE table determines the existence of an MR offer acceptance stack for a specific MR schedule of an MR event. The MR_EVENT_SCHEDULE table also tracks the time each stack is exercised. MR_EVENT_SCHEDULE is public and notifies the market that a new offer stack has been created.

Source

MR_EVENT_SCHEDULE updates are ad hoc.

Volume

2 Rows per year

28.72.3 Notes

Name	Comment	Value
Visibility		Public

28.72.4 Primary Key Columns

Name
MR_DATE
REGIONID
VERSION_DATETIME

28.72.5 Index Columns

Name
LASTCHANGED

28.72.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	DATE	X	Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique RegionID
VERSION_DATETIME	DATE	X	Effective Date/Time of Schedule; Allows many Stack versions
DEMAND_EFFECTIVEDATE	DATE		Foreign key reference to ResDemandTrk.EffectiveDate
DEMAND_OFFERDATE	DATE		Foreign key reference to ResDemandTrk.OfferDate
DEMAND_VERSIONNO	NUMBER(3,0)		Foreign key reference to

			ResDemandTrk.VersionNo
AUTHORISEDBY	VARCHAR2(20)		Authorised person confirming Offer Stack (AKA Acceptance)
AUTHORISEDDATE	DATE		Date and time the Offer Stack confirmed
LASTCHANGED	DATE		Date and time the record was inserted/modified

28.73 Table: MR_PEROFFER_STACK

28.73.1 MR_PEROFFER_STACK

Name	MR_PEROFFER_STACK
Comment	MR_PEROFFER_STACK defines the accepted capacity on a period basis for the Acceptance Schedule, is a child table to MR_DayOffer_Stack and only includes records or units with accepted_capacity > 0 for the specific period.

28.73.2 Description

Once the offer cut off time has passed and as the schedule changes AEMO is obliged to accept MR capacity to meet the schedule in merit order according to the offers submitted. The relationship to a specific schedule, the merit order of submitted offers and accepted quantities for each trading interval are stored in MR_Event_Schedule, MR_DayOffer_Stack and MR_PerOffer_Stack.

MR_PEROFFER_STACK reports the accepted MR capacity (Accepted_Capacity) required from each unit for each trading interval. MR_PEROFFER_STACK is sparse so lists only units with accepted capacity > 0 for that trading interval. The Deducted_Capacity field allows the tracking and implementation of participant requested reductions to accepted MR capacity to be tracked and applied. MR_PEROFFER_STACK is reported confidentially to each participant to notify acceptance of an MR offer.

Source

MR_PEROFFER_STACK updates are ad hoc.

Volume

4800 rows per year

28.73.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.73.4 Primary Key Columns

Name

MR_DATE

PERIODID

REGIONID

STACK_POSITION

VERSION_DATETIME

28.73.5 Index Columns

Name

LASTCHANGED

28.73.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	DATE	X	Mandatory Restriction imposition date
REGIONID	VARCHAR2(10)	X	Unique RegionID
VERSION_DATETIME	DATE	X	Allows many Period Stack versions for the one Scaling Factor stack
STACK_POSITION	NUMBER(3,0)	X	LAOF Stack order
PERIODID	NUMBER(3,0)	X	Trade Period for the MR Offer
DUID	VARCHAR2(10)		Dispatchable Unit ID or LinkID. Only required here for CSV reports
ACCEPTED_CAPACITY	NUMBER(6,0)		MR Capacity to be Dispatched
DEDUCTED_CAPACITY	NUMBER(6,0)		Requested capacity reduction amount
LASTCHANGED	DATE		Date and time the record was last inserted/modified

28.74 Table: MTPASA_CASE_SET

28.74.1 MTPASA_CASE_SET

Name	MTPASA_CASE_SET
Comment	MTPASA_CASE_SET is obsolete from 2005 End of Year Release. The RUNTYPE added to the primary key of the detail tables for MTPASA allows for the different types of runs for each case. MTPASA_CASE_SET allows a MT PASA scenario to be linked across runs.

28.74.2 Description

Source

Update weekly.

28.74.3 Notes

Name	Comment	Value
Visibility		Public

28.74.4 Primary Key Columns

Name
RUN_DATETIME
RUN_NO

28.74.5 Index Columns

Name
LASTCHANGED

28.74.6 Content

Name	Data Type	Mandatory	Comment

RUN_DATETIME	DATE	X	Date processing of the run begins. Generated from the solution file CASEID.
RUN_NO	NUMBER(3,0)	X	Unique run id. Generated from the solution file CASEID.
CASESETID	NUMBER(3,0)		Unique id to link a set of cases run from the same inputs
RUNTYPEID	NUMBER(1,0)		Unique id for type of run, being either
LASTCHANGED	DATE		Date the solution was loaded

28.75 Table: MTPASA_CASESOLUTION

28.75.1 MTPASA_CASESOLUTION

Name	MTPASA_CASESOLUTION
Comment	MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. MTPASA_CASESOLUTION holds one record for each entire solution. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables.

28.75.2 Description

MTPASA_CASESOLUTION is public data.

Source

MTPASA_CASESOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 1

Rows per month: 5

Monthly space increment is based on storing all the MT PASA solutions. To store only the latest solution, divide these figures by 5 (number of weeks per month rounded up).

28.75.3 Notes

Name	Comment	Value
Visibility		Public

28.75.4 Primary Key Columns

Name

RUN_DATETIME

RUN_NO

28.75.5 Index Columns

Name

LASTCHANGED

28.75.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins. Generated from the solution file caseid
RUN_NO	NUMBER(3,0)	X	Unique run id. Generated from the solution file caseid
PASAVERSION	VARCHAR2(10)		Version of the PASA solver used to solve this case
RESERVECONDITION	NUMBER(1,0)		Low Reserve Condition (LRC) flag for the case (1 - LRC in the case, 0 - No LRCs in the case) for capacity run
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LOR) flag for the case indicates the most severe condition in the case (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR)
CAPACITYOBJFUNCTION	NUMBER(12,3)		Objective Function from the Capacity Adequacy run
CAPACITYOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the demand forecast used for capacity adequacy assessment: 0 = no assessment, 1 = 10%, 2 = 50%, 3 = 90%
MAXSURPLUSRESERVEOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum surplus Reserve: 0 = no

			assessment, 1 = 10%, 2 = 50%, 3 = 90%
MAXSPARECAPACITYOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum Spare Capacity: 0 = no assessment, 1 = 10%, 2 = 50%, 3 = 90%
INTERCONNECTORFLOWPENALTY	NUMBER(12,3)		The penalty for non-zero interconnector flow
LASTCHANGED	DATE		Date and time the record was created or modified
RUNTYPE	VARCHAR2(50)		Discontinued in Dec 2005; was description of the constraints included in this run, being either System Normal and Planned Outage Constraints or System Normal Constraints Only
RELIABILITYLRCDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for Reliability LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
OUTAGELRCDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for outage LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
LORDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for LOR assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
RELIABILITYLRCCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in Reliability LRC run (either PASA or MARKET)
OUTAGELRCCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in Outage LRC run (either PASA or MARKET)
LORCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in LOR run (either PASA or MARKET)
LORUIGFOPTION	NUMBER(3,0)		UIGF POE forecast availability used for this option
RELIABILITYLRCUIGFOPTION	NUMBER(3,0)		UIGF POE forecast availability used for this option
OUTAGELRCUIGFOPTION	NUMBER(3,0)		UIGF POE forecast availability used for this option

28.76 Table: MTPASA_CONSTRAINTSOLUTION

28.76.1 MTPASA_CONSTRAINTSOLUTION

Name	MTPASA_CONSTRAINTSOLUTION
Comment	MTPASA_CONSTRAINTSOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_CONSTRAINTSOLUTION table holds the binding and violated constraint results from the capacity evaluation, including the RHS value. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables.

28.76.2 Description

MTPASA_CONSTRAINTSOLUTION is public data.

Source

MTPASA_CONSTRAINTSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 230

To store only the latest solution, divide these figures by 5.

28.76.3 Notes

Name	Comment	Value
Visibility		Public

28.76.4 Primary Key Columns

Name
CONSTRAINTID
DAY
ENERGYBLOCK
LDCBLOCK
RUN_DATETIME
RUN_NO
RUNTYPE

28.76.5 Index Columns

Name

LASTCHANGED

28.76.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins
RUN_NO	NUMBER(3,0)	X	Unique run id. Generated from the solution file caseid
ENERGYBLOCK	DATE	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block
DAY	DATE	X	Day this solution is for. Generated from the solution file periodid
LDCBLOCK	NUMBER(3,0)	X	LDC block this solution is for. Generated from the solution file periodid
CONSTRAINTID	VARCHAR2(20)	X	The unique identifier for the constraint
CAPACITYRHS	NUMBER(12,2)		The RHS value in the capacity evaluation
CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value; 0 if not binding
CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree; 0 if not violating
LASTCHANGED	DATE		Date the solution was loaded
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC

28.77 Table: MTPASA_INTERCONNECTORSOLUTION

28.77.1 MTPASA_INTERCONNECTORSOLUTION

Name	MTPASA_INTERCONNECTORSOLUTION
Comment	MTPASA_INTERCONNECTORSOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_INTERCONNECTORSOLUTION table shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the ldcblock within the day. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables (see Change Notices 400, 400a and 400b).

28.77.2 Description

MTPASA_INTERCONNECTORSOLUTION is public so is available to all participants.

Source

MTPASA_INTERCONNECTORSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 35280

To store only the latest solution, divide these figures by 5 (number of weeks per month rounded up).

28.77.3 Notes

Name	Comment	Value
Visibility		Public

28.77.4 Primary Key Columns

Name
DAY
ENERGYBLOCK
INTERCONNECTORID
LDCBLOCK
RUN_DATETIME
RUN_NO

RUNTYPE

28.77.5 Index Columns

Name

LASTCHANGED

28.77.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins
RUN_NO	NUMBER(3,0)	X	Unique run id. Generated from the solution file caseid
ENERGYBLOCK	DATE	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block
DAY	DATE	X	Day this solution is for. Generated from the solution file periodid
LDCBLOCK	NUMBER(3,0)	X	LDC block this solution is for. Generated from the solution file periodid
INTERCONNECTORID	VARCHAR2(10)	X	The unique identifier for the interconnector
CAPACITYMWFLOW	NUMBER(12,2)		Interconnector loading level (MW) that can be reached in case of capacity scarcity in neighbouring regions subject to network and energy constraints
CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value; 0 if not binding
CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree, 0 if not violating; where CapacityMWFLow <= export + violation Degree (Deficit)CapacityMWFLow >= import + CapacityViolationDegree (Deficit)
CALCULATEDEXPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit

CALCULATEDIMPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow
LASTCHANGED	DATE		Date the solution was loaded
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
EXPORTLIMITCONSTRAINTID	VARCHAR2(20)		ID of the constraint that sets the Interconnector Export Limit
IMPORTLIMITCONSTRAINTID	VARCHAR2(20)		ID of the constraint that sets the Interconnector Import Limit

28.78 Table: MTPASA_REGIONSOLUTION

28.78.1 MTPASA_REGIONSOLUTION

Name	MTPASA_REGIONSOLUTION
Comment	MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_REGIONSOLUTION table shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each day and ldcblock of the study.

28.78.2 Description

MTPASA_REGIONSOLUTION is public so is available to all participants.

Source

MTPASA_REGIONSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 29400

To store only the latest solution, divide these figures by 5 (number of weeks per month rounded up).

28.78.3 Notes

Name	Comment	Value
Visibility		Public

28.78.4 Primary Key Columns

Name

DAY

ENERGYBLOCK

LDCBLOCK

REGIONID

RUN_DATETIME

RUN_NO

RUNTYPE

28.78.5 Index Columns

Name

LASTCHANGED

28.78.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins
RUN_NO	NUMBER(3,0)	X	Unique run id. Generated from the solution file caseid
ENERGYBLOCK	DATE	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block
DAY	DATE	X	Day this solution is for. Generated from the solution file periodid
LDCBLOCK	NUMBER(3,0)	X	LDC block this solution is for. Generated from the solution file periodid
REGIONID	VARCHAR2(10)	X	The unique region identifier
DEMAND10	NUMBER(12,2)		Input value for 10% probability demand

RESERVEREQ	NUMBER(12,2)		Not used from 21/05/2010. Prior to 21/05/2010: Input reserve requirement
CAPACITYREQ	NUMBER(12,2)		Not used from 21/05/2010. Prior to 21/05/2010: CA Demand + Reserve Requirement
ENERGYREQDEMAND10	NUMBER(12,2)		Sum of: (Region Period Demand - given Demand10)/PeriodLength(sum by Energy Block, entered in first period of energy block, GWh)
UNCONSTRAINEDCAPACITY	NUMBER(12,0)		Region energy unconstrained MW capacity subject to network security constraints
CONSTRAINEDCAPACITY	NUMBER(12,0)		Region energy constrained MW capacity subject to energy and network security constraints
NETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Calculated in capacity adequacy evaluation: Export if > 0, Import if < 0.
SURPLUSCAPACITY	NUMBER(12,2)		Regional surplus capacity MW, +/- values indicate surplus/deficit capacity
SURPLUSRESERVE	NUMBER(12,2)		Not used from 21/05/2010. Prior to 21/05/2010: Regional reserve surplus. +/-0 values indicate surplus/deficit reserve
RESERVECONDITION	NUMBER(1,0)		The regional reserve condition: 0 = Adequate, 1 = LRC
MAXSURPLUSRESERVE	NUMBER(12,2)		The Maximum generation (MW) that could be withdrawn from this region without incurring a Low Reserve Condition.
MAXSPARECAPACITY	NUMBER(12,2)		The Maximum Spare Capacity evaluated for this region in this period. Calculated for each region in turn
LORCONDITION	NUMBER(1,0)		The LOR Condition determined from the Maximum Spare Capacity value: 0 = no condition, 1 = LOR1 condition, 2 = LOR2 condition, 3 = LOR3 condition
AGGREGATECAPACITYAVAILABLE	NUMBER(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
AGGREGATESCHEDULEDLOAD	NUMBER(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.

LASTCHANGED	DATE		Date the solution was loaded
AGGREGATEPASAAVAILABILITY	NUMBER(12,0)		Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
CALCULATEDLOR1LEVEL	NUMBER(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	NUMBER(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the MSR assessment
LORNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND50	NUMBER(12,2)		Input value for 50% probability demand
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULEDCAPACITY	NUMBER(12,2)		Aggregate Regional UIGF availability
LOR_SEMISCHEDULEDCAPACITY	NUMBER(12,2)		Aggregate Regional UIGF availability for LOR
DEFICITRESERVE	NUMBER(16,6)		Regional reserve deficit (MW)
MAXUSEFULRESPONSE	NUMBER(12,2)		The Maximum market response (MW) needed for the region to eliminate a Low Reserve Condition (LRC)
MURNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the MRR assessment
LORTOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the LOR assessment

ENERGYREQDEMAND50	number(12,2)		Sum of: (Region Period Demand - given Demand50)/PeriodLength (sum by Energy Block, entered in first period of energy block, GWh)

28.79 Table: MTPASA_RESERVELIMITSOLUTION

28.79.1 MTPASA_RESERVELIMITSOLUTION

Name	MTPASA_RESERVELIMITSOLUTION
Comment	MTPASA_RESERVELIMITSOLUTION is obsolete from 2017 End of Year DM4.27 Release. MT PASA Solution table reporting whether a MT PASA Reserve requirement is binding for each day and LDC block of the run.

28.79.2 Description

Source

MTPASA_RESERVELIMITSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

400,000 rows per year

28.79.3 Notes

Name	Comment	Value
Visibility		Public

28.79.4 Primary Key Columns

Name
DAY
ENERGYBLOCK
LDCBLOCK
RESERVELIMITID
RUN_DATETIME
RUN_NO

RUNTYPE

28.79.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Date processing of the run begins
RUN_NO	NUMBER(3,0)	X	Unique run ID. Generated from the solution file Case ID.
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
ENERGYBLOCK	DATE	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block.
DAY	DATE	X	Day this solution is for. Generated from the solution file period id.
LDCBLOCK	NUMBER(3,0)	X	Load Duration Curve block this solution is for. Generated from the solution file period id.
RESERVELIMITID	VARCHAR2(20)	X	The unique identifier of the MT PASA LRC Reserve Requirement.
MARGINALVALUE	NUMBER(16,6)		Marginal Value of the Reserve Requirement Constraint. A non-zero value indicates that the reserve requirement is binding.
LASTCHANGED	DATE		Timestamp the record was last modified.

28.80 Table: MTPASACONSTRAINTSOLUTION_D

28.80.1 MTPASACONSTRAINTSOLUTION_D

Name MTPASACONSTRAINTSOLUTION_D

Comment MTPASACONSTRAINTSOLUTION_D sets out MT PASA constraint solution results, where constraints are binding.

28.80.2 Description

MTPASACONSTRAINTSOLUTION_D is public data.

Source

MTPASACONSTRAINTSOLUTION_D updates weekly.

Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per newly effective constraint.

28.80.3 Notes

Name	Comment	Value
Visibility		Public

28.80.4 Primary Key Columns

Name
CONSTRAINT_ID
DATETIME

28.80.5 Index Columns

Name
LASTCHANGED

28.80.6 Content

Name	Data Type	Mandatory	Comment
DATETIME	DATE	X	Date constraint is binding
CONSTRAINT_ID	VARCHAR2(20)	X	Constraint Identifier
DEGREE_OF_VIOLATION	NUMBER(16,6)		The degree in MW by which the constraint would be violated if the solution could not solve. This could be due to incorrect penalties etc. This figure should always be 0.
LASTCHANGED	DATE		Last changed data and time.
RUN_DATETIME	DATE		The run date and time

28.81 Table: MTPASAINTERCONNECTORSOLUTION_D

28.81.1 MTPASAINTERCONNECTORSOLUTION_D

Name	MTPASAINTERCONNECTORSOLUTION_D
Comment	MTPASAINTERCONNECTORSOLUTION_D shows interconnector results for MT PASA, shown region by region.

28.81.2 Description

MTPASAINTERCONNECTORSOLUTION_D is public data.

Source

MTPASAINTERCONNECTORSOLUTION_D updates weekly.

Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per day per interconnector.

28.81.3 Notes

Name	Comment	Value
Visibility		Public

28.81.4 Primary Key Columns

Name
DATETIME
INTERCONNECTOR_ID

28.81.5 Index Columns

Name
LASTCHANGED

28.81.6 Content

Name	Data Type	Mandatory	Comment
DATETIME	DATE	X	Date of results. One record for each day for next two years.
INTERCONNECTOR_ID	VARCHAR2(12)	X	Interconnector Identifier
POSITIVE_INTERCONNECTOR_FLOW	NUMBER(16,6)		The MW flow out
POSITIVE_TRANSFER_LIMITS	NUMBER(16,6)		The MW transfer limits out
POSITIVE_BINDING	VARCHAR2(10)		Indication of a binding limit in the out direction
NEGATIVE_INTERCONNECTOR_FLOW	NUMBER(16,6)		The MW flow in
NEGATIVE_TRANSFER_LIMITS	NUMBER(16,6)		the MW transfer limits in
NEGATIVE_BINDING	VARCHAR2(10)		Indication of a binding limit in the in direction
LASTCHANGED	DATE		Last change date and time
RUN_DATETIME	DATE		The run date and time

28.82 Table: MTPASAREGIONSOLUTION_D

28.82.1 MTPASAREGIONSOLUTION_D

Name	MTPASAREGIONSOLUTION_D
Comment	MTPASAREGIONSOLUTION_D shows region results for MT PASA, showing predicted demand and any capacity limits.

28.82.2 Description

MTPASAREGIONSOLUTION_D is public data.

Source

MTPASAREGIONSOLUTION_D updates weekly.

Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per day per region.

28.82.3 Notes

Name	Comment	Value
Visibility		Public

28.82.4 Primary Key Columns

Name
DATETIME
REGION_ID

28.82.5 Index Columns

Name
LASTCHANGED

28.82.6 Content

Name	Data Type	Mandatory	Comment
DATETIME	DATE	X	Date of results. One record for each day for next two years.
REGION_ID	VARCHAR2(12)	X	Region Identifier
RUN_DATETIME	DATE		The run date and time
RESERVE_CONDITION	VARCHAR2(50)		The regional reserve condition
RESERVE_SURPLUS	NUMBER(16,6)		Regional reserve surplus value
CAPACITY_REQUIREMENT	NUMBER(16,6)		Capacity in MW required to meet demand
MINIMUM_RESERVE_REQUIREMENT	NUMBER(16,6)		Minimum required regional reserve value
REGION_DEMAND_10POE	NUMBER(16,6)		Regional 10% Probability of Exceedance demand forecast value
DEMAND_MINUS_SCHEDULED_LOAD	NUMBER(16,6)		Regional demand minus the scheduled load value

CONSTRAINED_CAPACITY	NUMBER(16,6)		The total regional capacity due to energy and network constraints
UNCONSTRAINED_CAPACITY	NUMBER(16,6)		The total regional capacity, subject to network constraints.
NET_INTERCHANGE	NUMBER(16,6)		Regional net MW import via interconnectors
ENERGY_REQUIREMENT_10POE	NUMBER(16,6)		Regional energy required to meet demand
REPORTED_BLOCK_ID	NUMBER(16,6)		The load duration curve block that is recorded in the report.
LASTCHANGED	DATE		Last change date and time.

28.83 Table: OARTRACK

28.83.1 OARTRACK

Name	OARTRACK
Comment	OARTRACK shows an audit trail of bids for a particular settlement day. Corrupt bids do not update OARTRACK, but are just in OFFERFILETRK.

28.83.2 Description

Not in Use - discontinued 16/11/2003

Status

The OARTRACK table is obsolete. Please refer to BIDOFFERFILETRK. As a transition assist, the OARTRACK views expose data based on BIDOFFERFILETRK.

Source

Own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

28.83.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.83.4 Primary Key Columns

Name

OFFERDATE

PARTICIPANTID

SETTLEMENTDATE

VERSIONNO

28.83.5 Index Columns

Name

LASTCHANGED

28.83.6 Index Columns

Name

PARTICIPANTID

28.83.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
OFFERDATE	DATE	X	Date file offered
VERSIONNO	NUMBER(3,0)	X	Version no for this offer date
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
FILENAME	VARCHAR2(40)		Load file name
AUTHORISEDDATE	DATE		Date record authorised
AUTHORISEDBY	VARCHAR2(10)		User authorising record
LASTCHANGED	DATE		Last date and time record changed

28.84 Table: OFFERFILETRK

28.84.1 OFFERFILETRK

Name	OFFERFILETRK
Comment	OFFERFILETRK shows an audit trail of all bid files submitted containing energy bids, including corrupt bids/rebids.

28.84.2 Description

Status

OFFERFILETRK is obsolete. Please see BIDOFFERFILETRK.

Source

OFFERFILETRK is obsolete.

28.84.3 Notes

Name	Comment	Value
Visibility		Private

28.84.4 Primary Key Columns

Name
FILENAME
OFFERDATE
PARTICIPANTID

28.84.5 Index Columns

Name
LASTCHANGED

28.84.6 Index Columns

Name

PARTICIPANTID

28.84.7 Content

Name	Data Type	Mandatory	Comment
OFFERDATE	DATE	X	Date file offered
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
STATUS	VARCHAR2(10)		Load status [SUCCESSFUL/CORRUPT]
ACKFILENAME	VARCHAR2(40)		Acknowledge file name
ENDDATE	DATE		Not used
FILENAME	VARCHAR2(40)	X	Load file name
LASTCHANGED	DATE		Last date and time record changed

28.85 Table: OFFERGOVDATA

28.85.1 OFFERGOVDATA

Name OFFERGOVDATA

Comment OFFERGOVDATA sets out reoffers of governor (6 and 60 second FCAS) availability.

28.85.2 Description

Not in Use - discontinued 30/09/2001

Confidential to participant

Source

Updated as reoffers process.

28.85.3 Notes

Name Comment Value

Visibility	Private

28.85.4 Primary Key Columns

Name

CONTRACTID

EFFECTIVEDATE

PERIODID

VERSIONNO

28.85.5 Index Columns

Name

LASTCHANGED

28.85.6 Index Columns

Name

CONTRACTID

28.85.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract Version No.
EFFECTIVEDATE	DATE	X	Effective Date of Re-Offer
VERSIONNO	NUMBER(3,0)	X	Version No. of Re-Offer
PERIODID	NUMBER(3,0)	X	Market day trading interval number
SEC6AVAILUP	NUMBER(6,0)		Availability for 6 Second Raise (0 or 1. '0'= unavailable, '1' = available)
SEC6AVAILDOWN	NUMBER(6,0)		Availability for 6 Second Lower (0 or 1)

SEC60AVAILUP	NUMBER(6,0)		Availability for 60 Second Raise (0 or 1)
SEC60AVAILDOWN	NUMBER(6,0)		Availability for 60 Second Lower (0 or 1)
AUTHORISEDDATE	DATE		Date Contract was Authorised
AUTHORISEDBY	VARCHAR2(15)		User Name
FILENAME	VARCHAR2(40)		File name of Re-Offer file
LASTCHANGED	DATE		Last date and time record changed

28.86 Table: OFFERULOADINGDATA

28.86.1 OFFERULOADINGDATA

Name	OFFERULOADINGDATA
Comment	OFFERULOADINGDATA shows reoffers of rapid unit loading capability.

28.86.2 Description

Not in Use - discontinued 30/09/2001

OFFERULOADINGDATA data is confidential to each participant.

Source

OFFERULOADINGDATA updated as reoffers processed.

28.86.3 Notes

Name	Comment	Value
Visibility		Private

28.86.4 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID

VERSIONNO

28.86.5 Index Columns

Name

LASTCHANGED

28.86.6 Index Columns

Name

CONTRACTID

28.86.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract identifier
EFFECTIVEDATE	DATE	X	Effective date of contract
VERSIONNO	NUMBER(3,0)	X	Version No of contract
AVAILABLELOAD	NUMBER(4,0)		Available load
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(15)		Authorised by
FILENAME	VARCHAR2(40)		Name of reoffer file
LASTCHANGED	DATE		Last date and time record changed
PERIODID	NUMBER(3,0)	X	Market day trading interval number

28.87 Table: OFFERUNLOADINGDATA

28.87.1 OFFERUNLOADINGDATA

Name OFFERUNLOADINGDATA

Comment	OFFERUNLOADINGDATA shows reoffers of rapid unit unloading capability.

28.87.2 Description

Not in Use - discontinued 30/09/2001

OFFERUNLOADINGDATA data is confidential to the relevant participant.

Source

OFFERUNLOADINGDATA updates as reoffers processed.

28.87.3 Notes

Name	Comment	Value
Visibility		Private

28.87.4 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

28.87.5 Index Columns

Name
LASTCHANGED

28.87.6 Index Columns

Name
CONTRACTID

28.87.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	VARCHAR2(10)	X	Contract identifier
EFFECTIVEDATE	DATE	X	Market date of reoffer
VERSIONNO	NUMBER(3,0)	X	Version No of reoffer
AVAILABLELOAD	NUMBER(4,0)		Available load
AUTHORISEDDATE	DATE		Authorised date
AUTHORISEDBY	VARCHAR2(15)		Authorised by
FILENAME	VARCHAR2(40)		Name of reoffer file
LASTCHANGED	DATE		Last date and time record changed
PERIODID	NUMBER(3,0)	X	Market day trading interval number

28.88 Table: P5MIN_FCAS_REQUIREMENT

28.88.1 P5MIN_FCAS_REQUIREMENT

Name P5MIN_FCAS_REQUIREMENT

Comment 5-minute Predispatch constraint tracking for Regional FCAS recovery

28.88.2 Notes

Name	Comment	Value
Visibility		Public

28.88.3 Primary Key Columns

Name

BIDTYPE

CONSTRAINTID

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

28.88.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	First interval of the 5-minute Predispatch case
INTERVAL_DATETIME	DATE	X	Datetime of the 5-minute Predispatch interval
CONSTRAINTID	VARCHAR2(20)	X	ConstraintID Join to table GenConData
REGIONID	VARCHAR2(20)	X	Region Identifier
BIDTYPE	VARCHAR2(10)	X	DUID offered type
INTERVENTION	NUMBER(2,0)		Intervention flag
CONSTRAINT_EFFECTIVEDATE	DATE		Constraint EffectiveDate Join to table GenConData
CONSTRAINT_VERSIONNO	NUMBER(3,0)		Constraint Version number Join to table GenConData
MARGINALVALUE	NUMBER(18,8)		Marginal $ value for energy
BASE_COST	NUMBER(18,8)		The base cost of the constraint for this service, before the regulation/contingency split
ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, after the regulation/contingency split
ESTIMATED_CMPF	NUMBER(18,8)		An estimated value for the constraint CMPF, based on 5- minute Predispatch data
ESTIMATED_CRMPF	NUMBER(18,8)		An estimated value for the constraint CRMPF, based on 5-minute Predispatch data
RECOVERY_FACTOR_CMPF	NUMBER(18,8)		Estimated recovery factor for CMPF based recovery
RECOVERY_FACTOR_CRMPF	NUMBER(18,8)		Estimated recovery for CRMPF based recovery
LASTCHANGED	DATE		Last changed date for the record

28.89 Table: PASACASESOLUTION

28.89.1 PASACASESOLUTION

Name	PASACASESOLUTION
Comment	PASACASESOLUTION sets out ST PASA case listing providing details of each STPASA case run.

28.89.2 Description

PASACASESOLUTION is obsolete on 27 March 2002

PASACASESOLUTION is public data, so is available to all participants.

Source

PASACASESOLUTION is not used; was updated every 2 hours.

28.89.3 Notes

Name	Comment	Value
Visibility		Public

28.89.4 Primary Key Columns

Name
CASEID

28.89.5 Index Columns

Name
LASTCHANGED

28.89.6 Content

Name	Data Type	Mandatory	Comment

CASEID	VARCHAR2(20)	X	PASA Case Identifier
SOLUTIONCOMPLETE	NUMBER(16,6)		Not used
PASAVERSION	NUMBER(27,10)		Software version identifier
EXCESSGENERATION	NUMBER(16,6)		Excess generation detected flag
DEFICITCAPACITY	NUMBER(16,6)		Deficit capacity detected flag
LASTCHANGED	DATE		Last date and time record changed
DATETIME	DATE		Scheduled date and time of the run

28.90 Table: PASACONSTRAINTSOLUTION

28.90.1 PASACONSTRAINTSOLUTION

Name	PASACONSTRAINTSOLUTION
Comment	PASACONSTRAINTSOLUTION records the latest binding STPASA constraint details for each period. For each solution, the latest recalculation for each period overwrites the previous entry.

28.90.2 Description

PASACONSTRAINTSOLUTION is obsolete on 27 March 2002

PASACONSTRAINTSOLUTION is public data, so is available to all participants.

Source

PASACONSTRAINTSOLUTION is not used; was updated every 2 hours.

28.90.3 Notes

Name	Comment	Value
Visibility		Public

28.90.4 Primary Key Columns

Name
CONSTRAINTID

PERIODID

28.90.5 Index Columns

Name

LASTCHANGED

28.90.6 Content

Name	Data Type	Mandatory	Comment
CASEID	VARCHAR2(20)	X	PASA Case Identifier
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint Id
PERIODID	VARCHAR2(20)	X	PASA Interval (48 half hours)
CAPACITYMARGINALVALUE	NUMBER(16,6)		Binding value of capacity and adequacy (if insufficient to measure)
CAPACITYVIOLATIONDEGREE	NUMBER(16,6)		Deficit MW of surplus capacity
EXCESSGENMARGINALVALUE	NUMBER(16,6)		Binding value of dispatch generator above aggregate self dispatch
EXCESSGENVIOLATIONDEGREE	NUMBER(16,6)		Deficit of generator above aggregate self dispatch level
LASTCHANGED	DATE		Last date and time record changed
DATETIME	DATE		Date and time of the end of the period

28.91 Table: PASAINTERCONNECTORSOLUTION

28.91.1 PASAINTERCONNECTORSOLUTION

Name PASAINTERCONNECTORSOLUTION

Comment PASAINTERCONNECTORSOLUTION records ST PASA interconnector solutions for the latest period.

28.91.2 Description

PASAINTERCONNECTORSOLUTION is obsolete on 27 March 2002

PASAINTERCONNECTORSOLUTION is public data, so is available to all participants.

Source

PASAINTERCONNECTORSOLUTION is unused; was updated every 2 hours.

28.91.3 Notes

Name	Comment	Value
Visibility		Public

28.91.4 Primary Key Columns

Name
INTERCONNECTORID
PERIODID

28.91.5 Index Columns

Name
LASTCHANGED

28.91.6 Content

Name	Data Type	Mandatory	Comment
CASEID	VARCHAR2(20)	X	PASA Case Identifier
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Id
PERIODID	VARCHAR2(20)	X	PASA Interval (48 half hours)
CAPACITYMWFLOW	NUMBER(16,6)		Capacity MW flow
CAPACITYMARGINALVALUE	NUMBER(16,6)		Marginal value in capacity
CAPACITYVIOLATIONDEGREE	NUMBER(16,6)		Violation value in capacity

EXCESSGENMWFLOW	NUMBER(16,6)		Excess generation MW flow
EXCESSGENMARGINALVALUE	NUMBER(16,6)		Marginal value in excess generation
EXCESSGENVIOLATIONDEGREE	NUMBER(16,6)		Violation value in excess generation
LASTCHANGED	DATE		Last date and time record changed
IMPORTLIMIT	NUMBER(15,5)		Calculated import limit
EXPORTLIMIT	NUMBER(15,5)		Calculated export limit
DATETIME	DATE		Date and time of the end of the period

28.92 Table: PASAREGIONSOLUTION

28.92.1 PASAREGIONSOLUTION

Name	PASAREGIONSOLUTION
Comment	PASAREGIONSOLUTION shows the Regional solution for ST PASA showing reserves for each half-hour period. This table (PASAREGIONSOLUTION_D) shows the latest calculated result for each period.

28.92.2 Description

PASAREGIONSOLUTION is obsolete on 27 March 2002.

PASAREGIONSOLUTION is public data, so is available to all participants.

Source

PASAREGIONSOLUTION is not used; was updated every 2 hours.

28.92.3 Notes

Name	Comment	Value
Visibility		Public

28.92.4 Primary Key Columns

Name
PERIODID

REGIONID

28.92.5 Index Columns

Name

LASTCHANGED

28.92.6 Content

Name	Data Type	Mandatory	Comment
CASEID	VARCHAR2(20)	X	PASA Case Identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	VARCHAR2(20)	X	PASA Interval (48 half hours)
DEMAND10	NUMBER(16,6)		10% exceedence forecast
DEMAND50	NUMBER(16,6)		50% exceedence forecast
DEMAND90	NUMBER(16,6)		90% exceedence forecast
UNCONSTRAINEDCAPACITY	NUMBER(16,6)		Unconstrained capacity
CONSTRAINEDCAPACITY	NUMBER(16,6)		Constrained capacity
CAPACITYSURPLUS	NUMBER(16,6)		Surplus capacity
RESERVEREQ	NUMBER(16,6)		Reserve requirement
RESERVECONDITION	NUMBER(16,6)		Reserve condition
RESERVESURPLUS	NUMBER(16,6)		Reserve surplus
LOADREJECTIONRESERVEREQ	NUMBER(16,6)		Load rejection reserve requirement
LOADREJECTIONRESERVESURPLUS	NUMBER(16,6)		Load rejection reserve surplus
NETINTERCHANGEUNDEREXCESS	NUMBER(16,6)		Net interchange excess
NETINTERCHANGEUNDERSCARCITY	NUMBER(16,6)		Net interchange scarcity
LASTCHANGED	DATE		Last date and time record changed

EXCESSGENERATION	NUMBER(22,0)		Excess generation in period OR Deficit generation if VoLL
ENERGYREQUIRED	NUMBER(15,5)		Total amount of energy required for the reported day
CAPACITYREQUIRED	NUMBER(15,5)		Trading interval demand for the region that has a 10% probability of being exceeded, plus the medium term capacity reserve standard.
DATETIME	DATE		Date and time of the end of the period

28.93 Table: PEROFFER

28.93.1 PEROFFER

Name	PEROFFER
Comment	PEROFFER contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10). PEROFFER is a child table of DAYOFFER.

28.93.2 Description

Status

PEROFFER is obsolete. please see BIDPEROFFER. For a transition period, PEROFFER data continued to exist, being based on BIDPEROFFER.

Source

PEROFFER is obsolete; confidential data was updated for each bid and rebid, with full visibility of rest of market were updated daily as part of next day data.

28.93.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.93.4 Primary Key Columns

Name

DUID

OFFERDATE

PERIODID

SETTLEMENTDATE

VERSIONNO

28.93.5 Index Columns

Name

LASTCHANGED

28.93.6 Index Columns

Name

DUID

LASTCHANGED

28.93.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:00am
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
OFFERDATE	DATE	X	Offer date made
PERIODID	NUMBER(3,0)	X	Period identifier
VERSIONNO	NUMBER(3,0)	X	Version number of offer
SELFDISPATCH	NUMBER(12,6)		Not used
MAXAVAIL	NUMBER(12,6)		Maximum plant availability

FIXEDLOAD	NUMBER(12,6)		Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load)
ROCUP	NUMBER(6,0)		MW/min for raise
ROCDOWN	NUMBER(6,0)		MW/Min for lower
BANDAVAIL1	NUMBER(6,0)		Availability at price band 1
BANDAVAIL2	NUMBER(6,0)		Availability at price band 2
BANDAVAIL3	NUMBER(6,0)		Availability at price band 3
BANDAVAIL4	NUMBER(6,0)		Availability at price band 4
BANDAVAIL5	NUMBER(6,0)		Availability at price band 5
BANDAVAIL6	NUMBER(6,0)		Availability at price band 6
BANDAVAIL7	NUMBER(6,0)		Availability at price band 7
BANDAVAIL8	NUMBER(6,0)		Availability at price band 8
BANDAVAIL9	NUMBER(6,0)		Availability at price band 9
BANDAVAIL10	NUMBER(6,0)		Availability at price band 10
LASTCHANGED	DATE		Last date and time record changed
PASAAVAILABILITY	NUMBER(12,0)		The physical plant capability including any capability potentially available within 24 hours.
MR_CAPACITY	NUMBER(6,0)		Mandatory Restriction Offer amount

28.94 Table: PEROFFER_D

28.94.1 PEROFFER_D

Name PEROFFER_D

Comment PEROFFER_D contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER_D. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10).

PEROFFER_D is a child table of DAYOFFER_D.

28.94.2 Description

Not in Use - discontinued 16/11/2003

Status

PEROFFER and its related views are obsolete. please see BIDPEROFFER views. For a transition period, the PEROFFER views exist, being based on the BIDPEROFFER table.

Source

PEROFFER is obsolete; confidential data was updated for each bid and rebid, with full visibility of rest of market were updated daily as part of next day data.

28.94.3 Notes

Name	Comment	Value
Visibility		Public

28.94.4 Primary Key Columns

Name
DUID
OFFERDATE
PERIODID
SETTLEMENTDATE
VERSIONNO

28.94.5 Index Columns

Name
LASTCHANGED

28.94.6 Index Columns

Name
DUID

LASTCHANGED

28.94.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:00am
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
OFFERDATE	DATE	X	Offer date made
PERIODID	NUMBER(3,0)	X	Period identifier
VERSIONNO	NUMBER(3,0)	X	Version number of offer
SELFDISPATCH	NUMBER(12,6)		Not used
MAXAVAIL	NUMBER(12,6)		Maximum plant availability
FIXEDLOAD	NUMBER(12,6)		Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load)
ROCUP	NUMBER(6,0)		MW/min for raise
ROCDOWN	NUMBER(6,0)		MW/Min for lower
BANDAVAIL1	NUMBER(6,0)		Availability at price band 1
BANDAVAIL2	NUMBER(6,0)		Availability at price band 2
BANDAVAIL3	NUMBER(6,0)		Availability at price band 3
BANDAVAIL4	NUMBER(6,0)		Availability at price band 4
BANDAVAIL5	NUMBER(6,0)		Availability at price band 5
BANDAVAIL6	NUMBER(6,0)		Availability at price band 6
BANDAVAIL7	NUMBER(6,0)		Availability at price band 7
BANDAVAIL8	NUMBER(6,0)		Availability at price band 8
BANDAVAIL9	NUMBER(6,0)		Availability at price band 9
BANDAVAIL10	NUMBER(6,0)		Availability at price band 10

LASTCHANGED	DATE		Last date and time record changed
PASAAVAILABILITY	NUMBER(12,0)		The physical plant capability including any capability potentially available within 24 hours.
MR_CAPACITY	NUMBER(6,0)		Mandatory Restriction Offer amount

28.95 Table: PREDISPATCH_FCAS_REQ

28.95.1 PREDISPATCH_FCAS_REQ

Name	PREDISPATCH_FCAS_REQ
Comment	PREDISPATCH_FCAS_REQ shows Predispatch Constraint tracking for Regional FCAS Requirements.

28.95.2 Description

Source

PREDISPATCH_FCAS_REQ updates with each pre-dispatch run (half hourly)

Volume

Approximately 2,000 rows per day.

Note

The PERIODID columns in tables PREDISPATCHCONSTRAINT and PREDISPATCH_FCAS_REQ have no consistent relationship with the other PERIODID values in the other tables in the PRE-DISPATCH package (such as PREDISPATCHPRICE). AEMO and many Participants appreciate the data model is inconsistent, but the cost of changing existing systems has been judged as being unjustifiable. An additional field DATETIME was added to allow joins between these data sets.

28.95.3 Notes

Name	Comment	Value
Visibility		Public

28.95.4 Primary Key Columns

Name
BIDTYPE

DATETIME

GENCONID

REGIONID

28.95.5 Index Columns

Name

LASTCHANGED

28.95.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)		PreDispatch Sequence number
RUNNO	NUMBER(3,0)		Case Run number
INTERVENTION	NUMBER(2,0)		Intervention Flag
PERIODID	VARCHAR2(20)		Unique period identifier, in the format yyyymmddpp. The period (pp) is 01 to 48, with 01 corresponding to the half-hour ending at 04:30am.
GENCONID	VARCHAR2(20)	X	Generic Constraint ID - Join to table GenConData
REGIONID	VARCHAR2(10)	X	Region ID
BIDTYPE	VARCHAR2(10)	X	Bid Type Identifier
GENCONEFFECTIVEDATE	DATE		Generic Constraint EffectiveDate - Join to table GenConData
GENCONVERSIONNO	NUMBER(3,0)		Generic Constraint Version number - Join to table GenConData
MARGINALVALUE	NUMBER(16,6)		Marginal Value of generic constraint
DATETIME	DATE	X	Date and Time of trading interval
LASTCHANGED	DATE		Last date and time record changed
BASE_COST	NUMBER(18,8)		The base cost of the constraint for this service,

			before the regulation/contingency split
ADJUSTED_COST	NUMBER(18,8)		The adjusted cost of the constraint for this service, before the regulation/contingency split
ESTIMATED_CMPF	NUMBER(18,8)		An estimated value for the constraint CMPF, based on dispatched data
ESTIMATED_CRMPF	NUMBER(18,8)		An estimated value for the constraint CRMPF, based on dispatched data
RECOVERY_FACTOR_CMPF	NUMBER(18,8)		Estimated recovery factor for CMPF based recovery
RECOVERY_FACTOR_CRMPF	NUMBER(18,8)		Estimated recovery factor for CRMPF based recovery

28.96 Table: PREDISPATCHBIDTRK

28.96.1 PREDISPATCHBIDTRK

Name	PREDISPATCHBIDTRK
Comment	PREDISPATCHBIDTRK contains an audit trail of bids used in each predispatch run. Where predispatch is over 2 days, two bids are listed.

28.96.2 Description

Status

PREDISPATCHOFFERTRK and related views are obsolete. Please see tables and views related to BIDPEROFFER.

Source

Own (confidential) data shows via inserts with every thirty-minute predispatch. Daily update after close of day shows all market bids for the closed day.

Period date and time

28.96.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.96.4 Primary Key Columns

Name

DUID

PERIODID

PREDISPATCHSEQNO

28.96.5 Index Columns

Name

LASTCHANGED

28.96.6 Index Columns

Name

DUID

LASTCHANGED

28.96.7 Index Columns

Name

DUID

SETTLEMENTDATE

28.96.8 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
PERIODID	VARCHAR2(20)	X	PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to

			determine half hour period.
BIDTYPE	VARCHAR2(10)		Bid type (daily, default or rebid)
OFFERDATE	DATE		Offer date for bid
VERSIONNO	NUMBER(3,0)		Version no of offer for the offer date
LASTCHANGED	DATE		Last date and time record changed
SETTLEMENTDATE	DATE		Market Settlement Date
DATETIME	DATE		Period date and time

28.97 Table: REALLOCATIONDETAILS

28.97.1 REALLOCATIONDETAILS

Name REALLOCATIONDETAILS

Comment REALLOCATIONDETAILS sets out specific reallocation agreements.

28.97.2 Description

Not in Use - discontinued 10/06/2004

Source

As changes occur.

28.97.3 Notes

Name	Comment	Value
Visibility		Private

28.97.4 Primary Key Columns

Name

EFFECTIVEDATE

REALLOCATIONID

VERSIONNO

28.97.5 Index Columns

Name

LASTCHANGED

28.97.6 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	VARCHAR2(20)	X	Identification of the reallocation agreement
EFFECTIVEDATE	DATE	X	Calendar settlement date the agreement starts from
VERSIONNO	NUMBER(3,0)	X	Version number on the effective date, highest is the reallocation used on that date
AUTHORISEDDATE	DATE		Date the entry was authorised
AUTHORISEDBY	VARCHAR2(10)		User who authorised the record
LASTCHANGED	DATE		Last date and time record changed

28.98 Table: REALLOCATIONINTERVALS

28.98.1 REALLOCATIONINTERVALS

Name REALLOCATIONINTERVALS

Comment REALLOCATIONINTERVALS identifies the the reallocation agreement and provides the corresponding reallocation profiles submitted by the participant and accepted by AEMO

28.98.2 Description

Not in Use - discontinued 10/06/2004

Source

Only populated if a reallocation contract has been submitted and accepted by AEMO.

Volume

Generally 144 rows are inserted by week.

28.98.3 Notes

Name	Comment	Value
Visibility		Private

28.98.4 Primary Key Columns

Name

EFFECTIVEDATE

PERIODID

REALLOCATIONID

VERSIONNO

28.98.5 Index Columns

Name

LASTCHANGED

28.98.6 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	VARCHAR2(20)	X	Identification of the reallocation agreement
EFFECTIVEDATE	DATE	X	Date the agreement starts from
VERSIONNO	NUMBER(3,0)	X	Version number on the effective date, highest is the reallocation used on that date
PERIODID	NUMBER(3,0)	X	Period number where period 1 use the half hour ended 00:30 EST
REALLOCATIONVALUE	NUMBER(6,2)		Either $ or MWh depending on agreement type
LASTCHANGED	DATE		Last date and time record changed

28.99 Table: REALLOCATIONS

28.99.1 REALLOCATIONS

Name	REALLOCATIONS
Comment	REALLOCATIONS shows reallocation agreement identifiers with corresponding start and end dates of submitted reallocations as accepted by AEMO.

28.99.2 Description

Not in Use - discontinued 10/06/2004

Source

This view is populated upon submission of a reallocation contract and accepted by AEMO.

Volume

Generally 3 rows are inserted by week.

28.99.3 Notes

Name	Comment	Value
Visibility		Private

28.99.4 Primary Key Columns

Name
REALLOCATIONID

28.99.5 Index Columns

Name
LASTCHANGED

28.99.6 Content

Name	Data Type	Mandatory	Comment

REALLOCATIONID	VARCHAR2(20)	X	Identification of the reallocation agreement
STARTDATE	DATE		Starting data for the agreement
STARTPERIOD	NUMBER(3,0)		Starting period number
ENDDATE	DATE		Ending date for the agreement
ENDPERIOD	NUMBER(3,0)		Ending period number
PARTICIPANTTOID	VARCHAR2(10)		Participant who receives the money
PARTICIPANTFROMID	VARCHAR2(10)		Participant who provides the money
AGREEMENTTYPE	VARCHAR2(10)		Either $ or MWh
DEREGISTRATIONDATE	DATE		Not used
DEREGISTRATIONPERIOD	NUMBER(3,0)		Not used
REGIONID	VARCHAR2(10)		Place where the RRP is taken for the agreement
LASTCHANGED	DATE		Last date and time record changed

28.100 Table: REGIONFCASRELAXATION_OCD

28.100.1 REGIONFCASRELAXATION_OCD

Name REGIONFCASRELAXATION_OCD

Comment REGIONFCASRELAXATION_OCD contains details of regional FCAS requirements relaxed in the over-constrained dispatch (OCD) re-run (if there was one).

Note: INTERVENTION is not included in REGIONFCASRELAXATION_OCD since the relaxation of the FCAS requirement is the same amount in both intervened and non-intervened cases.

28.100.2 Description

REGIONFCASRELAXATION_OCD data is public, so is available to all participants.

Source

The occurrences of Over-constrained dispatch (OCD) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system.

Volume

Rows per day: ~2

Mb per month: <1

The estimates on the number of rows are based on a 1% occurrence rate for OCD runs.

Note

The DISPATCHCASESOLUTION results report with the existing CASESUBTYPE field as “OCD” when detecting over-constrained dispatch.

28.100.3 Notes

Name	Comment	Value
Visibility		Public

28.100.4 Primary Key Columns

Name

GLOBAL

REGIONID

RUNNO

SERVICETYPE

SETTLEMENTDATE

28.100.5 Index Columns

Name

LASTCHANGED

28.100.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	End date and time of the dispatch interval
RUNNO	NUMBER(3,0)	X	Dispatch run no
REGIONID	VARCHAR2(10)	X	Region Identifier
SERVICETYPE	VARCHAR2(10)	X	Ancillary service type identifier (e.g.

			LOWER60SEC)
GLOBAL	NUMBER(1,0)	X	FCAS Requirement: 1 = global, 0 = local
REQUIREMENT	NUMBER(15,5)		Relaxed Requirement used in attempt to avoid violation
LASTCHANGED	DATE		Last date and time record changed

28.101 Table: RESERVE

28.101.1 RESERVE

Name	RESERVE
Comment	RESERVE sets out specific reserve requirements for dispatch, predispatch and STPASA, for each half-hour interval by region. Updates show as new versions for a date.

28.101.2 Description

Two fields specify Frequency Controlled Ancillary Services requirements for the regulation ancillary services. Another two fields specify the Lack of Reserve levels to be applied in the ST PASA solver.

Change Notice 324 (for the FCAS Constraint enhancements project) means that Dispatch no longer utilises the static FCAS requirements defined in the DELTAMW and RESERVE tables. These tables are replaced with constraint data as a source of FCAS requirements.

RESERVE data is public, so is available to all participants.

Source

RESERVE updates as AEMO updates forecasts, daily.

28.101.3 Notes

Name	Comment	Value
Visibility		Public

28.101.4 Primary Key Columns

Name
PERIODID
REGIONID

SETTLEMENTDATE

VERSIONNO

28.101.5 Index Columns

Name

LASTCHANGED

28.101.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:00am
VERSIONNO	NUMBER(3,0)	X	Version No of record for this date, the version of the file loaded to produce these reserve figures
REGIONID	VARCHAR2(12)	X	Differentiates this region from all other regions
PERIODID	NUMBER(2,0)	X	Market Trading Interval
LOWER5MIN	NUMBER(6,0)		Lower 5 minute reserve requirement
LOWER60SEC	NUMBER(6,0)		Lower 60 second reserve requirement
LOWER6SEC	NUMBER(6,0)		Lower 6 second reserve requirement
RAISE5MIN	NUMBER(6,0)		Raise 5 minute reserve requirement
RAISE60SEC	NUMBER(6,0)		Raise 60 second reserve requirement
RAISE6SEC	NUMBER(6,0)		Raise 6 second reserve requirement
LASTCHANGED	DATE		Last date and time record changed
PASARESERVE	NUMBER(6,0)		PASA reserve requirement
LOADREJECTIONRESERVEREQ	NUMBER(10,0)		PASA Load rejection reserve requirement
RAISEREG	NUMBER(6,0)		Raise Regulation reserve requirement
LOWERREG	NUMBER(6,0)		Lower Regulation reserve requirement
LOR1LEVEL	NUMBER(6,0)		PASA Lack of Reserve 1 Level

LOR2LEVEL	NUMBER(6,0)		PASA Lack of Reserve 1 Level

28.102 Table: SET_CSP_DEROGATION_AMOUNT

28.102.1 SET_CSP_DEROGATION_AMOUNT

Name	SET_CSP_DEROGATION_AMOUNT
Comment	A settlement table for the publication of Snowy CSP derogation amounts.

28.102.2 Description

Source

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is 13440 for a based on the 35 settlement days posted per week. Note this data would only be delivered to the participant receiving payments from the derogation.

28.102.3 Notes

Name	Comment	Value
Visibility		Public

28.102.4 Primary Key Columns

Name
AMOUNT_ID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.102.5 Index Columns

Name

LASTCHANGED

28.102.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3)	X	Settlement run number
PERIODID	NUMBER(3)	X	Period identifier
PARTICIPANTID	VARCHAR2(10)	X	The participant allocated the payment amount for the derogation.
AMOUNT_ID	VARCHAR2(20)	X	Amount identifier represented as a string, from "TA1" through to "TA6" (or "TA8" for a LYMMCO derogation result)
DEROGATION_AMOUNT	NUMBER(18,8)		Derogation amount associated with the amount identifier
LASTCHANGED	DATE		Last changed date for the record

28.103 Table: SET_CSP_SUPPORTDATA_CONSTRAINT

28.103.1 SET_CSP_SUPPORTDATA_CONSTRAINT

Name SET_CSP_SUPPORTDATA_CONSTRAINT

Comment A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes the constraint-level information for each five minute interval in the settlement run

28.103.2 Description

Source

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is an average of 1000 per week based on the 35 settlement days posted per week.

28.103.3 Notes

Name	Comment	Value
Visibility		Public

28.103.4 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

PERIODID

SETTLEMENTDATE

VERSIONNO

28.103.5 Index Columns

Name

LASTCHANGED

28.103.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3)	X	Settlement run number
INTERVAL_DATETIME	DATE	X	Dispatch interval identifier
CONSTRAINTID	VARCHAR2(20)	X	Constraint identifier
PERIODID	NUMBER(3)	X	Settlements trading interval identifier

MARGINALVALUE	NUMBER(18,8)		Marginal value of the constraint
RHS	NUMBER(18,8)		RHS value of the constraint
LOWERTUMUT_FACTOR	NUMBER(18,8)		Value of the Lower Tumut left-hand term of the constraint
UPPERTUMUT_FACTOR	NUMBER(18,8)		Value of the Upper Tumut left hand term of the constraint
LOWERTUMUT_CSPA_COEFF	NUMBER(18,8)		LOWERTUMUT_FACTOR x MARGINALVALUE
UPPERTUMUT_CSPA_COEFF	NUMBER(18,8)		UPPERTUMUT_FACTOR x MARGINALVALUE
ABS_X	NUMBER(18,8)		Equal to RHS if the constraint direction is SOUTH, otherwise zero
ABS_Y	NUMBER(18,8)		Equal to RHS if the constraint direction is NORTH, otherwise zero
LASTCHANGED	DATE		Last changed date of the record

28.104 Table: SET_CSP_SUPPORTDATA_ENERGYDIFF

28.104.1 SET_CSP_SUPPORTDATA_ENERGYDIFF

Name SET_CSP_SUPPORTDATA_ENERGYDIFF

Comment A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes energy differential information for each half-hour interval in the settlement run

28.104.2 Description

THIS TABLE WILL BE DISCONTINUED AS PART OF THE END OF YEAR 2009 MMS RELEASESource

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is an average of 1000 per week based on the 35 settlement days posted per week.

28.104.3 Notes

Name	Comment	Value

Visibility	Public

28.104.4 Primary Key Columns

Name

PERIODID

SETTLEMENTDATE

VERSIONNO

28.104.5 Index Columns

Name

LASTCHANGED

28.104.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3)	X	Settlement run number
PERIODID	NUMBER(3)	X	Period identifier
LOWERTUMUT_SPDP	NUMBER(18,8)		Lower Tumut Substitute Price for the half hour interval
UPPERTUMUT_SPDP	NUMBER(18,8)		Upper Tumut Substitute Price for the half hour interval
LOWERTUMUT_EVDP	NUMBER(18,8)		Lower Tumut Energy Value Differential for the half hour interval
UPPERTUMUT_EVDP	NUMBER(18,8)		Upper Tumut Energy Value Differential for the half hour interval
FLOW_DIRECTION	VARCHAR2(20)		Indicates the determined direction of flow in the half hour. Will be either ""NORTH" or "SOUTH"
TOTAL_X	NUMBER(18,8)		Sum of all "ABS_X" values in the half hour

TOTAL_Y	NUMBER(18,8)		Sum of all "ABS_Y" values in the half hour
LOWERTUMUT_AGE	NUMBER(18,8)		Energy output of the Lower Tumut unit in the half hour interval
UPPERTUMUT_AGE	NUMBER(18,8)		Energy output of the Upper Tumut unit in the half hour interval
EVA	NUMBER(18,8)		Energy value adjustment for northward flows in the half-hour interval
LASTCHANGED	DATE		Last changed date for the record

28.105 Table: SET_CSP_SUPPORTDATA_SUBPRICE

28.105.1 SET_CSP_SUPPORTDATA_SUBPRICE

Name	SET_CSP_SUPPORTDATA_SUBPRICE
Comment	A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes substitution price information for each five minute interval in the settlement run

28.105.2 Description

Source

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is an average of 1000 per week based on the 35 settlement days posted per week.

28.105.3 Notes

Name	Comment	Value
Visibility		Public

28.105.4 Primary Key Columns

Name
INTERVAL_DATETIME

SETTLEMENTDATE

VERSIONNO

28.105.5 Index Columns

Name

LASTCHANGED

28.105.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3)	X	Settlement run number
INTERVAL_DATETIME	DATE	X	Dispatch interval identifier
PERIODID	NUMBER(3)		Period identifier
RRP	NUMBER(18,8)		SNOWY1 RRP for the dispatch interval
IS_CSP_INTERVAL	NUMBER(1)		A flag to indicate whether a binding CSP constraint was present in the dispatch interval. A value of 1 indicates that CSP processing occurred due to a binding CSP constraint, while a value of 0 indicates that no binding CSP constraints were present in this interval
LOWERTUMUT_TLF	NUMBER(18,8)		Transmission loss factor of the Lower Tumut unit
UPPERTUMUT_TLF	NUMBER(18,8)		Transmission Loss factor of the Upper Tumut unit
LOWERTUMUT_PRICE	NUMBER(18,8)		The dispatch price at the Lower Tumut node
UPPERTUMUT_PRICE	NUMBER(18,8)		The dispatch price at the Upper Tumut node
LOWERTUMUT_CSPA_COEFF	NUMBER(18,8)		Sum of CSPAxCOEFF for all constraints and Lower Tumut left-hand terms
UPPERTUMUT_CSPA_COEFF	NUMBER(18,8)		Sum of CSPAxCOEFF for all constraints and Upper Tumut left-hand terms

LOWERTUMUT_SPDP_UNCAPPED	NUMBER(18,8)		LOWERTUMUT_SPDP before VOLL or MPF capping is applied
UPPERTUMUT_SPDP_UNCAPPED	NUMBER(18,8)		UPPERTUMUT_SPDP before VOLL or MPF capping is applied
LOWERTUMUT_SPDP	NUMBER(18,8)		Substitute Price for Lower Tumut
UPPERTUMUT_SPDP	NUMBER(18,8)		Substitute Price for Upper Tumut
INTERVAL_ABS_X	NUMBER(18,8)		Sum of all ABS_X values for binding CSP constraints in the dispatch interval
INTERVAL_ABS_Y	NUMBER(18,8)		Sum of all ABS_Y values for binding CSP constraints in the dispatch interval
LASTCHANGED	DATE		Last changed date for the record

28.106 Table: SET_MR_PAYMENT

28.106.1 SET_MR_PAYMENT

Name	SET_MR_PAYMENT
Comment	SET_MR_PAYMENT shows trading interval payments on a dispatchable unit basis for accepted MR capacity.

28.106.2 Description

SET_MR_PAYMENT data is confidential to the relevant participant.

Source

SET_MR_PAYMENT updates are ad hoc, being for MR events only.

Volume

24000 rows per year

28.106.3 Notes

Name	Comment	Value
Visibility		Private

28.106.4 Primary Key Columns

Name

DUID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

28.106.5 Index Columns

Name

LASTCHANGED

28.106.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date (Calendar)
VERSIONNO	NUMBER(3,0)	X	Settlement Run Number for this date
REGIONID	VARCHAR2(10)	X	Unique Region Identifier
PARTICIPANTID	VARCHAR2(10)		Unique Participant identifier
DUID	VARCHAR2(10)	X	Unique identifier for DUID / MNSP LinkID
PERIODID	NUMBER(3,0)	X	Calendar day Trading Interval number
MR_CAPACITY	NUMBER(16,6)		Accepted MR Capacity
UNCAPPED_PAYMENT	NUMBER(16,6)		Uncapped Trading Interval Payment
CAPPED_PAYMENT	NUMBER(16,6)		Capped Trading Interval Payment
LASTCHANGED	DATE		Date/Time record inserted/modified

28.107 Table: SET_MR_RECOVERY

28.107.1 SET_MR_RECOVERY

Name	SET_MR_RECOVERY
Comment	SET_MR_RECOVERY shows the trading interval recovery charges on a dispatchable unit basis for spot market income from dispatch of MR capacity.

28.107.2 Description

SET_MR_RECOVERY data is confidential to the relevant participant.

Source

SET_MR_RECOVERY updates are ad hoc, being for MR events only.

Volume

24000 rows per year

28.107.3 Notes

Name	Comment	Value
Visibility		Private

28.107.4 Primary Key Columns

Name
DUID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.107.5 Index Columns

Name
LASTCHANGED

28.107.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date (Calendar)
VERSIONNO	NUMBER(3,0)	X	Settlement Run Number for this date
REGIONID	VARCHAR2(10)	X	Unique Region Identifier
PARTICIPANTID	VARCHAR2(10)		Unique Participant identifier
DUID	VARCHAR2(10)	X	Unique identifier for DUID / MNSP LinkID
PERIODID	NUMBER(3,0)	X	Calendar day Trading Interval number
ARODEF	NUMBER(16,6)		Accepted Restriction Offer Dispatched Energy Factor
NTA	NUMBER(16,6)		The amount payable to AEMO for that accepted restriction offer and trading interval
LASTCHANGED	DATE		Date/Time record inserted/modified

28.108 Table: SET_RUN_PARAMETER

28.108.1 SET_RUN_PARAMETER

Name SET_RUN_PARAMETER

Comment SET_RUN_PARAMETER shows the input parameters and value associated with each settlement run (e.g. Residual System Load Causer Pays Factor).

28.108.2 Description

Change History

19 August 2005 for 4.5.0:

Changed index name again to have suffix of _LCX

Note: primary key shows PK_ as prefix in Oracle SQL script, even though name of key has _PK as suffix - but cannot change since would not improve participant systems .

17 August 2005 for v4.5.0

Added tablespace (02) for recently added index, and gave index a better name

28.108.3 Notes

Name	Comment	Value
Visibility		Public

28.108.4 Primary Key Columns

Name
PARAMETERID
SETTLEMENTDATE
VERSIONNO

28.108.5 Index Columns

Name
LASTCHANGED

28.108.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date (Calendar)
VERSIONNO	NUMBER(3)	X	Settlement Run Number for this date
PARAMETERID	VARCHAR2(20)	X	Parameter Identifier
NUMVALUE	NUMBER(18,8)		Settlement Run Amount for the Constant Identifier
LASTCHANGED	DATE		Last date the record changed

28.109 Table: SETAGCPAYMENT

28.109.1 SETAGCPAYMENT

Name	SETAGCPAYMENT

Comment	SETAGCPAYMENT sets out specific payment details for Automatic Generation Control (AGC) services by period.

28.109.2 Description

SETAGCPAYMENT data is confidential to the relevant participant

Source

SETAGCPAYMENT updates with each settlement run.

28.109.3 Notes

Name	Comment	Value
Visibility		Private

28.109.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.109.5 Index Columns

Name
LASTCHANGED

28.109.6 Index Columns

Name
PARTICIPANTID

28.109.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
PERIODID	NUMBER(3,0)	X	Settlement Period Identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
REGIONID	VARCHAR2(10)		Region Identifier
TLF	NUMBER(7,5)		Transmission Loss Factor of Unit
EBP	NUMBER(15,5)		Eligible Bid Price
RRP	NUMBER(15,5)		Regional Reference Price
CLEAREDMW	NUMBER(15,5)		Cleared MW of Unit in Enabled Dispatch period
INITIALMW	NUMBER(15,5)		Initial MW of Unit in Enabled Dispatch period
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
CONTRACTVERSIONNO	NUMBER(3,0)		AS contract version no
OFFERDATE	DATE		Re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		Re-Offer Version No.
LASTCHANGED	DATE		Last date and time record changed

28.110 Table: SETAGCRECOVERY

28.110.1 SETAGCRECOVERY

Name SETAGCRECOVERY

Comment SETAGCRECOVERY shows reimbursements for Automatic Generation Control (AGC) Ancillary Services to be recovered from participants.

28.110.2 Description

SETAGCRECOVERY data is confidential to the relevant participant

Source

SETAGCRECOVERY updates with each settlement run.

28.110.3 Notes

Name	Comment	Value
Visibility		Private

28.110.4 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

28.110.5 Index Columns

Name

LASTCHANGED

28.110.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		

PERIODID	NUMBER(3,0)	X	Trading Interval
REGIONID	VARCHAR2(10)	X	Region Identifier
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
PARTICIPANTDEMAND	NUMBER(15,5)		Participant Demand in Region
REGIONDEMAND	NUMBER(15,5)		Total Regional Demand
ENABLINGRECOVERY	NUMBER(15,5)		Enabling Recovery
LASTCHANGED	DATE		Last date and time record changed
ENABLINGRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total Regional Demand for Generator

28.111 Table: SETAPCCOMPENSATION

28.111.1 SETAPCCOMPENSATION

Name	SETAPCCOMPENSATION
Comment	SETAPCCOMPENSATION shows Administered Price Cap (APC) compensation payments for each period.

28.111.2 Description

SETAPCCOMPENSATION data is confidential to the relevant participant.

Source

SETAPCCOMPENSATION updates in settlement runs, as needed.

28.111.3 Notes

Name	Comment	Value
Visibility		Private

28.111.4 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

28.111.5 Index Columns

Name

LASTCHANGED

28.111.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement run number
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Settlement period (based on calendar day)
APCCOMPENSATION	NUMBER(15,5)		APC amount
LASTCHANGED	DATE		Last date and time record changed

28.112 Table: SETAPCRECOVERY

28.112.1 SETAPCRECOVERY

Name SETAPCRECOVERY

Comment	SETAPCRECOVERY shows reimbursements for Administered Price Cap (APC) to be recovered from participants.

28.112.2 Description

SETAPCRECOVERY data is confidential to the relevant participant.

Source

SETAPCRECOVERY updates with each settlement run.

28.112.3 Notes

Name	Comment	Value
Visibility		Private

28.112.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.112.5 Index Columns

Name
LASTCHANGED

28.112.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date

VERSIONNO	NUMBER(3,0)	X	Settlement run number
PARTICIPANTID	VARCHAR2(10)	X	Participant identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Settlement period (based on calendar day)
TOTALCOMPENSATION	NUMBER(15,5)		Total compensation
PARTICIPANTDEMAND	NUMBER(15,5)		Participant MW Demand
REGIONDEMAND	NUMBER(15,5)		Total region demand
APCRECOVERY	NUMBER(15,5)		APC Recovery amount
LASTCHANGED	DATE		Last date and time record changed

28.113 Table: SETCPDATA

28.113.1 SETCPDATA

Name	SETCPDATA
Comment	SETCPDATA shows meter settlement data for each connection point. This is the key view for retailers to verify energy charges. A regional summary view is also provided. As the view has values for each connection point by period, for each meter data file, it is a very large view. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_TRANSACTIONS and SET_ENERGY_GENSET_DETAIL replace SETCPDATA.

28.113.2 Description

The Connection point details (in SETCPDATA) are confidential to the participant and host retailer that the connection points relate to. By comparison, the regional data (SETCPDATAREGION) is publically available.

Source

SETCPDATA updates with each Settlement run.

28.113.3 Notes

Name	Comment	Value
Visibility		Private

28.113.4 Primary Key Columns

Name

MDA

PARTICIPANTID

PERIODID

SETTLEMENTDATE

TCPID

VERSIONNO

28.113.5 Index Columns

Name

LASTCHANGED

28.113.6 Index Columns

Name

PARTICIPANTID

28.113.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(10,0)	X	Settlement run no
PERIODID	NUMBER(10,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
TCPID	VARCHAR2(10)	X	Connection point identifier
REGIONID	VARCHAR2(10)		Region Identifier

IGENERGY	NUMBER(16,6)		Import Gross energy into the pool - MWh
XGENERGY	NUMBER(16,6)		Export Gross energy from the pool - MWh
INENERGY	NUMBER(16,6)		Import Nett energy into the pool - MWh, plus UFEA if the UFEA amount is positive. When GS commences, this includes the UFEA amount in the settlement runs.
XNENERGY	NUMBER(16,6)		Export Nett energy from the pool - MWh, plus (UFEA * -1) if the UFEA amount is negative. When GS commences, this includes the UFEA amount in the settlement runs.
IPOWER	NUMBER(16,6)		Import reactive power
XPOWER	NUMBER(16,6)		Export reactive power
RRP	NUMBER(20,5)		Regional Reference Price
EEP	NUMBER(16,6)		Excess Energy Price
TLF	NUMBER(7,5)		Transmission Loss Factor
CPRRP	NUMBER(16,6)		Connection Point Price = RRP * TLF
CPEEP	NUMBER(16,6)		Connection Point Excess Energy Price = EEP * TLF
TA	NUMBER(16,6)		Export - Import of Net energy (MWh)
EP	NUMBER(16,6)		settlement amount in $ for trading period
APC	NUMBER(16,6)		Not used
RESC	NUMBER(16,6)		Not used
RESP	NUMBER(16,6)		Not used
METERRUNNO	NUMBER(10,0)		Meter Run Number = version number of the meter file
LASTCHANGED	DATE		Last date and time record changed
HOSTDISTRIBUTOR	VARCHAR2(10)		Not used
MDA	VARCHAR2(10)	X	Metering Data Agent
AFE	NUMBER(18,8)		Accounted For Energy for this Market Customer FRMP and TNI in the Settlements Trading Interval, excluding any UFEA component

DME	NUMBER(18,8)		Sum of ME- for all NMIs at this Market Customer FRMP and TNI in the Settlements Trading Interval.
UFEA	NUMBER (18,8)		Share of UFE allocated to this FRMP and TNI in the Settlements Trading Interval.
AGE	NUMBER (18,8)		Adjusted Gross Energy for this Market Customer FRMP and TNI in the Settlements Trading Interval. When GS commences, this includes the UFEA amount in the settlement runs.
IMPORTENERGYCOST	NUMBER(18,8)		The total cost of energy sold at the connection point by the participant in this settlement interval
EXPORTENERGYCOST	NUMBER(18,8)		The total cost of energy purchased at the connection point by the participant in this settlement interval

28.114 Table: SETCPDATAREGION

28.114.1 SETCPDATAREGION

Name	SETCPDATAREGION
Comment	SETCPDATAREGION sets out summary meter settlement data for each region. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_REGION_SUMMARY replace SETCPDATAREGION.

28.114.2 Description

SETCPDATAREGION data is public, so is available to all participants.

Source

SETCPDATAREGION is a summary based on grouping on SETCPDATA and is updated with each settlement run.

28.114.3 Notes

Name	Comment	Value
Visibility		Public

28.114.4 Primary Key Columns

Name

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

28.114.5 Index Columns

Name

LASTCHANGED

28.114.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(22,10)	X	Settlement run no
PERIODID	NUMBER(22,10)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
SUMIGENERGY	NUMBER(27,5)		Import Gross energy into the pool - MWh
SUMXGENERGY	NUMBER(27,5)		Export Gross energy from the pool - MWh
SUMINENERGY	NUMBER(27,5)		Import Nett energy into the pool - MWh
SUMXNENERGY	NUMBER(27,5)		Export Nett energy from the pool - MWh
SUMIPOWER	NUMBER(22,0)		Not used
SUMXPOWER	NUMBER(22,0)		Not used
LASTCHANGED	DATE		current system date, to enable automatic replication
SUMEP	NUMBER(15,5)		Sum of energy price across the region

28.115 Table: SETFCASCOMP

28.115.1 SETFCASCOMP

Name	SETFCASCOMP
Comment	SETFCASCOMP shows the compensation details for Frequency Controlled Ancillary Services (FCAS). These compensation values are calculated by a separate "what if" run of the LP Solver and entered as an unconstrained MW value into settlements.

28.115.2 Description

SETFCASCOMP data is confidential to the relevant participant

Source

SETFCASCOMP updates with each Settlement run, if required.

28.115.3 Notes

Name	Comment	Value
Visibility		Private

28.115.4 Primary Key Columns

Name
DUID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.115.5 Index Columns

Name
LASTCHANGED

28.115.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
DUID	VARCHAR2(10)	X	Dispatchable Unit ID
REGIONID	VARCHAR2(10)		Region Identifier
PERIODID	NUMBER(3,0)	X	Period Identifier
CCPRICE	NUMBER(15,5)		Compensation Cap
CLEAREDMW	NUMBER(15,5)		Cleared MW of Unit in First Dispatch period in Trading Interval
UNCONSTRAINEDMW	NUMBER(15,5)		Initial MW of Unit in First Dispatch period in Trading Interval
EBP	NUMBER(15,5)		Eligible Bid Price
TLF	NUMBER(7,5)		Transmission Loss Factor of Unit
RRP	NUMBER(15,5)		Regional Reference Price
EXCESSGEN	NUMBER(15,5)		Excess Generation Payment in trading interval
FCASCOMP	NUMBER(15,5)		Frequency Control AS Compensation payment to Generator
LASTCHANGED	DATE		

28.116 Table: SETFCASRECOVERY

28.116.1 SETFCASRECOVERY

Name SETFCASRECOVERY

Comment SETFCASERECOVERY shows reimbursements for the Frequency Control Ancillary Services compensation.

28.116.2 Description

Status

SETFCASERECOVERY is obsolete since the implementation of Ancillary Services Review. For more details, see Change Notice 126.

Confidential to the participant

Source

This view is updated with each Settlement run.

28.116.3 Notes

Name	Comment	Value
Visibility		Private

28.116.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.116.5 Index Columns

Name
LASTCHANGED

28.116.6 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement run no
DUID	VARCHAR2(10)		Dispatchable Unit identifier
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Settlement Period identifier
FCASCOMP	NUMBER(15,5)		Frequency Control Ancillary Service Compensation Payment
PARTICIPANTDEMAND	NUMBER(15,5)		Participant Demand in Region
REGIONDEMAND	NUMBER(15,5)		Total Regional demand
FCASRECOVERY	NUMBER(15,5)		Frequency Control Ancillary Service recovery amount.
LASTCHANGED	DATE		Date and Time last changed
FCASRECOVERY_GEN	NUMBER(15,5)		Frequency Control Ancillary Service recovery amount for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total Regional Demand for Generator

28.117 Table: SETGENDATA

28.117.1 SETGENDATA

Name	SETGENDATA
Comment	SETGENDATA shows meter settlement data for each generation meter point. A regional summary is also provided. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_TRANSACTIONS and SET_ENERGY_GENSET_DETAIL replace SETGENDATA.

28.117.2 Description

SETGENDATA shows generator meter details, and SETGENDATA data is confidential to the participant. By comparison, the regional summary (SETGENDATAREGION) is public data.

Source

SETGENDATA updates with each Settlement run.

28.117.3 Notes

Name	Comment	Value
Visibility		Private

28.117.4 Primary Key Columns

Name
DUID
GENSETID
PERIODID
REGIONID
SETTLEMENTDATE
STATIONID
VERSIONNO

28.117.5 Index Columns

Name
LASTCHANGED

28.117.6 Index Columns

Name
PARTICIPANTID

28.117.7 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(10,0)	X	Settlement run no
PERIODID	NUMBER(10,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
STATIONID	VARCHAR2(10)	X	Station Identifier
DUID	VARCHAR2(10)	X	Dispatchable Unit identifier
GENSETID	VARCHAR2(10)	X	Physical unit identifier
REGIONID	VARCHAR2(10)	X	Region Identifier
GENERGY	NUMBER(16,6)		Generated energy
AENERGY	NUMBER(16,6)		Purchased Energy
GPOWER	NUMBER(16,6)		Not used
APOWER	NUMBER(16,6)		Not used
RRP	NUMBER(20,5)		Regional Reference Price
EEP	NUMBER(16,6)		Excess Energy Price
TLF	NUMBER(7,5)		Transmission Loss Factor
CPRRP	NUMBER(16,6)		Connection Point Price = RRP * TLF
CPEEP	NUMBER(16,6)		Connection Point Excess Energy Price = EEP * TLF
NETENERGY	NUMBER(16,6)		Generated energy
ENERGYCOST	NUMBER(16,6)		Cost of net energy $
EXCESSENERGYCOST	NUMBER(16,6)		Cost of excess energy $
APC	NUMBER(16,6)		Administered Price Compensation
RESC	NUMBER(16,6)		Not used
RESP	NUMBER(16,6)		Not used
LASTCHANGED	DATE		Last date and time record changed
EXPENERGY	NUMBER(15,6)		Export Energy (Generator Purchases) (MWh)

EXPENERGYCOST	NUMBER(15,6)		Export Energy Cost ($)
METERRUNNO	NUMBER(6,0)		Identifier of the meter run used in this settlement calculation
MDA	VARCHAR2(10)		Metering Data Agent
SECONDARY_TLF	NUMBER(7,5)		Secondary Transmission Loss Factor

28.118 Table: SETGENDATAREGION

28.118.1 SETGENDATAREGION

Name	SETGENDATAREGION
Comment	SETGENDATAREGION sets out summary settlement data for generation within the specified region. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_REGION_SUMMARY replace SETGENDATAREGION.

28.118.2 Description

SETGENDATAREGION shows the regional summary. SETGENDATAREGION is public data.

Source

SETGENDATAREGION updates with each Settlement run.

28.118.3 Notes

Name	Comment	Value
Visibility		Public

28.118.4 Primary Key Columns

Name
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.118.5 Index Columns

Name

LASTCHANGED

28.118.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(22,10)	X	Settlement run no
PERIODID	NUMBER(22,10)	X	Settlements Trading Interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
GENERGY	NUMBER(22,0)		Generated energy - Not used in MMS Data Model
AENERGY	NUMBER(22,0)		Purchased Energy - Not used in MMS Data Model
GPOWER	NUMBER(22,0)		Not used in MMS Data Model
APOWER	NUMBER(22,0)		Not used in MMS Data Model
NETENERGY	NUMBER(27,5)		Net energy MW/hours
ENERGYCOST	NUMBER(27,5)		Cost of net energy $
EXCESSENERGYCOST	NUMBER(27,5)		Cost of excess energy $
EXPENERGY	NUMBER(27,6)		Export Energy (Generator Purchases)
EXPENERGYCOST	NUMBER(27,6)		Export Energy Cost
LASTCHANGED	DATE		current system date, to enable automatic replication

28.119 Table: SETGOVPAYMENT

28.119.1 SETGOVPAYMENT

Name	SETGOVPAYMENT
Comment	SETGOVPAYMENTshows specific payment details for Governor services by period.

28.119.2 Description

SETGOVPAYMENT is planned to become unused when Ancillary Services Review is implemented. For more details, see Change Notice 126 (1 Sep 2000), Change Notice 126a (18 Sep 2000) and any subsequent Change Notices with the same number.

SETGOVPAYMENT data is confidential to each participant.

Frequency and source

SETGOVPAYMENT updates with each settlement run.

28.119.3 Notes

Name	Comment	Value
Visibility		Private

28.119.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.119.5 Index Columns

Name
LASTCHANGED

28.119.6 Index Columns

Name

PARTICIPANTID

28.119.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
CONTRACTID	VARCHAR2(10)	X	Contract Identifier
PERIODID	NUMBER(3,0)	X	Period Identifier
DUID	VARCHAR2(10)		Dispatchable Unit ID
REGIONID	VARCHAR2(10)		Region Identifier
TLF	NUMBER(7,5)		Transmission Loss Factor of Unit
RL6SECRAISE	NUMBER(15,5)		contract enabling price - 6 sec raise
RL60SECRAISE	NUMBER(15,5)		contract enabling price - 60 sec raise
RL6SECLOWER	NUMBER(15,5)		contract enabling price - 6 sec lower
RL60SECLOWER	NUMBER(15,5)		contract enabling price - 60 sec lower
DEADBANDUP	NUMBER(7,5)		contracted dead band up
DEADBANDDOWN	NUMBER(7,5)		contracted dead band down
R6	NUMBER(15,5)		6 sec raise response for 1% deviation in frequency (droop equation)
R60	NUMBER(15,5)		60 sec raise response for 1% deviation in frequency (droop equation)
L6	NUMBER(15,5)		6 sec lower response for 1% deviation in frequency (droop equation)

L60	NUMBER(15,5)		60 sec lower response for 1% deviation in frequency (droop equation)
RL6	NUMBER(15,5)		6 sec raise response limit equation
RL60	NUMBER(15,5)		60 sec raise response limit equation
LL6	NUMBER(15,5)		6 sec lower response limit equation
LL60	NUMBER(15,5)		6 sec lower response limit equation
ENABLING6RPAYMENT	NUMBER(15,5)		6 sec raise enabling payment
ENABLING60RPAYMENT	NUMBER(15,5)		60 sec raise enabling payment
ENABLING6LPAYMENT	NUMBER(15,5)		6 sec lower enabling payment
ENABLING60LPAYMENT	NUMBER(15,5)		60 sec lower enabling payment
CONTRACTVERSIONNO	NUMBER(3,0)		AS contract version no
OFFERDATE	DATE		re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		re-offer offer version
LASTCHANGED	DATE		Last date and time record changed

28.120 Table: SETGOVRECOVERY

28.120.1 SETGOVRECOVERY

Name	SETGOVRECOVERY
Comment	SETGOVRECOVERY shows reimbursements for the Governor Ancillary Services to be recovered from participants.

28.120.2 Description

SETGOVRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETGOVRECOVERY data is confidential to each participant.

Source

SETGOVRECOVERY updates with each settlement run.

28.120.3 Notes

Name	Comment	Value
Visibility		Private

28.120.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.120.5 Index Columns

Name
LASTCHANGED

28.120.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		
PERIODID	NUMBER(3,0)	X	Trading Interval
REGIONID	VARCHAR2(10)	X	Region Identifier
ENABLING6RPAYMENT	NUMBER(15,5)		Enabling Payment 6 Second Raise
ENABLING60RPAYMENT	NUMBER(15,5)		Enabling Payment 60 Second Raise

ENABLING6LPAYMENT	NUMBER(15,5)		Enabling Payment 6 Second Lower
ENABLING60LPAYMENT	NUMBER(15,5)		Enabling Payment 60 Second Lower
PARTICIPANTDEMAND	NUMBER(15,5)		Participant Demand in Region
REGIONDEMAND	NUMBER(15,5)		Total Regional Demand
ENABLING6RRECOVERY	NUMBER(15,5)		Enabling Recovery 6 Second Raise
ENABLING60RRECOVERY	NUMBER(15,5)		Enabling Recovery 60 Second Raise
ENABLING6LRECOVERY	NUMBER(15,5)		Enabling Recovery 6 Second Lower
ENABLING60LRECOVERY	NUMBER(15,5)		Enabling Recovery 60 Second Lower
LASTCHANGED	DATE		Last date and time record changed
ENABLING6LRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery 6 Second Lower for Generator
ENABLING6RRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery 6 Second Raise for Generator
ENABLING60LRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery 60 Second Lower for Generator
ENABLING60RRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery 60 Second Raise for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total Regional Demand for Generator

28.121 Table: SETINTERVENTION

28.121.1 SETINTERVENTION

Name	SETINTERVENTION
Comment	SETINTERVENTION shows intervention settlement payment details by unit.

28.121.2 Description

SETINTERVENTION became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETINTERVENTION data is confidential to each participant.

Source

SETINTERVENTION is unused; was updating when intervention occurred in a billing run.

28.121.3 Notes

Name	Comment	Value
Visibility		Private

28.121.4 Primary Key Columns

Name

DUID

PERIODID

SETTLEMENTDATE

VERSIONNO

28.121.5 Index Columns

Name

LASTCHANGED

28.121.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PERIODID	NUMBER(3,0)	X	Settlement Period identifier
CONTRACTID	VARCHAR2(10)		Intervention Contract Identifier
CONTRACTVERSION	NUMBER(3,0)		Intervention Contract Version
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier

REGIONID	VARCHAR2(10)		Region Identifier
DUID	VARCHAR2(10)	X	Dispatchable Unit ID
RCF	CHAR(1)		Regional Recovery Flag
INTERVENTIONPAYMENT	NUMBER(12,5)		Payment to Generator for Intervention
LASTCHANGED	DATE		Last date and time record changed

28.122 Table: SETINTERVENTIONRECOVERY

28.122.1 SETINTERVENTIONRECOVERY

Name	SETINTERVENTIONRECOVERY
Comment	SETINTERVENTIONRECOVERY shows intervention recovery details by participant.

28.122.2 Description

Status

SETINTERVENTIONRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

Confidential to participant

Source

Unused; was updating when intervention occurred in a billing run.

28.122.3 Notes

Name	Comment	Value
Visibility		Private

28.122.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

28.122.5 Index Columns

Name

LASTCHANGED

28.122.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Calendar Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PERIODID	NUMBER(3,0)	X	Settlement Period identifier
CONTRACTID	VARCHAR2(10)	X	Intervention Contract Identifier
RCF	CHAR(1)		Regional Recovery Flag
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
PARTICIPANTDEMAND	NUMBER(12,5)		Demand of Participant in Region/Market
TOTALDEMAND	NUMBER(12,5)		Total Demand of Region/Market
INTERVENTIONPAYMENT	NUMBER(12,5)		Payment to Generator for Intervention
INTERVENTIONAMOUNT	NUMBER(12,5)		Retailer Payment to Pool for Intervention
LASTCHANGED	DATE		Last date and time record changed
REGIONID	VARCHAR2(10)		Region Identifier

28.123 Table: SETIRFMRECOVERY

28.123.1 SETIRFMRECOVERY

Name	SETIRFMRECOVERY
Comment	SETIRFMRECOVERY sets out reimbursements for Industrial Relations Force Majeure to be recovered from participants.

28.123.2 Description

SETIRFMRECOVERY data is confidential to the relevant participant.

Source

SETIRFMRECOVERY updates with each settlement run.

28.123.3 Notes

Name	Comment	Value
Visibility		Private

28.123.4 Primary Key Columns

Name
IRFMID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.123.5 Index Columns

Name
LASTCHANGED

28.123.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
VERSIONNO	NUMBER(3,0)	X	Version number
PERIODID	NUMBER(3,0)	X	Settlement period ID
IRFMID	VARCHAR2(10)	X	Industrial Relations Forced Majeure event number
IRMFVERSION	NUMBER(3,0)		Industrial Relations Forced Majeure event number
PARTICIPANTID	VARCHAR2(10)	X	Participant unique identifier
PARTICIPANTDEMAND	NUMBER(12,5)		Participant demand
TOTALTCD	NUMBER(12,5)		Total non franchised load in Victoria.
TOTALTFD	NUMBER(12,5)		Total franchised load in Victoria.
IRFMAMOUNT	NUMBER(12,5)		Industrial Relations Forced Majeure event amount in $.
IRFMPAYMENT	NUMBER(12,5)		Industrial Relations Forced Majeure payment amount in $.
LASTCHANGED	DATE		Last date and time record changed

28.124 Table: SETLULOADPAYMENT

28.124.1 SETLULOADPAYMENT

Name SETLULOADPAYMENT

Comment SETLULOADPAYMENT shows specific payment details for rapid unit load services by period.

28.124.2 Description

SETLULOADPAYMENT became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETLULOADPAYMENT data is confidential to each participant.

Source

SETLULOADPAYMENT is unused; was updated with each settlement run.

28.124.3 Notes

Name	Comment	Value
Visibility		Private

28.124.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.124.5 Index Columns

Name
LASTCHANGED

28.124.6 Index Columns

Name
PARTICIPANTID

28.124.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date

VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
CONTRACTID	VARCHAR2(10)	X	AS Contract Identifier
PERIODID	NUMBER(3,0)	X	Trading Interval
DUID	VARCHAR2(10)		Dispatchable Unit Identifier
REGIONID	VARCHAR2(10)		Region Identifier
TLF	NUMBER(7,5)		Transmission Loss Factor
EBP	NUMBER(15,5)		Eligible Bid Price
RRP	NUMBER(15,5)		Regional Reference Price
ENABLINGPRICE	NUMBER(15,5)		Enabling Price
USAGEPRICE	NUMBER(15,5)		Usage Price
CCPRICE	NUMBER(15,5)		Compensation Cap
BLOCKSIZE	NUMBER(4,0)		Indicates how much of the unit at one given time is available for the ancillary service.
ACR	NUMBER(6,2)		Dispatch target
UNITOUTPUT	NUMBER(15,5)		Unit output.
UNITEXCESSGEN	NUMBER(15,5)		Excess Generation
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
USAGEPAYMENT	NUMBER(15,5)		Usage Payment
COMPENSATIONPAYMENT	NUMBER(15,5)		Compensation Payment
CONTRACTVERSIONNO	NUMBER(3,0)		Contract Version No.
OFFERDATE	DATE		Re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		Re-Offer Version No.
LASTCHANGED	DATE		Last date and time record changed

28.125 Table: SETLULOADRECOVERY

28.125.1 SETLULOADRECOVERY

Name	SETLULOADRECOVERY
Comment	SETLULOADRECOVERY shows reimbursements for rapid-unit-load Ancillary Services to be recovered from participants.

28.125.2 Description

SETLULOADRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETLULOADRECOVERY data is confidential to each participant.

Source

SETLULOADRECOVERY is unused; was updated with each settlement run.

28.125.3 Notes

Name	Comment	Value
Visibility		Private

28.125.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

28.125.5 Index Columns

Name

LASTCHANGED

28.125.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		AS Contract ID
PERIODID	NUMBER(3,0)	X	Trading Interval
REGIONID	VARCHAR2(10)	X	Region Identifier
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
USAGEPAYMENT	NUMBER(15,5)		Usage Payment
COMPENSATIONPAYMENT	NUMBER(15,5)		Compensation Payment
PARTICIPANTDEMAND	NUMBER(15,5)		Participant Demand in Region
REGIONDEMAND	NUMBER(15,5)		Total Regional Demand
ENABLINGRECOVERY	NUMBER(15,5)		Enabling Recovery
USAGERECOVERY	NUMBER(15,5)		Usage Recovery
COMPENSATIONRECOVERY	NUMBER(15,5)		Compensation Recovery
LASTCHANGED	DATE		Last date and time record changed
ENABLINGRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery for Generator
USAGERECOVERY_GEN	NUMBER(15,5)		Usage Recovery for Generator
COMPENSATIONRECOVERY_GEN	NUMBER(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total Regional Demand for Generator

28.126 Table: SETLUNLOADPAYMENT

28.126.1 SETLUNLOADPAYMENT

Name	SETLUNLOADPAYMENT
Comment	SETLUNLOADPAYMENT shows specific payment details for rapid unit unload service.

28.126.2 Description

SETLUNLOADPAYMENT data is confidential to the relevant participant.

Source

SETLUNLOADPAYMENT updates with each settlement run.

28.126.3 Notes

Name	Comment	Value
Visibility		Private

28.126.4 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.126.5 Index Columns

Name
LASTCHANGED

28.126.6 Index Columns

Name

PARTICIPANTID

28.126.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
VERSIONNO	NUMBER(3,0)	X	Settlement run no
PARTICIPANTID	VARCHAR2(10)	X	Unique participant identifier
CONTRACTID	VARCHAR2(10)	X	Ancillary Services contract identifier
PERIODID	NUMBER(3,0)	X	Trading Interval
DUID	VARCHAR2(10)		Dispatchable unit identifier
REGIONID	VARCHAR2(10)		Region identifier
TLF	NUMBER(7,5)		Transmission Loss Factor
EBP	NUMBER(15,5)		Eligible bid price
RRP	NUMBER(15,5)		Regional Reference Price
ENABLINGPRICE	NUMBER(15,5)		Enabling price
USAGEPRICE	NUMBER(15,5)		Usage Price
CCPRICE	NUMBER(15,5)		Compensation cap
CLEAREDMW	NUMBER(15,5)		Cleared MW of Unit in Dispatch, Predispatch or Trading period.
UNCONSTRAINEDMW	NUMBER(15,5)		MW output the generator would have been running at had it not been constrained up to provide unit unloading
CONTROLRANGE	NUMBER(4,0)		The MW output achieved in 5 minutes from startup and is what payment is based on.
ENABLINGPAYMENT	NUMBER(15,5)		Enabling payment
USAGEPAYMENT	NUMBER(15,5)		Usage Payment

COMPENSATIONPAYMENT	NUMBER(15,5)		Compensation payment
CONTRACTVERSIONNO	NUMBER(3,0)		Contract version number
OFFERDATE	DATE		Re-offer offer date
OFFERVERSIONNO	NUMBER(3,0)		Re-Offer Version No.
LASTCHANGED	DATE		Date last changed

28.127 Table: SETLUNLOADRECOVERY

28.127.1 SETLUNLOADRECOVERY

Name	SETLUNLOADRECOVERY
Comment	SETLUNLOADRECOVERY shows reimbursements for rapid unit unloading Ancillary Services to be recovered from participants.

28.127.2 Description

SETLUNLOADRECOVERY data is confidential to the relevant participant.

Source

SETLUNLOADRECOVERY updates with each settlement run.

28.127.3 Notes

Name	Comment	Value
Visibility		Private

28.127.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE

VERSIONNO

28.127.5 Index Columns

Name

LASTCHANGED

28.127.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PARTICIPANTID	VARCHAR2(10)	X	Participant to pay recovery
CONTRACTID	VARCHAR2(10)		AS Contract
PERIODID	NUMBER(3,0)	X	Trading Interval
REGIONID	VARCHAR2(10)	X	Region Identifier
ENABLINGPAYMENT	NUMBER(15,5)		Enabling Payment
USAGEPAYMENT	NUMBER(15,5)		Usage Payment
COMPENSATIONPAYMENT	NUMBER(15,5)		Compensation Payment
PARTICIPANTDEMAND	NUMBER(15,5)		Participant Demand in Region
REGIONDEMAND	NUMBER(15,5)		Total Regional Demand
ENABLINGRECOVERY	NUMBER(15,5)		Enabling Recovery
USAGERECOVERY	NUMBER(15,5)		Usage Recovery
COMPENSATIONRECOVERY	NUMBER(15,5)		Compensation Recovery
LASTCHANGED	DATE		Last date and time record changed
ENABLINGRECOVERY_GEN	NUMBER(15,5)		Enabling Recovery for Generator
USAGERECOVERY_GEN	NUMBER(15,5)		Usage Recovery for Generator

COMPENSATIONRECOVERY_GEN	NUMBER(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	NUMBER(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	NUMBER(15,5)		Total Regional Demand for Generator

28.128 Table: SETRESERVETRADER

28.128.1 SETRESERVETRADER

Name	SETRESERVETRADER
Comment	SETRESERVETRADER shows reserve trader details.

28.128.2 Description

SETRESERVETRADER data is confidential to the relevant participant.

Source

SETRESERVETRADER updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. SETRESERVETRADER is empty until such an event occurs.

28.128.3 Notes

Name	Comment	Value
Visibility		Private

28.128.4 Primary Key Columns

Name

DUID

PERIODID

SETTLEMENTDATE

VERSIONNO

28.128.5 Index Columns

Name

LASTCHANGED

28.128.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement Run No.
PERIODID	NUMBER(3,0)	X	Period Identifier
CONTRACTID	VARCHAR2(10)		Reserve Trader Contract Identifier
CONTRACTVERSION	NUMBER(3,0)		Reserve Trader Contract Version
PARTICIPANTID	VARCHAR2(10)		Unique participant identifier
REGIONID	VARCHAR2(10)		Region Identifier
DUID	VARCHAR2(10)	X	Dispatchable Unit ID
RCF	CHAR(1)		Reserve Recovery Flag
UNITAVAIL	NUMBER(6,2)		Offered Availability of Unit
CPA	NUMBER(12,5)		Contract Availability Payment
CPE	NUMBER(12,5)		Contract Enabling Payment
CPU	NUMBER(12,5)		Contract Usage Payment
CPTOTAL	NUMBER(12,5)		Total Payment for Contract
CAPDIFFERENCE	NUMBER(12,5)		Spot payment applicable to the capacity above the enabling threshold
LASTCHANGED	DATE		Last date and time record changed

28.129 Table: SETSMALLGENDATA

28.129.1 SETSMALLGENDATA

Name SETSMALLGENDATA

Comment Publishes metering data and associated settlement values for with registered Small

Generator Aggregator participants connection points. The table is populated for participants using Data Model 5.2. For participants using Data Model 5.3 or higher, SET_ENERGY_TRANSACTIONS and SET_ENERGY_GENSET_DETAIL replace SETSMALLGENDATA.

28.129.2 Notes

Name	Comment	Value
Visibility		Private

28.129.3 Primary Key Columns

Name
CONNECTIONPOINTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

28.129.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
VERSIONNO	NUMBER(3,0)	X	Version number of the record for the settlement date
CONNECTIONPOINTID	VARCHAR2(20)	X	Transmission Node Identifier (TNI)
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR2(20)	X	Unique participant identifier
REGIONID	VARCHAR2(20)		Region Identifier
IMPORTENERGY	NUMBER(18,8)		The import direction value for the meter read (MWh)

EXPORTENERGY	NUMBER(18,8)		The export direction value for the meter read (MWh)
RRP	NUMBER(18,8)		Regional Reference Price
TLF	NUMBER(18,8)		Transmission Loss Factor
IMPENERGYCOST	NUMBER(18,8)		Import Energy Cost ($)
EXPENERGYCOST	NUMBER(18,8)		Export Energy Cost ($)
LASTCHANGED	DATE		Last date and time the record changed

28.130 Table: SETVICBOUNDARYENERGY

28.130.1 SETVICBOUNDARYENERGY

Name	SETVICBOUNDARYENERGY
Comment	SETVICBOUNDARYENERGY is as requested by Participants for the settlement of Victorian Vesting contracts.

28.130.2 Description

SETVICBOUNDARYENERGY data is confidential to the relevant participants.

Source

SETVICBOUNDARYENERGY is populated by the posting of a billing run.

Volume

Generally there are approximately 550 records inserted per week.

28.130.3 Notes

Name	Comment	Value
Visibility		Private

28.130.4 Primary Key Columns

Name
PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

28.130.5 Index Columns

Name

LASTCHANGED

28.130.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement and date
VERSIONNO	NUMBER(3,0)	X	Version number
PARTICIPANTID	VARCHAR2(10)	X	Participant Identifier
PERIODID	NUMBER(3,0)	X	Period Identifier
BOUNDARYENERGY	NUMBER(15,5)		Interval energy purchases in Victoria when host distributor = Pool (in MWh)
LASTCHANGED	DATE		Last changed

28.131 Table: SETVICENERGYFIGURES

28.131.1 SETVICENERGYFIGURES

Name SETVICENERGYFIGURES

Comment SETVICENERGYFIGURES is used in settlement of Victorian Vesting contracts.

28.131.2 Description

SETVICENERGYFIGURES data is public, so is available to all participants.

Source

SETVICENERGYFIGURES updates daily, with settlements.

28.131.3 Notes

Name	Comment	Value
Visibility		Public

28.131.4 Primary Key Columns

Name
PERIODID
SETTLEMENTDATE
VERSIONNO

28.131.5 Index Columns

Name
LASTCHANGED

28.131.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement date
VERSIONNO	NUMBER(3,0)	X	Version number
PERIODID	NUMBER(3,0)	X	Settlement period
TOTALGENOUTPUT	NUMBER(15,5)		Total generator output
TOTALPCSD	NUMBER(15,5)		Total participant demand
LASTCHANGED	DATE		Last changed
TLR	NUMBER(15,6)		Transmission loss factor
MLF	NUMBER(15,6)		Marginal loss factor

28.132 Table: SETVICENERGYFLOW

28.132.1 SETVICENERGYFLOW

Name	SETVICENERGYFLOW
Comment	SETVICENERGYFLOW is used in settlement of Victorian Vesting contracts.

28.132.2 Description

SETVICENERGYFLOW data is public, so is available to all participants.

Source

SETVICENERGYFLOW updates daily, with settlements

28.132.3 Notes

Name	Comment	Value
Visibility		Public

28.132.4 Primary Key Columns

Name
PERIODID
SETTLEMENTDATE
VERSIONNO

28.132.5 Index Columns

Name
LASTCHANGED

28.132.6 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	DATE	X	Settlement date
VERSIONNO	NUMBER(3,0)	X	Version number
PERIODID	NUMBER(3,0)	X	Settlement period
NETFLOW	NUMBER(15,5)		Net metered energy flowing across the V-SN and V-SA interconnectors
LASTCHANGED	DATE		Last changed

28.133 Table: STPASA_SYSTEMSOLUTION

28.133.1 STPASA_SYSTEMSOLUTION

Name	STPASA_SYSTEMSOLUTION
Comment	STPASA_SYSTEMSOLUTION is obsolete from 2005 End of Year Release. For solution information, see Region solution tables. STPASA_SYSTEMSOLUTION showed the results of the system capacity evaluations for each interval of the study.

28.133.2 Description

STPASA_SYSTEMSOLUTION is public data.

Source

STPASA_SYSTEMSOLUTION is updated each STPASA run (half-hourly).

Volume

Rows per day: 48

Mb per month: <1

28.133.3 Notes

Name	Comment	Value
Visibility		Public

28.133.4 Primary Key Columns

Name

INTERVAL_DATETIME

28.133.5 Index Columns

Name

LASTCHANGED

28.133.6 Index Columns

Name

RUN_DATETIME

28.133.7 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
SYSTEMDEMAND50	NUMBER(12,2)		Sum of Demand 50% PoE
RESERVEREQ	NUMBER(12,2)		System total reserve requirement
UNCONSTRAINEDCAPACITY	NUMBER(12,2)		System energy unconstrained capacity MW subject to energy and network constraints
CONSTRAINEDCAPACITY	NUMBER(12,2)		System energy constrained capacity MW subject to energy and network constraints
SURPLUSCAPACITY	NUMBER(12,2)		System capacity surplus MW, +/- values indicate surplus/deficit capacity
SURPLUSRESERVE	NUMBER(12,2)		System reserve surplus MW, +/- values indicate surplus/deficit reserve
RESERVECONDITION	NUMBER(1,0)		The system reserve condition: 0 Adequate, 1 LRC
LASTCHANGED	DATE		Last changed date of this record

28.134 Table: STPASA_UNITSOLUTION

28.134.1 STPASA_UNITSOLUTION

Name	STPASA_UNITSOLUTION
Comment	STPASA_UNITSOLUTION shows the unit results from the capacity evaluations for each period of the study.

28.134.2 Description

STPASA_UNITSOLUTION was discontinued in the End Year 2005 MMS Release. See Change Notice 512c for further details.

STPASA_UNITSOLUTION is confidential data.

Source

STPASA_UNITSOLUTION is updated each STPASA run (i.e. every 2 hours).

28.134.3 Notes

Name	Comment	Value
Visibility		Private

28.134.4 Primary Key Columns

Name
DUID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE

28.134.5 Index Columns

Name
LASTCHANGED

28.134.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
DUID	VARCHAR2(10)	X	Dispatchable unit Identifier
CONNECTIONPOINTID	VARCHAR2(10)		Connection point identifier
EXPECTEDMAXCAPACITY	NUMBER(12,2)		Max MW capacity that can be obtained in case of capacity scarcity from units subject to network and energy constraints.
CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value, 0 if not binding
CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree for unit capacity; 0 if not violating
CAPACITYAVAILABLE	NUMBER(12,2)		The available MW capacity for the period
ENERGYCONSTRAINED	NUMBER(1,0)		0 if not energy constrained, 1 if energy constrained for this energy block
ENERGYAVAILABLE	NUMBER(10,0)		The energy limit (MWH) over this energy block for the energy constrained unit
LASTCHANGED	DATE		Last changed date of this record
PASAAVAILABILITY	NUMBER(12,0)		The physical plant capability including any capability that can be made available within 24 hrs
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC

28.135 Table: TRADINGLOAD

28.135.1 TRADINGLOAD

Name TRADINGLOAD

Comment TRADINGLOAD shows half-hourly average dispatch levels, including fields to handle the

Ancillary Services functionality.

28.135.2 Description

Source

Own (confidential) TRADINGLOAD data updates half hourly, with public availability of all data on next day.

28.135.3 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

28.135.4 Primary Key Columns

Name
DUID
PERIODID
RUNNO
SETTLEMENTDATE
TRADETYPE

28.135.5 Index Columns

Name
LASTCHANGED

28.135.6 Index Columns

Name
DUID
LASTCHANGED

28.135.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Date that this data applies to
RUNNO	NUMBER(3,0)	X	Dispatch run no.
DUID	VARCHAR2(10)	X	Dispatchable Unit Identifier
TRADETYPE	NUMBER(2,0)	X	Not used
PERIODID	NUMBER(3,0)	X	Period Identifier
INITIALMW	NUMBER(15,5)		Average Initial MW at start of each period
TOTALCLEARED	NUMBER(15,5)		Average total MW dispatched over period
RAMPDOWNRATE	NUMBER(15,5)		Average ramp down rate
RAMPUPRATE	NUMBER(15,5)		Average ramp up rate
LOWER5MIN	NUMBER(15,5)		Average 5 min lower dispatch
LOWER60SEC	NUMBER(15,5)		Average 60 sec lower dispatch
LOWER6SEC	NUMBER(15,5)		Average60 sec lower dispatch
RAISE5MIN	NUMBER(15,5)		Average 5 min raise dispatch
RAISE60SEC	NUMBER(15,5)		Average 60 sec raise dispatch
RAISE6SEC	NUMBER(15,5)		Average 6 sec raise dispatch
LASTCHANGED	DATE		Last date and time record changed
LOWERREG	NUMBER(15,5)		Lower Regulation reserve target
RAISEREG	NUMBER(15,5)		Raise Regulation reserve target
AVAILABILITY	NUMBER(15,5)		Bid energy availability
SEMIDISPATCHCAP	NUMBER(3,0)		Boolean representation flagging if the Target is Capped

28.136 Table: TRADINGREGIONSUM

28.136.1 TRADINGREGIONSUM

Name	TRADINGREGIONSUM
Comment	TRADINGREGIONSUM sets out the half-hourly average regional demand and frequency control services. TRADINGREGIONSUM includes fields for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations.

28.136.2 Description

TRADINGREGIONSUM is public data, and is available to all participants.

Source

TRADINGREGIONSUM is updated every 30 minutes.

28.136.3 Notes

Name	Comment	Value
Visibility		Public

28.136.4 Primary Key Columns

Name
PERIODID
REGIONID
RUNNO
SETTLEMENTDATE

28.136.5 Index Columns

Name
LASTCHANGED

28.136.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Date that this data applies to
RUNNO	NUMBER(3,0)	X	Dispatch run no.
REGIONID	VARCHAR2(10)	X	Region Identifier
PERIODID	NUMBER(3,0)	X	Trading interval identifier within settlement day.
TOTALDEMAND	NUMBER(15,5)		Total demand for region
AVAILABLEGENERATION	NUMBER(15,5)		The available generation in the Region for the interval
AVAILABLELOAD	NUMBER(15,5)		Not used
DEMANDFORECAST	NUMBER(15,5)		Forecast demand for region
DISPATCHABLEGENERATION	NUMBER(15,5)		Averaged generation dispatched in region
DISPATCHABLELOAD	NUMBER(15,5)		Averaged load dispatched in region
NETINTERCHANGE	NUMBER(15,5)		Average energy transferred over interconnector
EXCESSGENERATION	NUMBER(15,5)		Average excess generation in region
LOWER5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	NUMBER(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 5 min
LOWER5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 5 min
LOWER5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 5 min total requirement

LOWER5MINSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 5 min
LOWER60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec MW imported
LOWER60SECLOCALDISPATCH	NUMBER(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 60 sec
LOWER60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec local requirement
LOWER60SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 60 sec
LOWER60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER60SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 60 sec
LOWER6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	NUMBER(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of lower 6 sec
LOWER6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of lower 6 sec
LOWER6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
LOWER6SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of lower 6 sec
RAISE5MINDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW dispatch

RAISE5MINIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	NUMBER(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 5 min
RAISE5MINLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min local requirement
RAISE5MINPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 5 min
RAISE5MINREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE5MINSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 5 min
RAISE60SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	NUMBER(15,5)		Raise 60 sec local dispatch
RAISE60SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 60 sec
RAISE60SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 60 sec
RAISE60SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE60SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 60 sec
RAISE6SECDISPATCH	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISPATCH	NUMBER(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALPRICE	NUMBER(15,5)		Not used since Dec 2003. Local price of raise 6

			sec
RAISE6SECLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECPRICE	NUMBER(15,5)		Not used since Dec 2003. Regional price of raise 6 sec
RAISE6SECREQ	NUMBER(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
RAISE6SECSUPPLYPRICE	NUMBER(15,5)		Not used since Dec 2003. Supply price of raise 6 sec
LASTCHANGED	DATE		Last date and time record changed
INITIALSUPPLY	NUMBER(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	NUMBER(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGLOCALDISPATCH	NUMBER(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	NUMBER(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGLOCALDISPATCH	NUMBER(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	NUMBER(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement

RAISE6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	NUMBER(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).

29 Package: PDPASA

Name PDPASA

Comment The PDPASA package provides a 30-minute solving process to the Market systems

The current methodology for calculating reserves in the PreDispatch timeframe is determined in a post processing step using a heuristic calculation based the results and Interconnector limits from the PreDispatch run.

The calculation is a reserve assessment based on the PASA solver similar to existing ST and MT PASA business processes

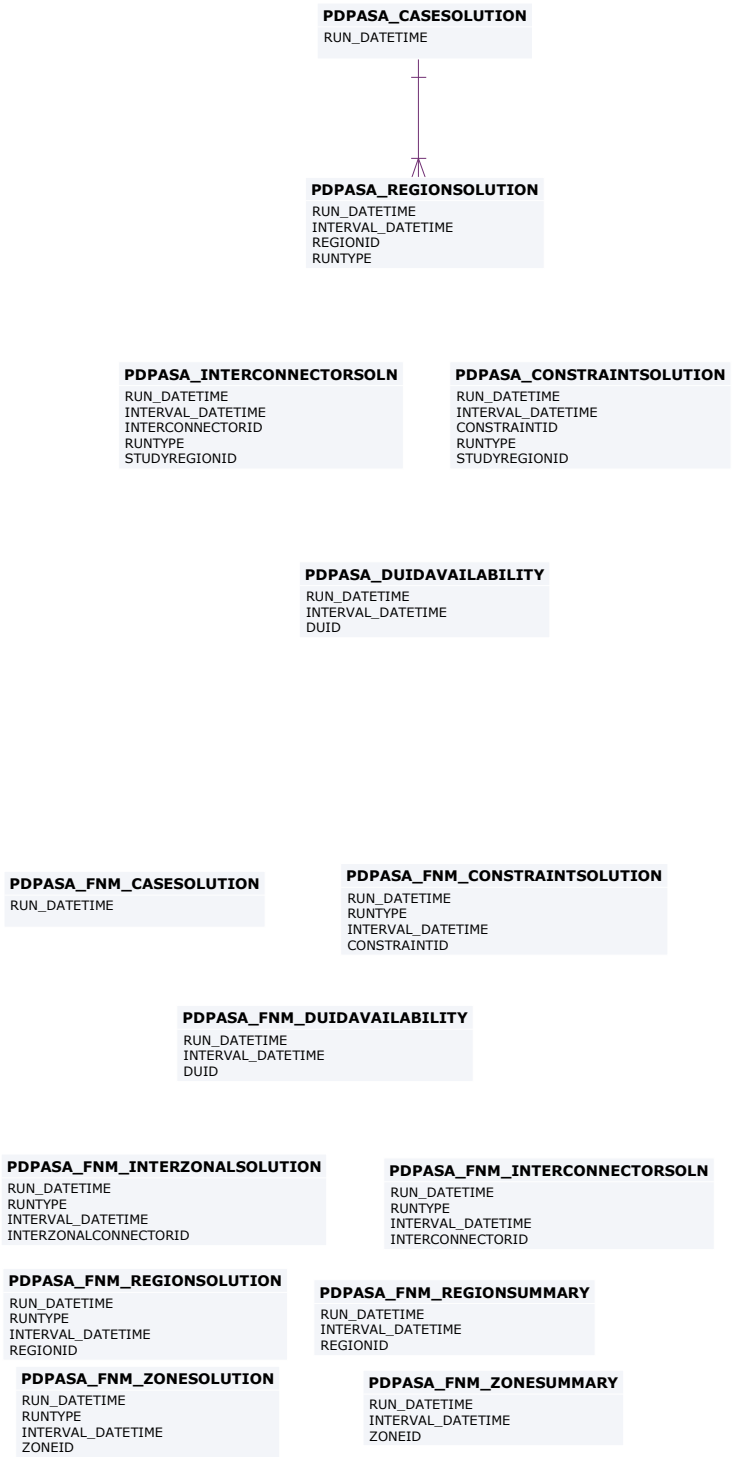
The process reflects all intra-regional and inter-regional network constraints as an input to the process

29.1 List of tables

Name	Comment	Visibility
PDPASA_CASESOLUTION	The top-level table identifying a PDPASA case, reporting options applied in the case and summary results	Public
PDPASA_CONSTRAINTSOLUTION	PDPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.	Public
PDPASA_DUIDAVAILABILITY	This report delivers available capacity, PASA availability and given recall period for all scheduled resources. Note that for an MNSP, DUID = LINKID in the MNSP_INTERCONNECTOR table.	Public
PDPASA_FNM_CASESOLUTION	PDPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.	Public
PDPASA_FNM_CONSTRAINTSOLUTION	PDPASA_FNM_CONSTRAINTSOLUTION shows manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.	Public
PDPASA_FNM_DUIDAVAILABILITY	PDPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and Recall Period for all	Public

	scheduled resources	
PDPASA_FNM_INTERCONNECTORSOLN	PDPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.	Public
PDPASA_FNM_INTERZONALSOLUTION	PDPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.	Public
PDPASA_FNM_REGIONSOLUTION	PDPASA_FNM_REGIONSOLUTION shows region demand, cleared values of resources, spare capacity, losses for each run type and intervals.	Public
PDPASA_FNM_REGIONSUMMARY	PDPASA_FNM_REGIONSUMMARY shows the summary of PDPASA outcome for each region.	Public
PDPASA_FNM_ZONESOLUTION	PDPASA_FNM_ZONESOLUTION shows zone demand, cleared values of resources, spare capacity, losses for each run type and intervals.	Public
PDPASA_FNM_ZONESUMMARY	PDPASA_FNM_ZONESUMMARY shows the summary of PDPASA outcome for each zone.	Public
PDPASA_INTERCONNECTORSOLN	PDPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.	Public
PDPASA_REGIONSOLUTION	The PDPASA region solution data.Note that the OUTAGE_LRC Run Type is no longer reported from 31 July 2025.	Public

29.2 Diagram: Entities: PD PASA



29.3 Table: PDPASA_CASESOLUTION

29.3.1 PDPASA_CASESOLUTION

Name	PDPASA_CASESOLUTION
Comment	The top-level table identifying a PDPASA case, reporting options applied in the case and summary results

29.3.2 Description

PDPASA_CASESOLUTION is public data.

Source

PDPASA_CASESOLUTION is updated each PDPASA run (i.e. half-hourly).

Volume

Rows per day: 48

Mb per month: <1

29.3.3 Notes

Name	Comment	Value
Visibility		Public

29.3.4 Primary Key Columns

Name
RUN_DATETIME

29.3.5 Index Columns

Name
LASTCHANGED

29.3.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Case identifier by the time the case was run
PASAVERSION	VARCHAR2(10)		Version of the PASA solver used to solve this case
RESERVECONDITION	NUMBER(1,0)		Low Reserve Condition (LRC) flag for the case (1 - LRC in the case, 0 - No LRCs in the case) for capacity run
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LOR) flag for the case indicates the most severe condition in the case (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR)
CAPACITYOBJFUNCTION	NUMBER(12,3)		Objective Function from the Capacity Adequacy run
CAPACITYOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the Probability of Exceedance (POE) demand forecast used for capacity adequacy (LRC) assessment. 0 if no assessment, 1 for 10% POE, 2 for 50% POE, 3 for 90% POE.
MAXSURPLUSRESERVEOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the Probability of Exceedance (POE) demand forecast used for assessment of Maximum surplus Reserve. 0 if no assessment, 1 for 10% POE, 2 for 50% POE, 3 for 90% POE
MAXSPARECAPACITYOPTION	NUMBER(12,3)		Not populated as of 2005 End of Year Release; was the Probability of Exceedance (POE) demand forecast used for assessment of Maximum Spare Capacity. 0 if no assessment, 1 for 10% POE, 2 for 50% POE, 3 for 90% POE
INTERCONNECTORFLOWPENALTY	NUMBER(12,3)		The penalty for non-zero interconnector flow
LASTCHANGED	DATE		Date and time the record was created or modified
RELIABILITYLRCDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for Reliability LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
OUTAGELRCDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for outage LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90

			for 90%)
LORDEMANDOPTION	NUMBER(12,3)		Specifies the Probability of Exceedence (POE) demand forecast for LOR assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%)
RELIABILITYLRCCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in Reliability LRC run (either PASA or MARKET)
OUTAGELRCCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in Outage LRC run (either PASA or MARKET)
LORCAPACITYOPTION	VARCHAR2(10)		Generation Availability to be used in LOR run (either PASA or MARKET)
LORUIGFOption	NUMBER(3,0)		UIGF POE forecast availability used for this option
ReliabilityLRCUIGFOption	NUMBER(3,0)		UIGF POE forecast availability used for this option
OutageLRCUIGFOption	NUMBER(3,0)		UIGF POE forecast availability used for this option

29.4 Table: PDPASA_CONSTRAINTSOLUTION

29.4.1 PDPASA_CONSTRAINTSOLUTION

Name	PDPASA_CONSTRAINTSOLUTION
Comment	PDPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.

29.4.2 Notes

Name	Comment	Value
Visibility		Public

29.4.3 Primary Key Columns

Name
CONSTRAINTID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

STUDYREGIONID

29.4.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
CONSTRAINTID	VARCHAR2(20)	X	Constraint identifier (synonymous with GenConID)
CAPACITYRHS	NUMBER(12,2)		The RHS value in the capacity evaluation.
CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value, 0 if not binding
CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree for generic constraint; 0 if not violating
LASTCHANGED	DATE		Last changed date of this record
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are OUTAGE_LRC and LOR. Note that the PDPASA OUTAGE_LRC Run Type is discontinued from 31 July 2025, with only the LOR Run Type reported.
STUDYREGIONID	VARCHAR2(20)	X	Primary Region for LP Solve (or MARKET if none).

29.5 Table: PDPASA_DUIDAVAILABILITY

29.5.1 PDPASA_DUIDAVAILABILITY

Name PDPASA_DUIDAVAILABILITY

Comment This report delivers available capacity, PASA availability and given recall period for all scheduled resources. Note that for an MNSP, DUID = LINKID in the

MNSP_INTERCONNECTOR table.

29.5.2 Notes

Name	Comment	Value
Visibility		Public

29.5.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

29.5.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	PDPASA run, identified by the first half hour ended interval of the run.
INTERVAL_DATETIME	DATE	X	Half hour ended interval
DUID	VARCHAR2(20)	X	NEM Dispatchable Unit Identifier
GENERATION_MAX_AVAILABILITY	NUMBER(12,6)		Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP.
GENERATION_PASA_AVAILABILITY	NUMBER(12,0)		PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit.
GENERATION_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit.
LOAD_MAX_AVAILABILITY	NUMBER(12,6)		Available Capacity for a scheduled load or BDU(Load side).

LOAD_PASA_AVAILABILITY	NUMBER(12,0)		PASA Availability for a scheduled load or BDU(Load side).
LOAD_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled load or BDU(Load side).
LASTCHANGED	DATE		Report Creation Date Time.

29.6 Table: PDPASA_FNM_CASESOLUTION

29.6.1 PDPASA_FNM_CASESOLUTION

Name PDPASA_FNM_CASESOLUTION

Comment PDPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.

29.6.2 Notes

Name	Comment	Value
Visibility		Public

29.6.3 Primary Key Columns

Name

RUN_DATETIME

29.6.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
LORCONDITION	NUMBER(1,0)		LORCONDITION is only set if supply deficit exists in a Zone that contains the Regional Reference Node. LORCONDITION indicates the most severe condition for the case:

			LORCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
DEFICITCONDITION	NUMBER(1,0)		DEFICITCONDITION is only set if supply deficit exists in a Zone that does NOT contain the Regional Reference Node. DEFICITCONDITION indicates the most severe condition for the case: DEFICITCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
BASE_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
RELIABILITY_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
WARNING_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
PASAVERSION	VARCHAR2(30)		Version of the PASA solver used to solve this case
LASTCHANGED	DATE		Date time this record was created

29.7 Table: PDPASA_FNM_CONSTRAINTSOLUTION

29.7.1 PDPASA_FNM_CONSTRAINTSOLUTION

Name PDPASA_FNM_CONSTRAINTSOLUTION

Comment PDPASA_FNM_CONSTRAINTSOLUTION shows manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.

29.7.2 Notes

Name	Comment	Value
Visibility		Public

29.7.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

29.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
CONSTRAINTID	VARCHAR2(100)	X	Constraint identifier, either manual constraint (synonymous with GenConID) or thermal constraint created by PASA with format 'BASE_<BranchName>' or '<ContingencyID>_<BranchName>'
MARGINALVALUE	NUMBER(20,5)		Constraint Marginal Value ($/MW)
VIOLATIONDEGREE	NUMBER(15,5)		Constraint Violation Degree (MW)
LHS	NUMBER(15,5)		Constraint LHS (MW)
RHS	NUMBER(15,5)		Constraint RHS (MW)
LASTCHANGED	DATE		Date time this record was created

29.8 Table: PDPASA_FNM_DUIDAVAILABILITY

29.8.1 PDPASA_FNM_DUIDAVAILABILITY

Name PDPASA_FNM_DUIDAVAILABILITY

Comment PDPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and Recall Period for all scheduled resources

29.8.2 Notes

Name	Comment	Value
Visibility		Public

29.8.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

29.8.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
DUID	VARCHAR2(20)	X	NEM Dispatchable Unit Identifier
BID_TRADINGDATE	DATE		Trading Date of the energy bid
BID_OFFERDATETIME	DATE		Date Time that the energy bid was received
GENERATION_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP (MW)
GENERATION_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (MW)
GENERATION_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (Hours)
LOAD_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled load or BDU (Load side) (MW)

LOAD_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled load or BDU (Load side) (MW)
LOAD_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled load or BDU (Load side) (Hours)
LASTCHANGED	DATE		Date time this record was created

29.9 Table: PDPASA_FNM_INTERCONNECTORSOLN

29.9.1 PDPASA_FNM_INTERCONNECTORSOLN

Name PDPASA_FNM_INTERCONNECTORSOLN

Comment PDPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.

29.9.2 Notes

Name	Comment	Value
Visibility		Public

29.9.3 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

29.9.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run

RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERCONNECTORID	VARCHAR2(20)	X	Interconnector Identifier
CLEAREDFLOW	NUMBER(12,2)		Cleared Interconnector flow (MW)
LASTCHANGED	DATE		Date time this record was created

29.10 Table: PDPASA_FNM_INTERZONALSOLUTION

29.10.1 PDPASA_FNM_INTERZONALSOLUTION

Name PDPASA_FNM_INTERZONALSOLUTION

Comment PDPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.

29.10.2 Notes

Name	Comment	Value
Visibility		Public

29.10.3 Primary Key Columns

Name

INTERVAL_DATETIME

INTERZONALCONNECTORID

RUN_DATETIME

RUNTYPE

29.10.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run,

			identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERZONALCONNECTORID	VARCHAR2(50)	X	InterzonalConnector Identifier
FROMZONEID	VARCHAR2(30)		FromZoneID of the InterZonalConnectorID
TOZONEID	VARCHAR2(30)		ToZoneID of the InterZonalConnectorID
CLEAREDFLOW	NUMBER(12,2)		Cleared Interzonal flow (MW)
LASTCHANGED	DATE		Date time this record was created

29.11 Table: PDPASA_FNM_REGIONSOLUTION

29.11.1 PDPASA_FNM_REGIONSOLUTION

Name PDPASA_FNM_REGIONSOLUTION

Comment PDPASA_FNM_REGIONSOLUTION shows region demand, cleared values of resources, spare capacity, losses for each run type and intervals.

29.11.2 Notes

Name	Comment	Value
Visibility		Public

29.11.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

RUNTYPE

29.11.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region Identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)

ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)		Spare Generation Capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit (MW) across at all loads in the Region = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange). Supply Deficit = Supply Deficit_RRN + Supply Deficit_NonRRN
SUPPLYDEFICIT_RRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone that contains the Regional Reference Node (MW)
SUPPLYDEFICIT_NONRRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone(s) that do not contain the Regional Reference Node (MW)
LASTCHANGED	DATE		Date time this record was created

29.12 Table: PDPASA_FNM_REGIONSUMMARY

29.12.1 PDPASA_FNM_REGIONSUMMARY

Name	PDPASA_FNM_REGIONSUMMARY
Comment	PDPASA_FNM_REGIONSUMMARY shows the summary of PDPASA outcome for each region.

29.12.2 Notes

Name	Comment	Value
Visibility		Public

29.12.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

29.12.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION indicates the most severe

			condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance

			Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

29.13 Table: PDPASA_FNM_ZONESOLUTION

29.13.1 PDPASA_FNM_ZONESOLUTION

Name PDPASA_FNM_ZONESOLUTION

Comment PDPASA_FNM_ZONESOLUTION shows zone demand, cleared values of resources, spare capacity, losses for each run type and intervals.

29.13.2 Notes

Name	Comment	Value
Visibility		Public

29.13.3 Primary Key Columns

Name

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

ZONEID

29.13.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run,

			identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit exists and this Zone does not contain the Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (increase) to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding

			bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)		Spare generation capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit at loads = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange) (MW)
LASTCHANGED	DATE		Date time this record was created

29.14 Table: PDPASA_FNM_ZONESUMMARY

29.14.1 PDPASA_FNM_ZONESUMMARY

Name PDPASA_FNM_ZONESUMMARY

Comment PDPASA_FNM_ZONESUMMARY shows the summary of PDPASA outcome for each zone.

29.14.2 Notes

Name	Comment	Value
Visibility		Public

29.14.3 Primary Key Columns

Name
INTERVAL_DATETIME
RUN_DATETIME
ZONEID

29.14.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain the Regional Reference Node. DEFICITCONDITION indicates

			the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

29.15 Table: PDPASA_INTERCONNECTORSOLN

29.15.1 PDPASA_INTERCONNECTORSOLN

Name	PDPASA_INTERCONNECTORSOLN
Comment	PDPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.

29.15.2 Notes

Name	Comment	Value
Visibility		Public

29.15.3 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

STUDYREGIONID

29.15.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
CAPACITYMWFLOW	NUMBER(12,2)		Interconnector loading level (MW) that can be reached in case of capacity scarcity in neighbouring regions subject to network and energy constraints

CAPACITYMARGINALVALUE	NUMBER(12,2)		Capacity adequacy assessment marginal value, 0 if not binding
CAPACITYVIOLATIONDEGREE	NUMBER(12,2)		Capacity adequacy assessment violation degree for interconnector capacity; 0 if not violating
CALCULATEDEXPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
CALCULATEDIMPORTLIMIT	NUMBER(12,2)		Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow.
LASTCHANGED	DATE		Last changed date of this record
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are OUTAGE_LRC and LOR. Note that the PDPASA OUTAGE_LRC Run Type is discontinued from 31 July 2025, with only the LOR Run Type reported.
EXPORTLIMITCONSTRAINTID	VARCHAR2(20)		ID of the constraint that sets the Interconnector Export Limit
IMPORTLIMITCONSTRAINTID	VARCHAR2(20)		ID of the constraint that sets the Interconnector Import Limit
STUDYREGIONID	VARCHAR2(20)	X	Primary Region for LP Solve (or MARKET if none).

29.16 Table: PDPASA_REGIONSOLUTION

29.16.1 PDPASA_REGIONSOLUTION

Name	PDPASA_REGIONSOLUTION
Comment	The PDPASA region solution data.Note that the OUTAGE_LRC Run Type is no longer reported from 31 July 2025.

29.16.2 Description

PDPASA_REGIONSOLUTION is public so is available to all participants.

Source

PDPASA_REGIONSOLUTION is updated each PDPASA run (i.e. half-hourly).

Volume

Rows per day: 32000

Notes

LRC Determination

SURPLUSRESERVE is the surplus reserve in a region based on meeting the demand plus the reserve requirement in all regions simultaneously. Note that any surplus above the network restrictions and system reserve requirements is reported in the region it is generated, thus a surplus of zero can mean that a region is importing to meet a requirement or that it has exported all surplus to meet an adjacent region's requirement.

The PASA processes also calculate a regionally optimised surplus called the Maximum LRC Surplus (MAXSURPLUSRESERVE) being a figure on how much generation could be brought to this region subject to meeting requirements in other regions.

LOR Determination

MAXSPARECAPACITY is a regionally optimised figure representing the surplus generation able to be brought to a region subject to meeting the demand in all other regions.

Participants are directed to the first half hour of the Predispatch PASA (PDPASA) reports as NEMMCO's latest reserve determination for a given half hour.

29.16.3 Notes

Name	Comment	Value
Visibility		Public

29.16.4 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNTYPE

29.16.5 Index Columns

Name

LASTCHANGED

29.16.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run.
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(10)	X	Region identifier
DEMAND10	NUMBER(12,2)		10% Probability of Exceedance demand forecast
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast
DEMAND90	NUMBER(12,2)		90% Probability of Exceedance demand forecast
RESERVEREQ	NUMBER(12,2)		Reserve Requirement (MW). This field is not populated after 30 July 2025.
CAPACITYREQ	NUMBER(12,2)		Demand + Reserve requirements (MW). This field is not populated after 30 July 2025.
ENERGYREQDEMAND50	NUMBER(12,2)		Sum of: (Region Demand50)/Period (sum by trading day, entered in first period of trading day, GWh).
UNCONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Non-Energy Constrained plant subjected to restrictions due to network constraints.
CONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Energy Constrained plant subjected to restrictions due to network constraints.
NETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net export (MW) out of this region in the LOR evaluation. Export if > 0, Import if < 0. This value is the same as LORNETINTERCHANGEUNDERSCARCITY.
SURPLUSCAPACITY	NUMBER(12,2)		Regional surplus capacity (MW), +/- values indicate surplus/deficit capacity respectively. This value reflects Regional LOR reserve.

SURPLUSRESERVE	NUMBER(12,2)		Regional surplus reserve (MW). This value also reflects Regional LOR reserve. Note: For LOR runs, RESERVEREQ requirement input is not used.
RESERVECONDITION	NUMBER(1,0)		Regional reserve condition from LRC run. This field is not populated after 30 July 2025.
MAXSURPLUSRESERVE	NUMBER(12,2)		Maximum Surplus Reserve (MW) evaluated for this region from LRC runs. This field is no longer populated.
MAXSPARECAPACITY	NUMBER(12,2)		Maximum Spare Capacity (MW) evaluated for this region. Calculated for each region in turn. This value reflects Regional LOR reserve.
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LOR) flag for this region and interval (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR)
AGGREGATECAPACITYAVAILABLE	NUMBER(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled units and Availability of all semi-scheduled units limited by MAXAVAIL in a given Region for a given PERIODID
AGGREGATESCHEDULEDLOAD	NUMBER(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	DATE		Date time this record was created.
AGGREGATEPASAAVAILABILITY	NUMBER(12,0)		Sum of PASAAVAILABILITY for all scheduled generating units and scheduled bidirectional units (Gen side) with a Recall_Period <= 24 hours plus the sum of Unconstrained Intermittent Generation Forecasts (UIGF) for all semi-scheduled generating units. For the OUTAGE_LRC run, UIGF is the POE90 forecast. For the LOR Run, UIGF is the POE50 forecast. Note that the OUTAGE_LRC Run Type is discontinued from 31 July 2025. From March 2026, AGGREGATEPASAAVAILABILITY changes from that with Recall_Period <= 24 to that achievable by the relevant INTERVAL_DATETIME if recalled at the start of the run.
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are OUTAGE_LRC and LOR. Note that the PDPASA OUTAGE_LRC Run Type is discontinued from 31 July 2025, with only the LOR Run Type reported.

ENERGYREQDEMAND10	NUMBER(12,2)		Energy (GWh) required for this energy block based on the 10% probability of exceedance demand. Listed in the first interval of the energy block
CALCULATEDLOR1LEVEL	NUMBER(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	NUMBER(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the MSR assessment. This field is no longer populated.
LORNETINTERCHANGEUNDERSCARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SemiScheduledCapacity	NUMBER(12,2)		Constrained generation forecast (MW) for semi-scheduled units for the region. For OUTAGE_LRC run and LOR run, semi-scheduled generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
LOR_SemiScheduledCapacity	NUMBER(12,2)		Constrained generation forecast for semi-scheduled units for the region for the LOR run. Semi-scheduled generation is constrained by both System Normal and Outage constraints, and incorporate MAXAVAIL limits.
LCR	NUMBER(16,6)		Largest Credible Risk. MW value for highest credible contingency
LCR2	NUMBER(16,6)		Two Largest Credible Risks. MW value for highest two credible contingencies.

FUM	NUMBER(16,6)		Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines
SS_SOLAR_UIGF	Number(12,2)		Unconstrained Intermittent Generation Forecast for solar for the region. For OUTAGE_LRC run, this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run, this is the POE50 forecast.
SS_WIND_UIGF	Number (12,2)		Unconstrained Intermittent Generation Forecast for wind for the region. For OUTAGE_LRC run, this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run, this is the POE50 forecast.
SS_SOLAR_CAPACITY	Number (12,2)		Constrained generation forecast for solar for the region. For OUTAGE_LRC run and LOR run. solar generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_WIND_CAPACITY	Number (12,2)		Constrained generation forecast for wind for the region. For OUTAGE_LRC run and LOR run, wind generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_SOLAR_CLEARED	Number (12,2)		Constrained generation forecast (MW) for solar for the region. For OUTAGE_LRC run and LOR run, solar generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. This value is the same as SS_SOLAR_CAPACITY.
SS_WIND_CLEARED	Number (12,2)		Constrained generation forecast (MW) for wind for the region. For OUTAGE_LRC run and LOR run, wind generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. This value is the same as SS_WIND_CAPACITY.
WDR_AVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) availability in MW.
WDR_PASAAVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand

			Response (WDR) PASA availability in MW.
WDR_CAPACITY	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) capacity in MW.

30 Package: PRUDENTIALS

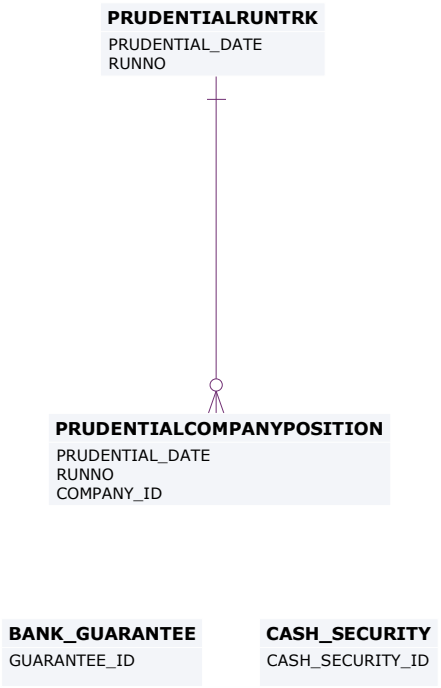
Name PRUDENTIALS

Comment Prudential Management

30.1 List of tables

Name	Comment	Visibility
BANK_GUARANTEE	Indicates the amount of bank guarantee the Company has with AEMO	Private
CASH_SECURITY	Indicates the amount of cash security the participant has with AEMO	Private
PRUDENTIALCOMPANYPOSITION	The prudential position of each company as at the datetime of a specific prudential run	Private
PRUDENTIALRUNTRK	Records the prudential run accepted by Settlements staff for each prudential date	Public

30.2 Diagram: Entities:Prudentials



30.3 Table: BANK_GUARANTEE

30.3.1 BANK_GUARANTEE

Name	BANK_GUARANTEE
Comment	Indicates the amount of bank guarantee the Company has with AEMO

30.3.2 Notes

Name	Comment	Value
Visibility		Private

30.3.3 Primary Key Columns

Name
GUARANTEE_ID

30.3.4 Content

Name	Data Type	Mandatory	Comment
GUARANTEE_ID	VARCHAR2(30)	X	The Bank Guarantee ID
COMPANY_ID	VARCHAR2(20)		Company ID owning the Bank Guarantee
PARTICIPANTID	VARCHAR2(20)		Participant Id belonging to the company (Even though BG belongs to a Company, Participant Id is also added as all reports are published to the Participants)
CREDIT_PROVIDER	VARCHAR2(20)		Bank Guarantee Provider Id
COMMENCEMENT_DATE	DATE		Date AEMO received the bank guarantee details
TERMINATION_DATE	DATE		Date of Termination
RETURN_DATE	DATE		Date of Return
GUARANTEE_AMOUNT	NUMBER(18,8)		Dollar Amount of the bank guarantee

LASTCHANGED	DATE		The last changed date time of the record

30.4 Table: CASH_SECURITY

30.4.1 CASH_SECURITY

Name CASH_SECURITY

Comment Indicates the amount of cash security the participant has with AEMO

30.4.2 Notes

Name	Comment	Value
Visibility		Private

30.4.3 Primary Key Columns

Name

CASH_SECURITY_ID

30.4.4 Content

Name	Data Type	Mandatory	Comment
CASH_SECURITY_ID	VARCHAR2(20)	X	Unique ID for each cash security record
PARTICIPANTID	VARCHAR2(20)		Participant ID(Provider of the Cash Security)
TRANSACTION_DATE	DATE		Date when the CS was received by AEMO
CASH_AMOUNT	NUMBER(18,8)		Cash security amount(in dollars)
RETURNED_AMOUNT	NUMBER(18,8)		Cash amount returned(In dollars)
INTEREST_ACCT_ID	VARCHAR2(20)		Interest Account id used for daily interest calculation
STATUS	VARCHAR2(10)		Active/Closed
LASTCHANGED	DATE		The last changed date time of the record

30.5 Table: PRUDENTIALCOMPANYPOSITION

30.5.1 PRUDENTIALCOMPANYPOSITION

Name	PRUDENTIALCOMPANYPOSITION
Comment	The prudential position of each company as at the datetime of a specific prudential run

30.5.2 Notes

Name	Comment	Value
Visibility		Private

30.5.3 Primary Key Columns

Name
COMPANY_ID
PRUDENTIAL_DATE
RUNNO

30.5.4 Index Columns

Name
LASTCHANGED

30.5.5 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	DATE	X	The prudential date
RUNNO	NUMBER(3)	X	The run number for the prudential date
COMPANY_ID	VARCHAR(20)	X	The company identifier

MCL	NUMBER(16,6)		The Maximum Credit Limit of the company at the time of the prudential run
CREDIT_SUPPORT	NUMBER(16,6)		The Credit Support of the company at the time of the prudential run
TRADING_LIMIT	NUMBER(16,6)		The Trading Limit of the company at the time of the prudential run
CURRENT_AMOUNT_BALANCE	NUMBER(16,6)		The balance of the company for all unpaid billing weeks at the time of the prudential run
SECURITY_DEPOSIT_PROVISION	NUMBER(16,6)		The sum of all active security deposit provision amounts at the time of the prudential run
SECURITY_DEPOSIT_OFFSET	NUMBER(16,6)		The sum of all active security deposit application amounts at the time of the prudential run
SECURITY_DEPOSIT_BALANCE	NUMBER(16,6)		The balance of all active security deposits at the time of the prudential run
EXPOST_REALLOC_BALANCE	NUMBER(16,6)		The balance of all ex-post reallocations for the company that were calculated outside of billing runs at the time of the prudential run
DEFAULT_BALANCE	NUMBER(16,6)		The balance of all defaults for the company at the time of the prudential run
OUTSTANDINGS	NUMBER(16,6)		The total outstandings for the company at the time of the prudential run
TRADING_MARGIN	NUMBER(16,6)		The trading margin for the company at the time of the prudential run
TYPICAL_ACCRUAL	NUMBER(16,6)		The typical accrual for the company at the time of the prudential run
PRUDENTIAL_MARGIN	NUMBER(16,6)		The prudential margin is the current value determined by AEMO for the registered participant. It represents the buffer below the value of credit support which is used to set the trading limit
EARLY_PAYMENT_AMOUNT	NUMBER(18,8)		The early payment amount deducted from Outstandings in the prudential run
PERCENTAGE_OUTSTANDINGS	NUMBER(18,8)		The percentage of outstandings calculated against the trading margin and prudential margin
LASTCHANGED	DATE		The datetime that the record was last changed

30.6 Table: PRUDENTIALRUNTRK

30.6.1 PRUDENTIALRUNTRK

Name	PRUDENTIALRUNTRK
Comment	Records the prudential run accepted by Settlements staff for each prudential date

30.6.2 Notes

Name	Comment	Value
Visibility		Public

30.6.3 Primary Key Columns

Name
PRUDENTIAL_DATE
RUNNO

30.6.4 Index Columns

Name
LASTCHANGED

30.6.5 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	DATE	X	The prudential date
RUNNO	NUMBER(3)	X	The run number for the prudential date
AUTHORISEDBY	VARCHAR(15)		The user that authorised the prudential run
AUTHORISEDDATE	DATE		The datetime that the prudential run was authorised

LASTCHANGED	DATE		The datetime that the record was last changed

31 Package: MCC_DISPATCH

Name MCC_DISPATCH

Comment Results from the Marginal Constraint Cost (MCC) re-run of the dispatch process. The MCC forms part of the part of the AER"s "Electricity transmission network service providers Service target performance incentive Scheme"

31.1 List of tables

Name	Comment	Visibility
MCC_CASESOLUTION	Top level table for each MCC dispatch rerun process. Note there will be one record for each dispatch interval	Private & Public Next-Day
MCC_CONSTRAINTSOLUTION	Constraint solution data from the MCC dispatch rerun process. Note only constraints with a non-zero marginal value are published.	Private & Public Next-Day

31.2 Diagram: Entities: MCC_Dispatch





31.3 Table: MCC_CASESOLUTION

31.3.1 MCC_CASESOLUTION

Name	MCC_CASESOLUTION
Comment	Top level table for each MCC dispatch rerun process. Note there will be one record for each dispatch interval

31.3.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

31.3.3 Primary Key Columns

Name
RUN_DATETIME

31.3.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	5-minute Dispatch Run identifier

31.4 Table: MCC_CONSTRAINTSOLUTION

31.4.1 MCC_CONSTRAINTSOLUTION

Name	MCC_CONSTRAINTSOLUTION
Comment	Constraint solution data from the MCC dispatch rerun process. Note only constraints with a non-zero marginal value are published.

31.4.2 Notes

Name	Comment	Value

Visibility	Private & Public Next-Day

31.4.3 Primary Key Columns

Name

CONSTRAINTID

RUN_DATETIME

31.4.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	5-minute Dispatch Run identifier
CONSTRAINTID	VARCHAR2(20)	X	Generic Constraint identifier (synonymous with GenConID)
RHS	NUMBER(15,5)		Generic Constraint RHS Value for this MCC run
MARGINALVALUE	NUMBER(15,5)		Generic Constraint Marginal Value for this MCC run

32 Package: NETWORK

Name NETWORK

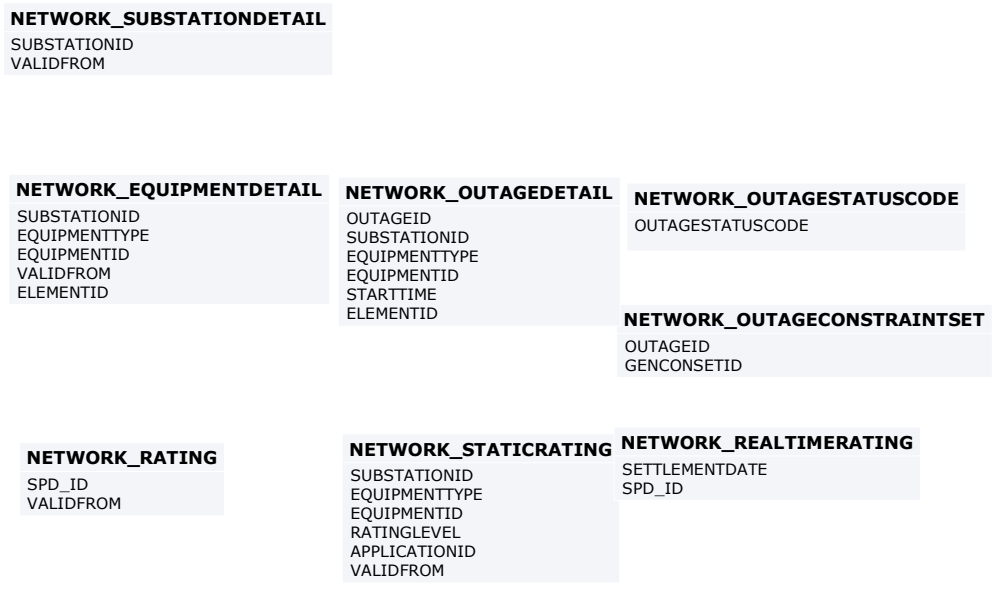
Comment Configuration data for the physical network

32.1 List of tables

Name	Comment	Visibility
NETWORK_EQUIPMENTDETAIL	NETWORK_EQUIPMENTDETAIL Provides details on equipment that may have outages or ratings. A single piece of equipment may have multiple records if its details change. A line will typically have at least two valid records at a time, once for each end of the line.	Public
NETWORK_OUTAGECONSTRAINTSET	NETWORK_OUTAGECONSTRAINTSET lists the Constraint Set or Sets that are expected to be invoked for the outage once it is confirmed to proceed.	Public
NETWORK_OUTAGEDETAIL	Lists asset owners planned outages for transmission equipment. This also includes details for transmission equipment that will not have an outage, but associated secondary equipment has an outage and a related constraint set may be invoked. This scenario is indicated by the ISSECONDARY field in the table	Public
NETWORK_OUTAGESTATUSCODE	NETWORK_OUTAGESTATUSCODE describes the different outage status codes	Public
NETWORK_RATING	NETWORK_RATING defines a list of the equipment ratings that may be used as inputs to market constraints. If the rating is flagged as dynamic then in real-time the rating will be dynamically determined and the static value will be used as a fallback value should the dynamic value fail. Note: In some rare cases equipment has ratings provided from more than one TNSP. This is identified by a different SPD Id. The value used in the NEM is normally the more restrictive of the two values.	Public
NETWORK_REALTIMERATING	The NETWORK_REALTIMERATING table shows the equipment rating values in MVA used as inputs to constraints in the dispatch solution. This includes	Public

	values for both static and dynamic ratings. The NETWORK_RATING table can be used to determine the physical equipment the rating is for based on the SPD_ID value.	
NETWORK_STATICRATING	NETWORK_STATICRATING lists the static rating values that will apply for a Rating Application ID. This data does not provide information for when the rating actually applies in the NEM. This is dependent on the Rating Application definition. For information on the Rating Applications please refer to the information published on the AEMO website under the topic "Transmission Equipment Ratings". The Rating Applications are referred to as Alternate Value Application Ratings. Ratings that normally use dynamic values will also have static rating values defined. These are used as a fallback if the dynamic rating fails.	Public
NETWORK_SUBSTATIONDETAIL	NETWORK_SUBSTATIONDETAIL sets out the attributes of sub-stations across time	Public

32.2 Diagram: Entities: NETWORK



32.3 Table: NETWORK_EQUIPMENTDETAIL

32.3.1 NETWORK_EQUIPMENTDETAIL

Name	NETWORK_EQUIPMENTDETAIL
Comment	NETWORK_EQUIPMENTDETAIL Provides details on equipment that may have outages or ratings. A single piece of equipment may have multiple records if its details change. A line will typically have at least two valid records at a time, once for each end of the line.

32.3.2 Notes

Name	Comment	Value
Visibility		Public

32.3.3 Primary Key Columns

Name
ELEMENTID
EQUIPMENTID
EQUIPMENTTYPE
SUBSTATIONID
VALIDFROM

32.3.4 Index Columns

Name
LASTCHANGED

32.3.5 Content

Name	Data Type	Mandatory	Comment
SUBSTATIONID	VARCHAR(30)	X	ID uniquely identifying the substation this

			equipment is located at
EQUIPMENTTYPE	VARCHAR(10)	X	The type of equipment. Valid values are: LINE = Line TRANS = Transformer CB = Circuit breaker ISOL = Isolator CAP = Capacitor REAC = Reactor UNIT = Unit
EQUIPMENTID	VARCHAR(30)	X	A unique identifier for this type of equipment at this substation
VALIDFROM	TIMESTAMP(3)	X	The date that this record is applies from (inclusive)
VALIDTO	TIMESTAMP(3)		The date that this record applies until (exclusive)
VOLTAGE	VARCHAR(20)		The voltage in KV for this equipment. Transformers may have multiple voltages defined. E.g. 132_110_33
DESCRIPTION	VARCHAR(100)		A short description for this equipment.
LASTCHANGED	TIMESTAMP(3)		The time that this record was last changed.
ELEMENTID	NUMBER(15,0)	X	Equipment element id

32.4 Table: NETWORK_OUTAGECONSTRAINTSET

32.4.1 NETWORK_OUTAGECONSTRAINTSET

Name NETWORK_OUTAGECONSTRAINTSET

Comment NETWORK_OUTAGECONSTRAINTSET lists the Constraint Set or Sets that are expected to be invoked for the outage once it is confirmed to proceed.

32.4.2 Notes

Name Comment Value

Visibility	Public

32.4.3 Primary Key Columns

Name

GENCONSETID

OUTAGEID

32.4.4 Content

Name	Data Type	Mandatory	Comment
OUTAGEID	NUMBER(15,0)	X	ID uniquely identifying the outage
GENCONSETID	VARCHAR(50)	X	ID for the constraint set
STARTINTERVAL	DATE		The dispatch interval that this constraint applies from
ENDINTERVAL	DATE		The dispatch interval that this constraint applies until.

32.5 Table: NETWORK_OUTAGEDETAIL

32.5.1 NETWORK_OUTAGEDETAIL

Name	NETWORK_OUTAGEDETAIL
Comment	Lists asset owners planned outages for transmission equipment. This also includes details for transmission equipment that will not have an outage, but associated secondary equipment has an outage and a related constraint set may be invoked. This scenario is indicated by the ISSECONDARY field in the table

32.5.2 Notes

Name	Comment	Value
Visibility		Public

32.5.3 Primary Key Columns

Name

ELEMENTID

EQUIPMENTID

EQUIPMENTTYPE

OUTAGEID

STARTTIME

SUBSTATIONID

32.5.4 Index Columns

Name

LASTCHANGED

32.5.5 Content

Name	Data Type	Mandatory	Comment
OUTAGEID	NUMBER(15,0)	X	ID uniquely identifying the outage
SUBSTATIONID	VARCHAR(30)	X	The substation this equipment is located at
EQUIPMENTTYPE	VARCHAR(10)	X	The type of equipment. Valid values are: LINE = Line TRANS = Transformer CB = Circuit breaker ISOL = Isolator CAP = Capacitor REAC = Reactor UNIT = Unit
EQUIPMENTID	VARCHAR(30)	X	A unique identifier for this equipment at this substation, and based on its type
STARTTIME	DATE	X	The planned starting date and time of the outage

ENDTIME	DATE		The planned ending date and time of the outage
SUBMITTEDDATE	DATE		The date and time this outage was first submitted
OUTAGESTATUSCODE	VARCHAR(10)		A code representing the status of the outage. The OUTAGESTATUSCODE table will store a detailed description of each code.
RESUBMITREASON	VARCHAR(50)		Changes to an outage key details may require the outage to be resubmitted. A new outage id will then be allocated and the outage will be reassessed. This field will detail the reason for the change.
RESUBMITOUTAGEID	NUMBER(15,0)		The new outage id created from a resubmit.
RECALLTIMEDAY	NUMBER(10,0)		The recall time in minutes during the day
RECALLTIMENIGHT	NUMBER(10,0)		The recall time in minutes during the night
LASTCHANGED	TIMESTAMP(3)		The time that this record was last changed
REASON	VARCHAR2(100)		The reason provided by the asset owner for this outage
ISSECONDARY	NUMBER(1,0)		1 = The outage is for a secondary piece of equipment that has an associated constraint set. The transmission equipment is still in service. 0 = The outage is for the transmission equipment
ACTUAL_STARTTIME	DATE		The actual starting date/time of the outage
ACTUAL_ENDTIME	DATE		The actual ending date/time of the outage
COMPANYREFCODE	VARCHAR2(20)		The asset owners reference code for this outage
ELEMENTID	NUMBER(15,0)	X	Equipment element id

32.6 Table: NETWORK_OUTAGESTATUSCODE

32.6.1 NETWORK_OUTAGESTATUSCODE

Name NETWORK_OUTAGESTATUSCODE

Comment	NETWORK_OUTAGESTATUSCODE describes the different outage status codes

32.6.2 Notes

Name	Comment	Value
Visibility		Public

32.6.3 Primary Key Columns

Name
OUTAGESTATUSCODE

32.6.4 Content

Name	Data Type	Mandatory	Comment
OUTAGESTATUSCODE	VARCHAR(10)	X	A code representing the status of an outage
DESCRIPTION	VARCHAR(100)		A description of the status code
LASTCHANGED	DATE		The time that this record was last changed

32.7 Table: NETWORK_RATING

32.7.1 NETWORK_RATING

Name	NETWORK_RATING
Comment	NETWORK_RATING defines a list of the equipment ratings that may be used as inputs to market constraints. If the rating is flagged as dynamic then in real-time the rating will be dynamically determined and the static value will be used as a fallback value should the dynamic value fail. Note: In some rare cases equipment has ratings provided from more than one TNSP. This is identified by a different SPD Id. The value used in the NEM is normally the more restrictive of the two values.

32.7.2 Notes

Name	Comment	Value
Visibility		Public

32.7.3 Primary Key Columns

Name
SPD_ID
VALIDFROM

32.7.4 Index Columns

Name
LASTCHANGED

32.7.5 Content

Name	Data Type	Mandatory	Comment
SPD_ID	VARCHAR(21)	X	ID defining this data source for use in constraints
VALIDFROM	DATE	X	The date that this record is applies from (inclusive)
VALIDTO	DATE		The date that this record applies until (exclusive)
REGIONID	VARCHAR(10)		The region that this rating is for
SUBSTATIONID	VARCHAR(30)		The substation the equipment is located at
EQUIPMENTTYPE	VARCHAR(10)		The type of equipment. Valid values are: LINE = Line TRANS = Transformer CB = Circuit breaker ISOL = Isolator CAP = Capacitor

			REAC = Reactor UNIT = Unit
EQUIPMENTID	VARCHAR(30)		A unique identifier for this equipment at this substation, and based on its type
RATINGLEVEL	VARCHAR(10)		The rating level of the value used, one of: NORM = Continuous rating value. Applied under pre-contingent conditions. EMER = Continuous rating value. Applied under pre-contingent conditions LDSH = Load Shedding
ISDYNAMIC	NUMBER(1,0)		One of: 1 = Normally uses dynamic ratings 0 = No dynamic ratings, static ratings are used
LASTCHANGED	DATE		The time that this record was last changed

32.8 Table: NETWORK_REALTIMERATING

32.8.1 NETWORK_REALTIMERATING

Name NETWORK_REALTIMERATING

Comment The NETWORK_REALTIMERATING table shows the equipment rating values in MVA used as inputs to constraints in the dispatch solution. This includes values for both static and dynamic ratings. The NETWORK_RATING table can be used to determine the physical equipment the rating is for based on the SPD_ID value.

32.8.2 Notes

Name	Comment	Value
Visibility		Public

32.8.3 Primary Key Columns

Name

SETTLEMENTDATE

SPD_ID

32.8.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	The dispatch interval the rating applies to
SPD_ID	VARCHAR(21)	X	ID defining this data source for use in constraints
RATINGVALUE	NUMBER(16,6)	X	The defined equipment rating value in MVA

32.9 Table: NETWORK_STATICRATING

32.9.1 NETWORK_STATICRATING

Name NETWORK_STATICRATING

Comment NETWORK_STATICRATING lists the static rating values that will apply for a Rating Application ID.

This data does not provide information for when the rating actually applies in the NEM. This is dependent on the Rating Application definition.

For information on the Rating Applications please refer to the information published on the AEMO website under the topic "Transmission Equipment Ratings". The Rating Applications are referred to as Alternate Value Application Ratings.

Ratings that normally use dynamic values will also have static rating values defined. These are used as a fallback if the dynamic rating fails.

32.9.2 Notes

Name	Comment	Value
Visibility		Public

32.9.3 Primary Key Columns

Name
APPLICATIONID
EQUIPMENTID

EQUIPMENTTYPE

RATINGLEVEL

SUBSTATIONID

VALIDFROM

32.9.4 Index Columns

Name

LASTCHANGED

32.9.5 Content

Name	Data Type	Mandatory	Comment
SUBSTATIONID	VARCHAR(30)	X	The substation the equipment is located at
EQUIPMENTTYPE	VARCHAR(10)	X	The type of equipment. Valid values are: LINE = Line TRANS = Transformer CB = Circuit breaker ISOL = Isolator CAP = Capacitor REAC = Reactor UNIT = Unit
EQUIPMENTID	VARCHAR(30)	X	A unique identifier for this type of equipment at this substation
RATINGLEVEL	VARCHAR(10)	X	The rating level of the value used, one of: NORM = Continuous rating value. Applied under pre-contingent conditions. EMER = Continuous rating value. Applied under pre-contingent conditions LDSH = Load Shedding
APPLICATIONID	VARCHAR(20)	X	The applicationid which defines the application timeframes of this rating.

VALIDFROM	DATE	X	The date that this record is applies from (inclusive)
VALIDTO	DATE		The date that this record applies until (exclusive)
RATINGVALUE	NUMBER(16,6)		The rating value in MVA that applies. This may be positive or negative depending on which side of the nominal MW flow direction the rating value applies. Flow into a transmission device is positive, flow out of the device is negative.
LASTCHANGED	DATE		The time that this record was last changed.

32.10 Table: NETWORK_SUBSTATIONDETAIL

32.10.1 NETWORK_SUBSTATIONDETAIL

Name NETWORK_SUBSTATIONDETAIL

Comment NETWORK_SUBSTATIONDETAIL sets out the attributes of sub-stations across time

32.10.2 Notes

Name	Comment	Value
Visibility		Public

32.10.3 Primary Key Columns

Name

SUBSTATIONID

VALIDFROM

32.10.4 Index Columns

Name

LASTCHANGED

32.10.5 Content

Name	Data Type	Mandatory	Comment
SUBSTATIONID	VARCHAR(30)	X	ID uniquely identifying this substation
VALIDFROM	TIMESTAMP(3)	X	The record is valid from this date (inclusive)
VALIDTO	TIMESTAMP(3)		The record is valid up until this date (exclusive)
DESCRIPTION	VARCHAR(100)		Description of the substation
REGIONID	VARCHAR(10)		The NEM region the substation is in
OWNERID	VARCHAR(30)		The TNSP who is responsible for this substation
LASTCHANGED	TIMESTAMP(3)		The time that this record was last changed.

33 Package: VOLTAGE_INSTRUCTIONS

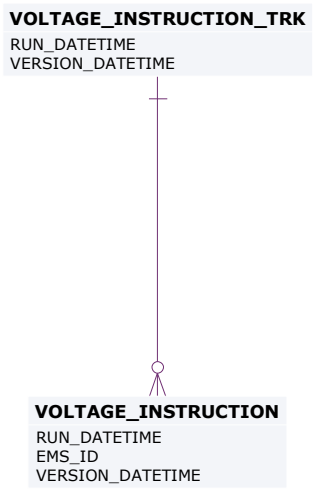
Name VOLTAGE_INSTRUCTIONS

Comment Instructions for MVAr Dispatch

33.1 List of tables

Name	Comment	Visibility
VOLTAGE_INSTRUCTION	Child record for Voltage Instructions (MVAr Dispatch)	Public
VOLTAGE_INSTRUCTION_TRK	Parent record for Voltage Instructions (MVAr Dispatch). 'SIGNAL' records will have no children; 'INSTRUCTION' records will have children	Public

33.2 Diagram: Entities: Voltage Instructions



33.3 Table: VOLTAGE_INSTRUCTION

33.3.1 VOLTAGE_INSTRUCTION

Name	VOLTAGE_INSTRUCTION
Comment	Child record for Voltage Instructions (MVAr Dispatch)

33.3.2 Notes

Name	Comment	Value
Visibility		Public

33.3.3 Primary Key Columns

Name

EMS_ID

RUN_DATETIME

VERSION_DATETIME

33.3.4 Index Columns

Name

RUN_DATETIME

VERSION_DATETIME

EMS_ID

33.3.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	date	X	MVAr Interval – a timestamp of when instructions issued
EMS_ID	varchar2(60)	X	The unique identifier for reference within

			AEMO –matches equipment names between NOS and EMS
PARTICIPANTID	varchar2(20)		The NEM id of the participant who owns the equipment
STATION_ID	varchar2(60)		The id of the station where the control equipment resides
DEVICE_ID	varchar2(60)		The company/participant preferred name of an equipment
DEVICE_TYPE	varchar2(20)		One of REACTOR, CAPACITOR, GEN, SVC, TRANS or GRPGEN but may be extended to other types
CONTROL_TYPE	varchar2(20)		One of VOLTAGE, TAP, MVAR, SWITCH or COMMIT but may be extended to other types
TARGET	number(20,5)		Instruction for the device, for this interval null denotes no instruction
CONFORMING	number(1,0)		[0,1] Denotes if the Device is currently conforming
INSTRUCTION_SUMMARY	varchar2(400)		Verbose summary of instruction
VERSION_DATETIME	DATE	X	Datetime the file was published by VDS - Versions differ from Run_DateTime only for Supplemental runs
INSTRUCTION_SEQUENCE	number(4,0)		Order for execution of Instruction
ADDITIONAL_NOTES	varchar2(60)		Additional information pertaining to a particular instruction, e.g. Previously issued instruction revoked

33.4 Table: VOLTAGE_INSTRUCTION_TRK

33.4.1 VOLTAGE_INSTRUCTION_TRK

Name VOLTAGE_INSTRUCTION_TRK

Comment Parent record for Voltage Instructions (MVAr Dispatch). 'SIGNAL' records will have no children; 'INSTRUCTION' records will have children

33.4.2 Notes

Name	Comment	Value
Visibility		Public

33.4.3 Primary Key Columns

Name
RUN_DATETIME
VERSION_DATETIME

33.4.4 Index Columns

Name
RUN_DATETIME
VERSION_DATETIME

33.4.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	date	X	MVAr Interval - a timestamp of when instructions issued
FILE_TYPE	varchar2(20)		Either 'SIGNAL' (childless) or 'INSTRUCTION'
VERSION_DATETIME	DATE	X	Datetime the file was published by VDS - Versions differ from Run_DateTime only for Supplemental runs
SE_DATETIME	DATE		State Estimator start time, when a snapshot is taken of SCADA values
SOLUTION_CATEGORY	varchar2(60)		VDS solver solution category. Valid values: SUCCESS, WARNING, FAILURE
SOLUTION_STATUS	varchar2(60)		VDS solver solution status. Valid values: NOACTCNV [Solved with no instructions], NOVIOACT, CONVERGE, UNMANAGE, UNMANCTG, CTGDIV, SENHDIV [Failed with

			too many violations], BCDIV
OPERATING_MODE	varchar2(60)		The current VDS operating mode. Valid values: AUTO, AUTO-VERFIED, MANUAL
OPERATING_STATUS	varchar2(100)		Unstructured code and message from AEMO
EST_EXPIRY	DATE		Estimated expiry time of current Instruction set
EST_NEXT_INSTRUCTION	DATE		Estimated issue time of next Instruction set

34 Package: PD7DAY

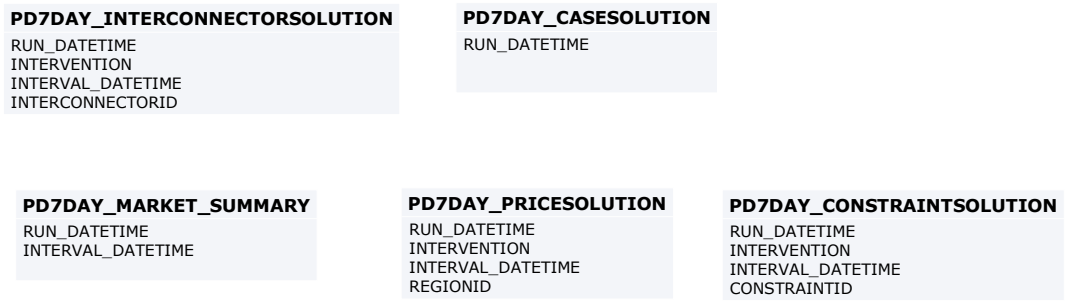
Name PD7DAY

Comment Results from a published Predispatch 7 Day Run

34.1 List of tables

Name	Comment	Visibility
PD7DAY_CASESOLUTION	PD7DAY case solution table	Public
PD7DAY_CONSTRAINTSOLUTION	PD7DAY constraint solution	Public
PD7DAY_INTERCONNECTORSOLUTION	PD7DAY intereconnector solution	Public
PD7DAY_MARKET_SUMMARY	PD7DAY market summary showing calculated gas fuel forecasts	Public
PD7DAY_PRICESOLUTION	PD7DAY price solution	Public

34.2 Diagram: Entities: PD7DAY



34.3 Table: PD7DAY_CASESOLUTION

34.3.1 PD7DAY_CASESOLUTION

Name	PD7DAY_CASESOLUTION
Comment	PD7DAY case solution table

34.3.2 Notes

Name	Comment	Value
Visibility		Public

34.3.3 Primary Key Columns

Name
RUN_DATETIME

34.3.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVENTION	NUMBER(2,0)		Flag to indicate if this Predispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run.
LASTCHANGED	DATE		Last date and time record changed

34.4 Table: PD7DAY_CONSTRAINTSOLUTION

34.4.1 PD7DAY_CONSTRAINTSOLUTION

Name	PD7DAY_CONSTRAINTSOLUTION
Comment	PD7DAY constraint solution

34.4.2 Notes

Name	Comment	Value
Visibility		Public

34.4.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
INTERVENTION
RUN_DATETIME

34.4.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVENTION	NUMBER(2,0)	X	Flag to indicate if this Predispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run.
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
CONSTRAINTID	VARCHAR2(20)	X	Constraint identifier (synonymous with GenConID)
RHS	NUMBER(15,5)		Right Hand Side value in the capacity evaluation in MW
MARGINALVALUE	NUMBER(15,5)		Marginal cost of constraint (>0 if binding) in $/MW
VIOLATIONDEGREE	NUMBER(15,5)		Amount of Violation (>0 if violating) in MW
LHS	NUMBER(15,5)		Aggregation of the constraints LHS term

			solution values in MW
LASTCHANGED	DATE		Last date and time record changed

34.5 Table: PD7DAY_INTERCONNECTORSOLUTION

34.5.1 PD7DAY_INTERCONNECTORSOLUTION

Name PD7DAY_INTERCONNECTORSOLUTION

Comment PD7DAY intereconnector solution

34.5.2 Notes

Name	Comment	Value
Visibility		Public

34.5.3 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

INTERVENTION

RUN_DATETIME

34.5.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVENTION	NUMBER(2,0)	X	Flag to indicate if this Predispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run.
INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this

			study
INTERCONNECTORID	VARCHAR2(20)	X	Interconnector identifier
METEREDMWFLOW	NUMBER(15,5)		SCADA MW Flow measured at Run start. For periods subsequent to the first period of a PD7DAY run, this value represents the cleared target for the previous period of that PD7DAY run.
MWFLOW	NUMBER(15,5)		Cleared Interconnector loading level (MW)
MWLOSSES	NUMBER(15,5)		Interconnector Losses at cleared flow
MARGINALVALUE	NUMBER(15,5)		Marginal cost of Interconnector standing data limits (if binding)
VIOLATIONDEGREE	NUMBER(15,5)		Violation of Interconnector standing data limits
EXPORTLIMIT	NUMBER(15,5)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
IMPORTLIMIT	NUMBER(15,5)		Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow.
MARGINALLOSS	NUMBER(15,5)		Marginal loss factor at the cleared flow
EXPORTCONSTRAINTID	VARCHAR2(20)		Generic Constraint setting the export limit
IMPORTCONSTRAINTID	VARCHAR2(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy + Frequency Controlled Ancillary Services.
FCASIMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy + Frequency Controlled Ancillary Services.
LOCAL_PRICE_ADJUSTMENT_EXPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINED_EXPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage

			Constraints
LOCAL_PRICE_ADJUSTMENT_IMPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINED_IMPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
LASTCHANGED	DATE		Last date and time record changed

34.6 Table: PD7DAY_MARKET_SUMMARY

34.6.1 PD7DAY_MARKET_SUMMARY

Name PD7DAY_MARKET_SUMMARY

Comment PD7DAY market summary showing calculated gas fuel forecasts

34.6.2 Notes

Name	Comment	Value
Visibility		Public

34.6.3 Primary Key Columns

Name

INTERVAL_DATETIME

RUN_DATETIME

34.6.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study

INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
GPG_FUEL_FORECAST_TJ	NUMBER(15,5)		The total gas consumption in TJ

34.7 Table: PD7DAY_PRICESOLUTION

34.7.1 PD7DAY_PRICESOLUTION

Name	PD7DAY_PRICESOLUTION
Comment	PD7DAY price solution

34.7.2 Notes

Name	Comment	Value
Visibility		Public

34.7.3 Primary Key Columns

Name

INTERVAL_DATETIME

INTERVENTION

REGIONID

RUN_DATETIME

34.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this study
INTERVENTION	NUMBER(2,0)	X	Flag to indicate if this Predispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run.

INTERVAL_DATETIME	DATE	X	The unique identifier for the interval within this study
REGIONID	VARCHAR2(20)	X	Region Identifier
RRP	NUMBER(15,5)		Region Reference Price (Energy)
LOWER1SECRRP	NUMBER(15,5)		Regional Lower 1Sec Price - RegionSolution element L1Price attribute
LOWER6SECRRP	NUMBER(15,5)		Region Reference Price (Lower6Sec)
LOWER60SECRRP	NUMBER(15,5)		Region Reference Price (Lower60Sec)
LOWER5MINRRP	NUMBER(15,5)		Region Reference Price (Lower5Min)
LOWERREGRRP	NUMBER(15,5)		Region Reference Price (LowerReg)
RAISE1SECRRP	NUMBER(15,5)		Regional Raise 1Sec Price - R1Price attribute after capping/flooring
RAISE6SECRRP	NUMBER(15,5)		Region Reference Price (Raise6Sec)
RAISE60SECRRP	NUMBER(15,5)		Region Reference Price (Raise60Sec)
RAISE5MINRRP	NUMBER(15,5)		Region Reference Price (Raise5Min)
RAISEREGRRP	NUMBER(15,5)		Region Reference Price (RaiseReg)
LASTCHANGED	DATE		Last date and time record changed
BDU_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy Storage for BDU at the start of the interval(MWh) - Region Aggregated
DECGEN_INITIAL_ENERGY_STORAGE	NUMBER(15,5)		Energy storage for Daily Energy Constrained Scheduled Generating Units at the start of the interval(MWh) - Region Aggregated

35 Package: FPP

Name FPP

Comment Results from a published Frequency Performance Payments (FPP) Run. The FPP calculation runs performs every trading interval (typically 5 minutes, but different for P5MIN / PREDISPATCH) and input data feeding into the calculations. The output data from the calculations is published on that same interval. There are some tables that operate on different frequencies (e.g. P5MIN / PREDISPATCH) as well as some data becoming public the following market day. For further details please see the FPP procedure and supporting documentation.

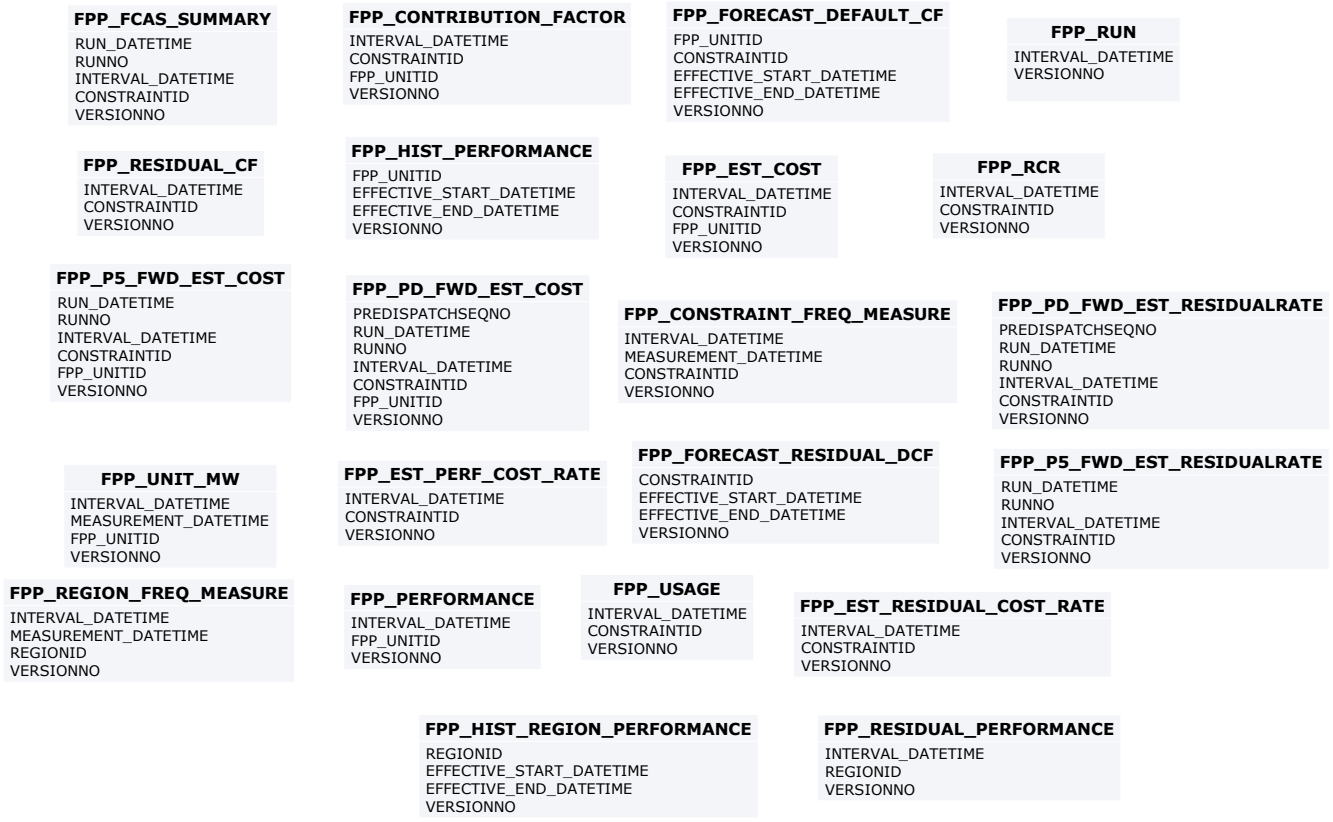
35.1 List of tables

Name	Comment	Visibility
FPP_CONSTRAINT_FREQ_MEASURE	This report delivers the weighted 4 second frequency measure data for each constraint	Public
FPP_CONTRIBUTION_FACTOR	This report delivers the calculated contribution factor value for each 5 minute trading interval for each constraint and FPP unit	Private & Public Next-Day
FPP_EST_COST	This report delivers the estimated cost for each FPP unit for each constraint for each 5 minute trading interval	Private
FPP_EST_PERF_COST_RATE	This report delivers the estimated performance cost rate for each constraint for each 5 minute trading interval	Public
FPP_EST_RESIDUAL_COST_RATE	This report delivers the estimated residual cost rate for each constraint for each 5 minute trading interval	Public
FPP_FCAS_SUMMARY	This report delivers a summary of FCAS requirements as used by the FPP calculation (i.e. only RAISEREG / LOWERREG bid types)	Public
FPP_FORECAST_DEFAULT_CF	This report delivers the forecast default contribution factors (DCF) effective for a billing period (aligned to the settlement week)	Public
FPP_FORECAST_RESIDUAL_DCF	This report delivers the forecast residual default contribution factors (DCF) effective for a billing period (aligned to the settlement week)	Public
FPP_HIST_PERFORMANCE	This report delivers the historical performance calculated based on a historical period and effective	Public

	for a billing period (aligned to the settlement week)	
FPP_HIST_REGION_PERFORMANCE	This report delivers the historical region performance calculated based on a historical period and effective for a billing period (aligned to the settlement week). This calculated historical region performance calculation is an input into the constraint level residual default contribution factor (DCF) which is published in FPP_FORECAST_RESIDUAL_DCF	Public
FPP_P5_FWD_EST_COST	This report delivers the forward estimated unit cost based on P5min runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 5 minute pre-dispatch interval.	Private
FPP_P5_FWD_EST_RESIDUALRATE	This report delivers the forward estimated residual cost rate based on P5min runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 5 minute pre-dispatch interval.	Public
FPP_PD_FWD_EST_COST	This report delivers the forward estimated unit cost based on PREDISPATCH runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 30 minute pre-dispatch interval.	Private
FPP_PD_FWD_EST_RESIDUALRATE	This report delivers the forward estimated residual cost rate based on PREDISPATCH runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 30 minute pre- dispatch interval.	Public
FPP_PERFORMANCE	This report delivers the calculated performance value for each 5 minute trading interval for each FPP unit	Private & Public Next-Day
FPP_RCR	This report delivers the calculated RCR for each constraint for each 5 minute trading interval	Public
FPP_REGION_FREQ_MEASURE	This report delivers the curated 4 second frequency deviation and frequency measure data for each region	Public
FPP_RESIDUAL_CF	This report delivers the calculated residual contribution factor value for each 5 minute trading interval for each constraint	Public
FPP_RESIDUAL_PERFORMANCE	This report delivers the calculated residual performance value for each 5 minute trading interval	Public
FPP_RUN	This report delivers details of the 5-minute FPP calculation engine success failure outcome saved in	Public

	FPP database	
FPP_UNIT_MW	This report delivers the curated 4 second measurement MW data for each FPP unit	Private & Public Next-Day
FPP_USAGE	This report delivers the calculated usage for each constraint for each 5 minute trading interval	Public

35.2 Diagram: Entities: FPP



35.3 Table: FPP_CONSTRAINT_FREQ_MEASURE

35.3.1 FPP_CONSTRAINT_FREQ_MEASURE

Name	FPP_CONSTRAINT_FREQ_MEASURE
Comment	This report delivers the weighted 4 second frequency measure data for each constraint

35.3.2 Notes

Name	Comment	Value
Visibility		Public

35.3.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
MEASUREMENT_DATETIME
VERSIONNO

35.3.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
MEASUREMENT_DATETIME	DATE	X	Date and time of the SCADA data (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)

BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
FM_RAISE_HZ	NUMBER(18,8)		Calculated 4 second Frequency Measure in Hz for that constraint from the FPP database. Frequency Measure data is split across these two raise and lower columns in the following ways: >0 = Allocated to the FM_RAISE_HZ column <0 = Allocated to the FM_LOWER_HZ column 0 = To fill any gaps where the alternative column is not applicable (or no deviation from 50 Hz)
FM_LOWER_HZ	NUMBER(18,8)		Calculated 4 second Frequency Measure in Hz for that constraint from the FPP database. Frequency Measure data is split across these two raise and lower columns in the following ways: >0 = Allocated to the FM_RAISE_HZ column <0 = Allocated to the FM_LOWER_HZ column 0 = To fill any gaps where the alternative column is not applicable (or no deviation from 50 Hz)
USED_IN_RCR_FLAG	NUMBER(5)		Flag to indicate the result of the Frequency Measure alignment check between Mainland and Tasmania for global constraints. Supported values are: 0 = Not used in RCR calculation as the signs for the frequency measures between Mainland and Tasmania do not align 1 = Used in the RCR calculation as the signs for the frequency measures between Mainland and Tasmania do align in the case of global constraints. For non-global constraints this flag is set to 1
CORRELATION_FLAG	NUMBER(5)		Flag to indicate the result of the Frequency Measure correlation check between regions in the same constraint. Supported values are: 0 = Frequency measures in this constraint are not correlated (e.g. system separation between two regions) 1 = Frequency measures in this constraint are correlated
LASTCHANGED	DATE		Last date and time record changed

35.4 Table: FPP_CONTRIBUTION_FACTOR

35.4.1 FPP_CONTRIBUTION_FACTOR

Name	FPP_CONTRIBUTION_FACTOR
Comment	This report delivers the calculated contribution factor value for each 5 minute trading interval for each constraint and FPP unit

35.4.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

35.4.3 Primary Key Columns

Name

CONSTRAINTID

FPP_UNITID

INTERVAL_DATETIME

VERSIONNO

35.4.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID/ TNI)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP

			calculations)
CONTRIBUTION_FACTOR	NUMBER(18,8)		Contribution Factor (the calculated contribution factor for the FPP unit and constraint ID for that trading interval) - for further details please see the FPP procedure document
NEGATIVE_CONTRIBUTION_FACTOR	NUMBER(18,8)		Negative Contribution Factor (the calculated negative contribution factor for the FPP unit and constraint ID for that trading interval) - for further details please see the FPP procedure document
DEFAULT_CONTRIBUTION_FACTOR	NUMBER(18,8)		The Default Contribution Factor (the calculated default contribution factor based on historical performance for the FPP unit and constraint ID for that trading interval) that is effective for this trading interval, which joins back to FPP_FORECAST_DEFAULT_CF - for further details please see the FPP procedure document
CF_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the contribution factor (CF) Supported values are: 0 = CF is calculated based on good input data 1 = CF is 0 because it is not primary in the group 2 = CF is not for the DUID but for the whole group 4 = CF is calculated based on substitute performance 8 = CF is 0 because FM is unreliable. 16 = CF is 0 because more than 50 percent input is bad or not available.
CF_ABS_POSITIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute positive performance in MWHz for the combination of constraint / bid type (raise or lower). This is used as the denominator in normalising contribution factors (CF) where a units performance is positive. For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable
CF_ABS_NEGATIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute negative performance in MWHz for the combination of constraint / bid type (raise or lower). This is used as the denominator in normalising contribution factors (CF) where a units performance is negative. For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable

NCF_ABS_NEGATIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute negative performance in MWHz for the combination of constraint / bid type (raise or lower). This is used as the denominator in normalising negative contribution factors (NCF). For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable 0 = When NCF is zero (i.e. CF is positive), then this total will be represented as zero
PARTICIPANTID	VARCHAR2(20)		Participant ID
SETTLEMENTS_UNITID	VARCHAR2(50)		The Settlements Unit ID (registered DUID / TNI) Note that this SETTLEMENTS_UNITID is what is sent and used by the Settlements system, and may be different from the FPP_UNITID for non-scheduled loads where the FPP_UNITID may be a descriptive key, whereas what will be sent to Settlements as the SETTLEMENTS_UNITID will be the TNI code.
LASTCHANGED	DATE		Last date and time record changed

35.5 Table: FPP_EST_COST

35.5.1 FPP_EST_COST

Name FPP_EST_COST

Comment This report delivers the estimated cost for each FPP unit for each constraint for each 5 minute trading interval

35.5.2 Notes

Name	Comment	Value
Visibility		Private

35.5.3 Primary Key Columns

Name

CONSTRAINTID

FPP_UNITID

INTERVAL_DATETIME

VERSIONNO

35.5.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID / TNI)
VERSIONNO	NUMBER(10)	X	The version number. In most cases this version will be the FPP run number from the FPP database, however there are some cases (like a new pricing run of the constraint FCAS processor received by the FPP system) where the version number listed here will be the financial estimate run number from the FPP database (this number is a different sequence from the FPP run number because there is no recalculation of performance or contribution, just changes to pricing / p regulation hence only the financial estimation is performed).
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
FPP	NUMBER(18,8)		FPP in AUD (the financial estimate of frequency performance payment calculated for the constraint / bid type / unit). This value can be either positive (credit) or negative (debit). For details on the calculation, please see FPP procedure and supporting documentation.
USED_FCAS	NUMBER(18,8)		Used recovery FCAS in AUD (the financial estimate of the recovery of used FCAS calculated for the constraint / bid type / unit).

			This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.
UNUSED_FCAS	NUMBER(18,8)		Unused recovery FCAS in AUD (the financial estimate of the recovery of unused FCAS calculated for the constraint / bid type / unit). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.
PARTICIPANTID	VARCHAR2(20)		Participant ID
LASTCHANGED	DATE		Last date and time record changed

35.6 Table: FPP_EST_PERF_COST_RATE

35.6.1 FPP_EST_PERF_COST_RATE

Name FPP_EST_PERF_COST_RATE

Comment This report delivers the estimated performance cost rate for each constraint for each 5 minute trading interval

35.6.2 Notes

Name	Comment	Value
Visibility		Public

35.6.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

VERSIONNO

35.6.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(10)	X	The version number. In most cases this version will be the FPP run number from the FPP database, however there are some cases (like a new pricing run of the constraint FCAS processor received by the FPP system) where the version number listed here will be the financial estimate run number from the FPP database (this number is a different sequence from the FPP run number because there is no recalculation of performance or contribution, just changes to pricing / p regulation hence only the financial estimation is performed).
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
FPP_PAYMENT_RATE	NUMBER(18,8)		The payment rate for FPP in AUD / MWHz (the denominator used is the sum of positive performance for the constraint calculated by contribution factor calculation). This value will be either 0 (nil), or a positive value (credit) only. For details on the calculation, please see FPP procedure and supporting documentation.
FPP_RECOVERY_RATE	NUMBER(18,8)		The recovery rate for FPP in AUD / MWHz (the denominator used is the absolute sum of negative performance for the constraint calculated by the contribution factor calculation). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.
USED_FCAS_RATE	NUMBER(18,8)		The rate for used FCAS in AUD / MWHz (the denominator used is the absolute sum of negative performance for the constraint

			calculated by the negative contribution factor calculation). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.
UNUSED_FCAS_RATE	NUMBER(18,8)		The rate for unused FCAS in AUD / MWHz (the denominator used is the absolute sum of negative performance for the constraint calculated by the default contribution factor calculation). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.
LASTCHANGED	DATE		Last date and time record changed

35.7 Table: FPP_EST_RESIDUAL_COST_RATE

35.7.1 FPP_EST_RESIDUAL_COST_RATE

Name	FPP_EST_RESIDUAL_COST_RATE
Comment	This report delivers the estimated residual cost rate for each constraint for each 5 minute trading interval

35.7.2 Notes

Name	Comment	Value
Visibility		Public

35.7.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
VERSIONNO

35.7.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(10)	X	The version number. In most cases this version will be the FPP run number from the FPP database, however there are some cases (like a new pricing run of the constraint FCAS processor received by the FPP system) where the version number listed here will be the financial estimate run number from the FPP database (this number is a different sequence from the FPP run number because there is no recalculation of performance or contribution, just changes to pricing / p regulation hence only the financial estimation is performed).
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
FPP	NUMBER(18,8)		FPP in AUD/MWh (the financial estimate of frequency performance payment calculated). This value can be either positive (credit) or negative (debit). For details on the calculation, please see FPP procedure and supporting documentation.
USED_FCAS	NUMBER(18,8)		Used recovery FCAS in AUD/MWh (the financial estimate of the recovery of used FCAS calculated). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.
UNUSED_FCAS	NUMBER(18,8)		Unused recovery FCAS in AUD/MWh (the financial estimate of the recovery of unused FCAS calculated). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation.

LASTCHANGED	DATE		Last date and time record changed

35.8 Table: FPP_FCAS_SUMMARY

35.8.1 FPP_FCAS_SUMMARY

Name FPP_FCAS_SUMMARY

Comment This report delivers a summary of FCAS requirements as used by the FPP calculation (i.e. only RAISEREG / LOWERREG bid types)

35.8.2 Notes

Name	Comment	Value
Visibility		Public

35.8.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

RUN_DATETIME

RUNNO

VERSIONNO

35.8.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the dispatch case that was the trigger for the constraint FCAS processor execution
RUNNO	NUMBER(5)	X	The dispatch case run number that was the trigger for the constraint FCAS processor execution

INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(10)	X	The version number. In most cases this version will be the FPP run number from the FPP database, however there are some cases (like a new pricing run of the constraint FCAS processor received by the FPP system) where the version number listed here will be the financial estimate run number from the FPP database (this number is a different sequence from the FPP run number because there is no recalculation of performance or contribution, just changes to pricing / p regulation hence only the financial estimation is performed).
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations, i.e. RAISEREG or LOWERREG)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
REGULATION_MW	NUMBER(18,8)		Enabled regulation MW used in the FPP calculation (from FPP database)
CONSTRAINT_MARGINAL_VALUE	NUMBER(18,8)		Marginal value in AUD/MW per hour related to the constraint (from FCAS data used for FPP calculations)
P_REGULATION	NUMBER(18,8)		P regulation value in AUD/MW per hour related to the constraint (from FCAS data used for FPP calculations also known as adjusted marginal value)
BASE_COST	NUMBER(18,8)		Base cost in AUD related to the constraint (from FCAS data used for FPP calculations)
TSFCAS	NUMBER(18,8)		TSFCAS in AUD related to the constraint (FCAS recovery amount related to the constraint also known as adjusted cost)
TOTAL_FPP	NUMBER(18,8)		Total amount of FPP in AUD changing hands related to the constraint (note that this is not the sum of FPP)
RCR	NUMBER(18,5)		RCR MW (the calculated requirement for corrective response from FPP database). Note

			that this is a join back to the FPP_RCR table.
USAGE_VALUE	NUMBER(18,8)		Usage (calculation of the proportion of regulation FCAS that was calculated to be used). Note that this is a join back to the FPP_USAGE table.
LASTCHANGED	DATE		Last date and time record changed

35.9 Table: FPP_FORECAST_DEFAULT_CF

35.9.1 FPP_FORECAST_DEFAULT_CF

Name FPP_FORECAST_DEFAULT_CF

Comment This report delivers the forecast default contribution factors (DCF) effective for a billing period (aligned to the settlement week)

35.9.2 Notes

Name	Comment	Value
Visibility		Public

35.9.3 Primary Key Columns

Name

CONSTRAINTID

EFFECTIVE_END_DATETIME

EFFECTIVE_START_DATETIME

FPP_UNITID

VERSIONNO

35.9.4 Content

Name	Data Type	Mandatory	Comment
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID/ TNI)

CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
EFFECTIVE_START_DATETIME	DATE	X	Effective period start date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this default contribution factor related to the combination of FPP unit ID / constraint. This is the billing period over which these default contribution factors will be effective / applied. In most cases this will align to the settlement week, however there are some cases (like a new constraint) where the effective start date will be prorated to align with the change.
EFFECTIVE_END_DATETIME	DATE	X	Effective period end date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this default contribution factor related to the combination of FPP unit ID / constraint. This is the billing period over which these default contribution factors will be effective / applied. Effective end date will align with the end of a settlement week.
VERSIONNO	NUMBER(10)	X	The version number. In most cases this version will be the historical performance calculation run number from the FPP database (which is different from the FPP run number), however there are some cases (like a new constraint) where the version number listed here will be the FPP run number from the FPP database (this will be where the effective start date time will be prorated to align with the detection of this change).
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
REGIONID	VARCHAR2(20)		Region ID of the frequency deviation / frequency measure
DEFAULT_CONTRIBUTION_FACTOR	NUMBER(18,8)		Calculated default contribution factor from the historical performance period. For further details please see the FPP procedure document.
DCF_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the default contribution factor (DCF)

DCF_ABS_NEGATIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute negative performance in MWHz for the combination of constraint (raise or lower). This is used as the denominator in normalising default contribution factors (DCF) as the historical performance is always negative for DCF. For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable
SETTLEMENTS_UNITID	VARCHAR2(50)		The Settlements Unit ID (registered DUID / TNI) Note that this SETTLEMENTS_UNITID is what is sent and used by the Settlements system, and may be different from the FPP_UNITID for non-scheduled loads where the FPP_UNITID may be a descriptive key, whereas what will be sent to Settlements as the SETTLEMENTS_UNITID will be the TNI code.
LASTCHANGED	DATE		Last date and time record changed

35.10 Table: FPP_FORECAST_RESIDUAL_DCF

35.10.1 FPP_FORECAST_RESIDUAL_DCF

Name	FPP_FORECAST_RESIDUAL_DCF
Comment	This report delivers the forecast residual default contribution factors (DCF) effective for a billing period (aligned to the settlement week)

35.10.2 Notes

Name	Comment	Value
Visibility		Public

35.10.3 Primary Key Columns

Name
CONSTRAINTID
EFFECTIVE_END_DATETIME

EFFECTIVE_START_DATETIME

VERSIONNO

35.10.4 Content

Name	Data Type	Mandatory	Comment
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
EFFECTIVE_START_DATETIME	DATE	X	Effective period start date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this residual default contribution factor related to the constraint. This is the billing period over which these default contribution factors will be effective / applied. In most cases this will align to the settlement week, however there are some cases (like a new constraint) where the effective start date will be prorated to align with the change.
EFFECTIVE_END_DATETIME	DATE	X	Effective period end date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this residual default contribution factor related to the constraint. This is the billing period over which these default contribution factors will be effective / applied. Effective end date will align with the end of a settlement week.
VERSIONNO	NUMBER(10)	X	The version number. In most cases this version will be the historical performance calculation run number from the FPP database (which is different from the FPP run number), however there are some cases (like a new constraint) where the version number listed here will be the FPP run number from the FPP database (this will be where the effective start date time will be prorated to align with the detection of this change).
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RESIDUAL_DCF	NUMBER(18,8)		Calculated residual default contribution factor from the historical performance period. For

			further details please see the FPP procedure document.
RESIDUAL_DCF_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the residual default contribution factor (DCF)
DCF_ABS_NEGATIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute negative performance in MWHz for the combination of constraint (raise or lower). This is used as the denominator in normalising default contribution factors (DCF). For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable
LASTCHANGED	DATE		Last date and time record changed

35.11 Table: FPP_HIST_PERFORMANCE

35.11.1 FPP_HIST_PERFORMANCE

Name	FPP_HIST_PERFORMANCE
Comment	This report delivers the historical performance calculated based on a historical period and effective for a billing period (aligned to the settlement week)

35.11.2 Notes

Name	Comment	Value
Visibility		Public

35.11.3 Primary Key Columns

Name
EFFECTIVE_END_DATETIME
EFFECTIVE_START_DATETIME
FPP_UNITID
VERSIONNO

35.11.4 Content

Name	Data Type	Mandatory	Comment
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID/ TNI)
EFFECTIVE_START_DATETIME	DATE	X	Effective period start date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this historical performance values related to the FPP unit ID. This is the billing period over which these historical performance values will be effective / applied over. This will align to the settlement week.
EFFECTIVE_END_DATETIME	DATE	X	Effective period end date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this historical performance values related to the FPP unit ID. This is the billing period over which these historical performance values will be effective / applied over. This will align to the settlement week.
VERSIONNO	NUMBER(10)	X	Version (FPP historical performance calculation run number from the FPP database) Note that due to the these historical calculations, the version numbers listed here are different to the normal FPP run number version for trading interval calculations.
HIST_PERIOD_START_DATETIME	DATE		Historical period start date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the historical period for this historical performance calculation related to the FPP unit ID. This is the historical period of trading intervals that feed into the historical performance calculation. This will align to the settlement week.
HIST_PERIOD_END_DATETIME	DATE		Historical period end date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the historical period for this historical performance calculation related to the FPP unit ID. This is the historical period of trading intervals that feed into the historical performance calculation. This will align to the settlement week.
REG_HIST_RAISE_PERFORMANCE	NUMBER(18,5)		Calculated regulation historical raise

			performance from the historical performance period (substitute raise performance when live performance is unavailable and default raise performance used for default contribution factor calculation) - please see the NER and FPP procedure documents for further information
REG_HIST_LOWER_PERFORMANCE	NUMBER(18,5)		Calculated regulation historical lower performance from the historical performance period (substitute lower performance when live performance is unavailable and default lower performance used for default contribution factor calculation) - please see the NER and FPP procedure documents for further information
FPP_HIST_RAISE_PERFORMANCE	NUMBER(18,5)		Calculated FPP historical raise performance from the historical performance period (substitute raise performance calculated used for negative contribution factor calculation when live performance is unavailable) - please see the NER and FPP procedure documents for further information
FPP_HIST_LOWER_PERFORMANCE	NUMBER(18,5)		Calculated FPP historical lower performance from the historical performance period (substitute lower performance calculated used for negative contribution factor calculation when live performance is unavailable) - please see the NER and FPP procedure documents for further information
LASTCHANGED	DATE		Last date and time record changed

35.12 Table: FPP_HIST_REGION_PERFORMANCE

35.12.1 FPP_HIST_REGION_PERFORMANCE

Name FPP_HIST_REGION_PERFORMANCE

Comment This report delivers the historical region performance calculated based on a historical period and effective for a billing period (aligned to the settlement week). This calculated historical region performance calculation is an input into the constraint level residual default contribution factor (DCF) which is published in FPP_FORECAST_RESIDUAL_DCF

35.12.2 Notes

Name	Comment	Value
Visibility		Public

35.12.3 Primary Key Columns

Name

EFFECTIVE_END_DATETIME

EFFECTIVE_START_DATETIME

REGIONID

VERSIONNO

35.12.4 Content

Name	Data Type	Mandatory	Comment
REGIONID	VARCHAR2(20)	X	Region ID of the historical region performance
EFFECTIVE_START_DATETIME	DATE	X	Effective period start date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this historical performance values related to the region ID. This is the billing period over which these historical performance values will be effective / applied over. This will align to the settlement week.
EFFECTIVE_END_DATETIME	DATE	X	Effective period end date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the effective period for this historical performance values related to the region ID. This is the billing period over which these historical performance values will be effective / applied over. This will align to the settlement week.
VERSIONNO	NUMBER(10)	X	Version (FPP historical performance calculation run number from the FPP database) Note that due to the these historical calculations, the version numbers listed here are different to the normal FPP run number version for trading

			interval calculations.
HIST_PERIOD_START_DATETIME	DATE		Historical period start date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the historical period for this historical performance calculation related to the region ID. This is the historical period of trading intervals that feed into the historical performance calculation. This will align to the settlement week.
HIST_PERIOD_END_DATETIME	DATE		Historical period end date and time (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) of the historical period for this historical performance calculation related to the region ID. This is the historical period of trading intervals that feed into the historical performance calculation. This will align to the settlement week.
REG_HIST_RAISE_PERFORMANCE	NUMBER(18,5)		Calculated regulation historical raise performance from the historical performance period (substitute raise performance when live performance is unavailable and default raise performance used for default contribution factor calculation) - please see the NER and FPP procedure documents for further information
REG_HIST_LOWER_PERFORMANCE	NUMBER(18,5)		Calculated regulation historical lower performance from the historical performance period (substitute lower performance when live performance is unavailable and default lower performance used for default contribution factor calculation) - please see the NER and FPP procedure documents for further information
FPP_HIST_RAISE_PERFORMANCE	NUMBER(18,5)		Calculated FPP historical raise performance from the historical performance period (substitute raise performance calculated used for negative contribution factor calculation when live performance is unavailable) - please see the NER and FPP procedure documents for further information
FPP_HIST_LOWER_PERFORMANCE	NUMBER(18,5)		Calculated FPP historical lower performance from the historical performance period (substitute lower performance calculated used for negative contribution factor calculation when live performance is unavailable) - please see the NER and FPP procedure documents for further information

LASTCHANGED	DATE		Last date and time record changed

35.13 Table: FPP_P5_FWD_EST_COST

35.13.1 FPP_P5_FWD_EST_COST

Name	FPP_P5_FWD_EST_COST
Comment	This report delivers the forward estimated unit cost based on P5min runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 5 minute pre-dispatch interval.

35.13.2 Notes

Name	Comment	Value
Visibility		Private

35.13.3 Primary Key Columns

Name

CONSTRAINTID

FPP_UNITID

INTERVAL_DATETIME

RUN_DATETIME

RUNNO

VERSIONNO

35.13.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the 5 minute predispatch case that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis of these

			forward estimates)
RUNNO	NUMBER(5)	X	The 5 minute predispatch case run number that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis for these forward estimates)
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID / TNI)
VERSIONNO	NUMBER(5)	X	The version number of the effective default contribution factor for the unit / constraint combination taken from the FPP_FORECAST_DEFAULT_CF table
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
EST_UNUSED_FCAS	NUMBER(18,8)		Estimated unused recovery FCAS in AUD (the forward financial estimate of the recovery of unused FCAS, assuming that all is unused FCAS). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation. Please note that there may be cases where there is not yet a default contribution factor for the constraint (for example if there is a new constraint binding in p5min that has not yet bound in dispatch). In these scenarios there will be no EST_UNUSED_FCAS row sent for the constraint, as it is currently incalculable until a corresponding default contribution factor is calculated from a dispatch run with this constraint binding.
PARTICIPANTID	VARCHAR2(20)		Participant ID
LASTCHANGED	DATE		Last date and time record changed

35.14 Table: FPP_P5_FWD_EST_RESIDUALRATE

35.14.1 FPP_P5_FWD_EST_RESIDUALRATE

Name	FPP_P5_FWD_EST_RESIDUALRATE
Comment	This report delivers the forward estimated residual cost rate based on P5min runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 5 minute pre-dispatch interval.

35.14.2 Notes

Name	Comment	Value
Visibility		Public

35.14.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME
RUNNO
VERSIONNO

35.14.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	The run date and time of the 5 minute predispatch case that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis of these forward estimates)
RUNNO	NUMBER(5)	X	The 5 minute predispatch case run number that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis for these forward estimates)

INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(5)	X	The version number of the effective default contribution factor for the unit / constraint combination taken from the FPP_FORECAST_DEFAULT_CF table
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
EST_UNUSED_FCAS	NUMBER(18,8)		Estimated unused recovery FCAS in AUD/MWh (the forward financial estimate of the recovery of unused FCAS, assuming that all is unused FCAS). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation. Please note that there may be cases where there is not yet a residual default contribution factor for the constraint (for example if there is a new constraint binding in p5min that has not yet bound in dispatch). In these scenarios there will be no EST_UNUSED_FCAS row sent for the constraint, as this is currently incalculable until a corresponding residual default contribution factor is calculated from a dispatch run with this constraint binding.
LASTCHANGED	DATE		Last date and time record changed

35.15 Table: FPP_PD_FWD_EST_COST

35.15.1 FPP_PD_FWD_EST_COST

Name FPP_PD_FWD_EST_COST

Comment This report delivers the forward estimated unit cost based on PREDISPATCH runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each constraint for each 30 minute pre-dispatch interval.

35.15.2 Notes

Name	Comment	Value
Visibility		Private

35.15.3 Primary Key Columns

Name

CONSTRAINTID

FPP_UNITID

INTERVAL_DATETIME

PREDISPATCHSEQNO

RUN_DATETIME

RUNNO

VERSIONNO

35.15.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Predispatch sequence number for the 30 minute predispatch case that triggers the constraint FCAS processor run
RUN_DATETIME	DATE	X	The run date and time of the 30 minute predispatch case that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis of these forward estimates)
RUNNO	NUMBER(5)	X	The 30 minute predispatch case run number that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis for these forward estimates)
INTERVAL_DATETIME	DATE	X	Date and time of the 30 minute predispatch interval (DD/MM/YYYY HH24:MI:SS) fixed to

			the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID / TNI)
VERSIONNO	NUMBER(5)	X	The version number of the effective default contribution factor for the unit / constraint combination taken from the FPP_FORECAST_DEFAULT_CF table
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
EST_UNUSED_FCAS	NUMBER(18,8)		Estimated unused recovery FCAS in AUD (the forward financial estimate of the recovery of unused FCAS, assuming that all is unused FCAS). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation. Please note that there may be cases where there is not yet a default contribution factor for the constraint (for example if there is a new constraint binding in predispatch that has not yet bound in dispatch). In these scenarios there will be no EST_UNUSED_FCAS row sent for the constraint, as it is currently incalculable until a corresponding default contribution factor is calculated from a dispatch run with this constraint binding.
PARTICIPANTID	VARCHAR2(20)		Participant ID
LASTCHANGED	DATE		Last date and time record changed

35.16 Table: FPP_PD_FWD_EST_RESIDUALRATE

35.16.1 FPP_PD_FWD_EST_RESIDUALRATE

Name FPP_PD_FWD_EST_RESIDUALRATE

Comment This report delivers the forward estimated residual cost rate based on PREDISPATCH runs. These high-level estimates (i.e. assuming that all is unused FCAS) will be provided for each

constraint for each 30 minute pre- dispatch interval.

35.16.2 Notes

Name	Comment	Value
Visibility		Public

35.16.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

PREDISPATCHSEQNO

RUN_DATETIME

RUNNO

VERSIONNO

35.16.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	VARCHAR2(20)	X	Predispatch sequence number for the 30 minute predispatch case that triggers the constraint FCAS processor run
RUN_DATETIME	DATE	X	The run date and time of the 30 minute predispatch case that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis of these forward estimates)
RUNNO	NUMBER(5)	X	The 30 minute predispatch case run number that was the trigger for the constraint FCAS processor execution (as the FCAS requirement data is the basis for these forward estimates)
INTERVAL_DATETIME	DATE	X	Date and time of the 30 minute predispatch interval (DD/MM/YYYY HH24:MI:SS) fixed to

			the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(5)	X	The version number of the effective default contribution factor for the unit / constraint combination taken from the FPP_FORECAST_DEFAULT_CF table
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RELEVANT_REGIONS	VARCHAR2(200)		Relevant regions (a comma separated list of the relevant regions for the constraint from FCAS data)
EST_UNUSED_FCAS	NUMBER(18,8)		Estimated unused recovery FCAS in AUD/MWh (the forward financial estimate of the recovery of unused FCAS, assuming that all is unused FCAS). This value will be either 0 (nil), or a negative value (debit) only. For details on the calculation, please see FPP procedure and supporting documentation. Please note that there may be cases where there is not yet a residual default contribution factor for the constraint (for example if there is a new constraint binding in predispatch that has not yet bound in dispatch). In these scenarios there will be no EST_UNUSED_FCAS row sent for the constraint, as this is currently incalculable until a corresponding residual default contribution factor is calculated from a dispatch run with this constraint binding.
LASTCHANGED	DATE		Last date and time record changed

35.17 Table: FPP_PERFORMANCE

35.17.1 FPP_PERFORMANCE

Name FPP_PERFORMANCE

Comment This report delivers the calculated performance value for each 5 minute trading interval for each FPP unit

35.17.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

35.17.3 Primary Key Columns

Name
FPP_UNITID
INTERVAL_DATETIME
VERSIONNO

35.17.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID/ TNI)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
RAISE_PERFORMANCE	NUMBER(18,5)		Raise performance value in MWHz units (calculated by FPP for that trading interval taken from FPP database)
RAISE_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the raise performance value Supported values are: 0 = Performance is calculated based on good input data 1 = Performance is Null as unit is a Non Primary DUID in the group 2 = Performance against the Primary DUID representing the group 4 = Performance is Null as Input data is bad or unavailable 8 = Performance is Null as FM is unreliable 12 = Performance is Null as Input data is bad or unavailable and FM is unreliable 6 = Performance against the Primary DUID representing the group is Null as Input data is bad or unavailable 10 = Performance against the Primary DUID representing the group is

			Null as FM is unreliable 14 = Performance against the Primary DUID representing the group is Null as Input data is bad or unavailable and FM is unreliable
LOWER_PERFORMANCE	NUMBER(18,5)		Lower performance value in MWHz units (calculated by FPP for that trading interval taken from FPP database)
LOWER_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the lower performance value Supported values are: 0 = Performance is calculated based on good input data 1 = Performance is Null as unit is a Non Primary DUID in the group 2 = Performance against the Primary DUID representing the group 4 = Performance is Null as Input data is bad or unavailable 8 = Performance is Null as FM is unreliable 12 = Performance is Null as Input data is bad or unavailable and FM is unreliable 6 = Performance against the Primary DUID representing the group is Null as Input data is bad or unavailable 10 = Performance against the Primary DUID representing the group is Null as FM is unreliable 14 = Performance against the Primary DUID representing the group is Null as Input data is bad or unavailable and FM is unreliable
PARTICIPANTID	VARCHAR2(20)		Participant ID
LASTCHANGED	DATE		Last date and time record changed

35.18 Table: FPP_RCR

35.18.1 FPP_RCR

Name	FPP_RCR
Comment	This report delivers the calculated RCR for each constraint for each 5 minute trading interval

35.18.2 Notes

Name	Comment	Value
Visibility		Public

35.18.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

VERSIONNO

35.18.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RCR	NUMBER(18,5)		RCR (the calculated requirement for corrective response from FPP database)
RCR_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the requirement for corrective response (RCR) calculation Supported values are: 0 = RCR is calculated based on good input data 1 = RCR is 0 as FM is unreliable 2 = RCR is 0 as the percentage of units with unavailable input or bad data is greater than the threshold percentage
LASTCHANGED	DATE		Last date and time record changed

35.19 Table: FPP_REGION_FREQ_MEASURE

35.19.1 FPP_REGION_FREQ_MEASURE

Name	FPP_REGION_FREQ_MEASURE
Comment	This report delivers the curated 4 second frequency deviation and frequency measure data for each region

35.19.2 Notes

Name	Comment	Value
Visibility		Public

35.19.3 Primary Key Columns

Name

INTERVAL_DATETIME

MEASUREMENT_DATETIME

REGIONID

VERSIONNO

35.19.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
MEASUREMENT_DATETIME	DATE	X	Date and time of the SCADA data (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
REGIONID	VARCHAR2(20)	X	Region ID of the frequency deviation / frequency measure
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)

FREQ_DEVIATION_HZ	NUMBER(18,8)		Frequency Deviation (4 second frequency deviation in Hz for that region)
HZ_QUALITY_FLAG	NUMBER(5)		Frequency Quality (4 second frequency deviation quality for that region) Supported values are: 0 = Bad Quality 1 = Good Quality 2 = Suspect Quality -1 = Value not used as input in the FPP calculation (generally used to indicate when SCADA data was late arriving after the FPP calculation commenced)
FREQ_MEASURE_HZ	NUMBER(18,8)		Calculated 4 second Frequency Measure for that region from FPP database
FM_ALIGNMENT_FLAG	NUMBER(5)		Alignment Flag (4 second frequency deviation is aligned with 4 second frequency measure for that region) Supported values are: 0 = Misaligned 1 = Aligned
LASTCHANGED	DATE		Last date and time record changed

35.20 Table: FPP_RESIDUAL_CF

35.20.1 FPP_RESIDUAL_CF

Name	FPP_RESIDUAL_CF
Comment	This report delivers the calculated residual contribution factor value for each 5 minute trading interval for each constraint

35.20.2 Notes

Name	Comment	Value
Visibility		Public

35.20.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
VERSIONNO

35.20.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
RESIDUAL_CF	NUMBER(18,8)		Residual Contribution Factor (the calculated residual contribution factor for the constraint ID for that trading interval) - for further details please see the FPP procedure document
NEGATIVE_RESIDUAL_CF	NUMBER(18,8)		Negative Residual Contribution Factor (the calculated negative residual contribution factor for the constraint ID for that trading interval) - for further details please see the FPP procedure document
RESIDUAL_DCF	NUMBER(18,8)		The Residual Default Contribution Factor (the calculated residual default contribution factor based on historical performance for the constraint ID for that trading interval) that is effective for this trading interval, which joins back to FPP_FORECAST_RESIDUAL_DCF - for further details please see the FPP procedure document
RESIDUAL_CF_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the residual contribution factor (CF) Supported values are: 0 = CF is calculated based on good input data 8 = CF is 0 because FM is unreliable. 16 = CF is 0 because more than 50 percent input is bad or not available.
CF_ABS_POSITIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute positive performance in MWHz for the combination of constraint / bid type (raise or lower). This is used as the denominator in normalising contribution factors (CF) where a units performance is

			positive. For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable
CF_ABS_NEGATIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute negative performance in MWHz for the combination of constraint / bid type (raise or lower). This is used as the denominator in normalising contribution factors (CF) where a units performance is negative. For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable
NCF_ABS_NEGATIVE_PERF_TOTAL	NUMBER(18,8)		The sum of absolute negative performance in MWHz for the combination of constraint / bid type (raise or lower). This is used as the denominator in normalising negative contribution factors (NCF). For further details please see the FPP procedure document. >0 = Performance was calculated for the units NULL = Performance for the units was unavailable 0 = When NCF is zero (i.e. CF is positive), then this total will be represented as zero
LASTCHANGED	DATE		Last date and time record changed

35.21 Table: FPP_RESIDUAL_PERFORMANCE

35.21.1 FPP_RESIDUAL_PERFORMANCE

Name	FPP_RESIDUAL_PERFORMANCE
Comment	This report delivers the calculated residual performance value for each 5 minute trading interval

35.21.2 Notes

Name	Comment	Value
Visibility		Public

35.21.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

VERSIONNO

35.21.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
REGIONID	VARCHAR2(20)	X	Region ID of the residual performance
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
RAISE_PERFORMANCE	NUMBER(18,5)		Raise performance value in MWHz units (calculated by FPP for that trading interval taken from FPP database)
RAISE_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the raise performance value Supported values are: 0 = Performance is calculated based on good input data 4 = Performance is Null as Input data is bad or unavailable 8 = Performance is Null as FM is unreliable 12 = Performance is Null as Input data is bad or unavailable and FM is unreliable
LOWER_PERFORMANCE	NUMBER(18,5)		Lower performance value in MWHz units (calculated by FPP for that trading interval taken from FPP database)
LOWER_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the lower performance value Supported values are: 0 = Performance is calculated based on good input data 4 = Performance is Null as Input data is bad or unavailable 8 = Performance is Null as FM is unreliable 12 = Performance is Null as Input data is bad or unavailable and FM is unreliable
LASTCHANGED	DATE		Last date and time record changed

35.22 Table: FPP_RUN

35.22.1 FPP_RUN

Name	FPP_RUN
Comment	This report delivers details of the 5-minute FPP calculation engine success failure outcome saved in FPP database

35.22.2 Notes

Name	Comment	Value
Visibility		Public

35.22.3 Primary Key Columns

Name
INTERVAL_DATETIME
VERSIONNO

35.22.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
FPPRUN_DATETIME	DATE		Completion time of the FPP calculation run (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
RUN_STATUS	VARCHAR2(20)		The status of FPP_RUN at the time the data model extract report was run. Typical value is Completed
AUTHORISED_DATETIME	DATE		Date and time of the authorisation of this FPP calculation run (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time) -

			Note may be delayed in cases of ex-post calculation runs
LASTCHANGED	DATE		Last date and time record changed

35.23 Table: FPP_UNIT_MW

35.23.1 FPP_UNIT_MW

Name	FPP_UNIT_MW
Comment	This report delivers the curated 4 second measurement MW data for each FPP unit

35.23.2 Notes

Name	Comment	Value
Visibility		Private & Public Next-Day

35.23.3 Primary Key Columns

Name
FPP_UNITID
INTERVAL_DATETIME
MEASUREMENT_DATETIME
VERSIONNO

35.23.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
MEASUREMENT_DATETIME	DATE	X	Date and time of the SCADA data (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)

FPP_UNITID	VARCHAR2(20)	X	FPP Unit ID (registered DUID/TNI)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
MEASURED_MW	NUMBER(18,8)		Measured MW (4 second SCADA measurement in MW)
MW_QUALITY_FLAG	NUMBER(5)		MW Quality (4 second SCADA measurement Quality) Supported values are: 0 = Bad Quality 1 = Good Quality 2 = Suspect Quality -1 = Value not used as input in the FPP calculation (generally used to indicate when SCADA data was late arriving after the FPP calculation commenced)
SCHEDULED_MW	NUMBER(18,5)		Scheduled MW (reference trajectory value from FPP calculation process)
DEVIATION_MW	NUMBER(18,5)		Unit Deviation (output of the FPP calculation process)
PARTICIPANTID	VARCHAR2(20)		Participant ID
LASTCHANGED	DATE		Last date and time record changed

35.24 Table: FPP_USAGE

35.24.1 FPP_USAGE

Name FPP_USAGE

Comment This report delivers the calculated usage for each constraint for each 5 minute trading interval

35.24.2 Notes

Name	Comment	Value
Visibility		Public

35.24.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

VERSIONNO

35.24.4 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	DATE	X	Date and time of the trading interval (DD/MM/YYYY HH24:MI:SS) fixed to the UTC+10 time zone (NEM time)
CONSTRAINTID	VARCHAR2(20)	X	Constraint ID (binding constraint ID from FCAS data used in FPP calculations)
VERSIONNO	NUMBER(5)	X	Version (FPP run number from the FPP database)
BIDTYPE	VARCHAR2(10)		Bid type (the bid type saved in relation to constraint ID from FCAS data used in FPP calculations)
REGULATION_MW	NUMBER(18,8)		Enabled regulation MW used in the FPP calculation (from FPP database)
USED_MW	NUMBER(18,8)		Maximum used regulation MW value (quantity of regulation FCAS that was calculated to be used in MW)
USAGE_VALUE	NUMBER(18,8)		Usage (calculation of the proportion of regulation FCAS that was calculated to be used)
USAGE_REASON_FLAG	NUMBER(5)		The reason flag showing the decision matrix for the usage calculation Supported values are: 0 = Usage is calculated based on good input data 1 = Usage is 0 as FM is unreliable 2 = Usage is 0 as the percentage of units with unavailable input or bad data is greater than the threshold percentage
LASTCHANGED	DATE		Last date and time record changed

36 Package: SYSTEM_SECURITY_MANAGEMENT

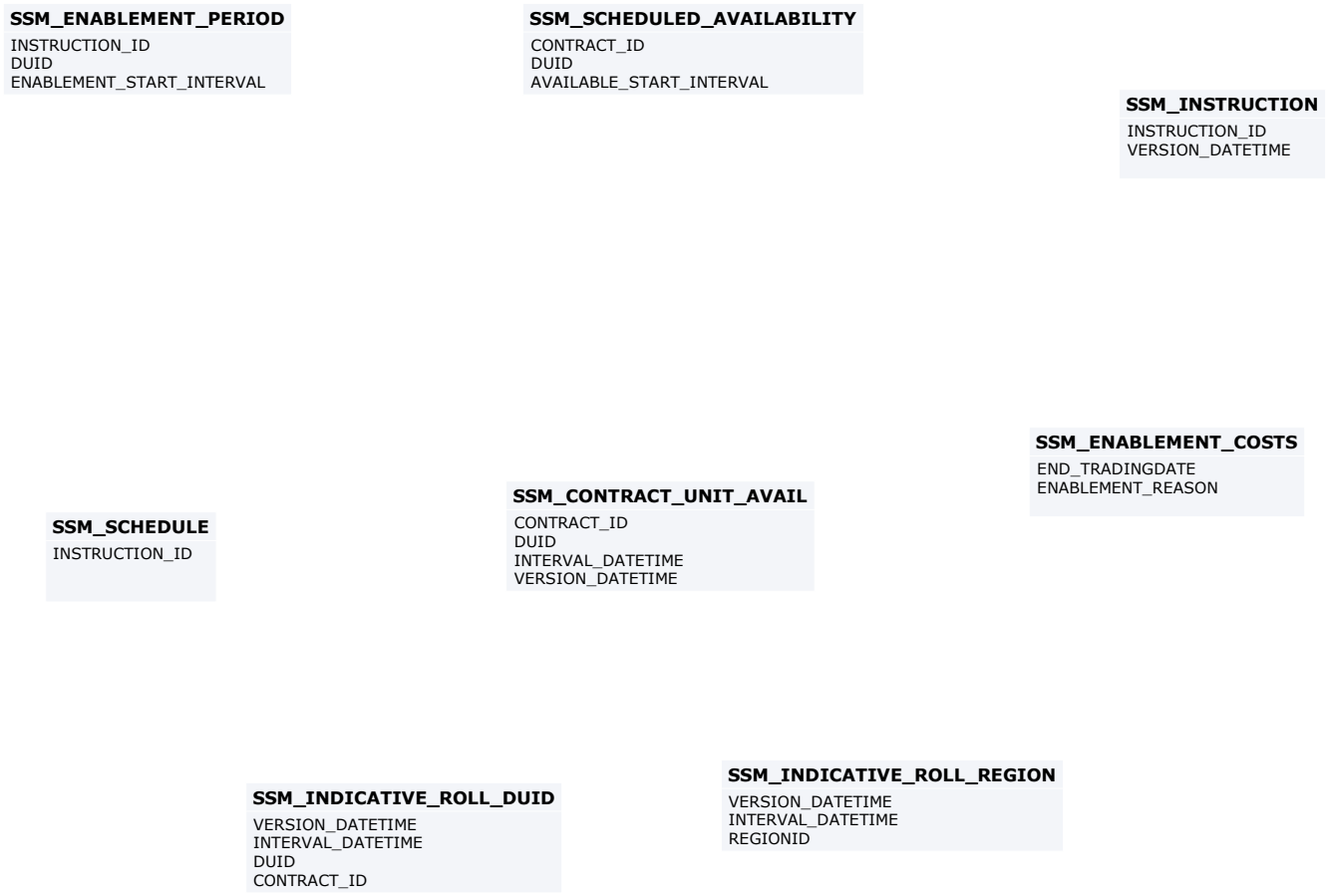
Name SYSTEM_SECURITY_MANAGEMENT

Comment Package for ISF (Improving Security Frameworks) for Electricity Power System Security procurement (not related to IT security)

36.1 List of tables

Name	Comment	Visibility
SSM_CONTRACT_UNIT_AVAIL	The variable parameters associated to the Unit within an SSM Contract, allowing changes to the base contract values due to unit availabilities (e.g Maintenance, Outages).	Private
SSM_ENABLEMENT_COSTS	SSM Contract Enablement Costs for NEM	Public
SSM_ENABLEMENT_PERIOD	SSM Contract Enablement Periods	Public
SSM_INDICATIVE_ROLL_DUID	Indicative rolling DUID schedule provides notice of system security status to service providers/TNSP. The intent is to provide forewarning of possible enablement instruction that may be required	Private
SSM_INDICATIVE_ROLL_REGION	Indicative rolling Region schedule provides notice of system security status to service providers/TNSP. The intent is to provide the security strength status of a region	Public
SSM_INSTRUCTION	An enablement of an SSM Contract that instructs a Dispatchable Unit is to provide a System Security Service.	Private
SSM_SCHEDULE	Scheduled SSM contract enablements.	Private
SSM_SCHEDULED_AVAILABILITY	Scheduled SSM availability	Private

36.2 Diagram: Entities: SSM



36.3 Table: SSM_CONTRACT_UNIT_AVAIL

36.3.1 SSM_CONTRACT_UNIT_AVAIL

Name	SSM_CONTRACT_UNIT_AVAIL
Comment	The variable parameters associated to the Unit within an SSM Contract, allowing changes to the base contract values due to unit availabilities (e.g Maintenance, Outages).

36.3.2 Notes

Name	Comment	Value
Visibility		Private

36.3.3 Primary Key Columns

Name
CONTRACT_ID
DUID
INTERVAL_DATETIME
VERSION_DATETIME

36.3.4 Content

Name	Data Type	Mandatory	Comment
CONTRACT_ID	VARCHAR2(20)	X	Unique Contract Identifier
DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier
INTERVAL_DATETIME	DATE	X	The starting Dispatch Interval for the availability change. This will be the active availability until the next INTERVAL_DATETIME record for this Contract and DUID.
VERSION_DATETIME	DATE	X	Effective Date and Time of this record.
AVAILABLE	NUMBER(1,0)		Indicates if DUID is available for the INTERVAL_DATETIME (1 = True, 0 = False).

UNIT_COUNT	NUMBER(4,0)		Number of sub-units within a DUID that are available for enablement.
ACTIVATION_LEAD_TIME	NUMBER(6,0)		The expected maximum lead time for the system security service to be enabled from a non-operational state in minutes.
MIN_DISPATCH_MW	NUMBER(18,8)		Minimum Dispatch Target required for DUID to enable the contract.
MIN_ENABLEMENT_DURATION	NUMBER(6,0)		Minimum duration a unit must be active to enable the contract in minutes.
LASTCHANGED	DATE		Last time record was changed

36.4 Table: SSM_ENABLEMENT_COSTS

36.4.1 SSM_ENABLEMENT_COSTS

Name SSM_ENABLEMENT_COSTS

Comment SSM Contract Enablement Costs for NEM

36.4.2 Notes

Name	Comment	Value
Visibility		Public

36.4.3 Primary Key Columns

Name

ENABLEMENT_REASON

END_TRADINGDATE

36.4.4 Content

Name	Data Type	Mandatory	Comment
END_TRADINGDATE	DATE	X	Trading Date of the end of the enablement

ENABLEMENT_REASON	VARCHAR2(40)	X	Primary Service type associated.
ESTIMATED_COSTS	NUMBER(18,8)		Cost estimation for the service type.
LASTCHANGED	DATE		Last time record was changed.

36.5 Table: SSM_ENABLEMENT_PERIOD

36.5.1 SSM_ENABLEMENT_PERIOD

Name SSM_ENABLEMENT_PERIOD

Comment SSM Contract Enablement Periods

36.5.2 Notes

Name	Comment	Value
Visibility		Public

36.5.3 Primary Key Columns

Name

DUID

ENABLEMENT_START_INTERVAL

INSTRUCTION_ID

36.5.4 Content

Name	Data Type	Mandatory	Comment
INSTRUCTION_ID	VARCHAR2(20)	X	Unique Instruction Identifier
DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier
ENABLEMENT_START_INTERVAL	DATE	X	The first Dispatch Interval the unit is enabled for SSM Services.
ENABLEMENT_END_INTERVAL	DATE		The last Dispatch Interval the unit is enabled

			for SSM Services.
ENABLEMENT_REASON	VARCHAR2(40)		Reason for the enablement.
LASTCHANGED	DATE		Last time record was changed.

36.6 Table: SSM_INDICATIVE_ROLL_DUID

36.6.1 SSM_INDICATIVE_ROLL_DUID

Name SSM_INDICATIVE_ROLL_DUID

Comment Indicative rolling DUID schedule provides notice of system security status to service providers/TNSP. The intent is to provide forewarning of possible enablement instruction that may be required

36.6.2 Notes

Name	Comment	Value
Visibility		Private

36.6.3 Primary Key Columns

Name

CONTRACT_ID

DUID

INTERVAL_DATETIME

VERSION_DATETIME

36.6.4 Content

Name	Data Type	Mandatory	Comment
VERSION_DATETIME	DATE	X	Version date time
INTERVAL_DATETIME	DATE	X	Interval date time

DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier
CONTRACT_ID	VARCHAR2(20)	X	Unique Contract Identifier used to create enablement.
DUID_PARTICIPANTID	VARCHAR2(20)		Primary recipient (SSM Service Provider) of enablement instruction.
INSTRUCTION_ID	VARCHAR2(20)		Unique Instruction Identifier. Null where not applicable.
DUID_STATUS	VARCHAR2(40)		Scheduled pending, Scheduled approved, Instruction issued, Fulfilment, Available, Offline, Online, Outage
MIN_DISPATCH_MW	NUMBER(18,8)		Minimum Dispatch Target required for DUID to enable the contract.
EQUIPMENT_TYPE	VARCHAR2(40)		Dispatchable Unit resource (for example, GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
LASTCHANGED	DATE		Last changed date

36.7 Table: SSM_INDICATIVE_ROLL_REGION

36.7.1 SSM_INDICATIVE_ROLL_REGION

Name SSM_INDICATIVE_ROLL_REGION

Comment Indicative rolling Region schedule provides notice of system security status to service providers/TNSP. The intent is to provide the security strength status of a region

36.7.2 Notes

Name	Comment	Value
Visibility		Public

36.7.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

VERSION_DATETIME

36.7.4 Content

Name	Data Type	Mandatory	Comment
VERSION_DATETIME	DATE	X	Version date time
INTERVAL_DATETIME	DATE	X	Interval date time
REGIONID	VARCHAR2(20)	X	Region
REGION_STATUS	VARCHAR2(40)		Secure, Resolved, Not Secure
DUID_COUNT_FIRM	NUMBER(4,0)		Sum of firm units enabled for the region with confirmed enablement instruction(s) sent
DUID_COUNT_SPECULATIVE	NUMBER(4,0)		Sum of proposed units enabled for the region where enablement instruction(s) not sent
LASTCHANGED	DATE		Last changed date

36.8 Table: SSM_INSTRUCTION

36.8.1 SSM_INSTRUCTION

Name SSM_INSTRUCTION

Comment An enablement of an SSM Contract that instructs a Dispatchable Unit is to provide a System Security Service.

36.8.2 Notes

Name	Comment	Value
Visibility		Private

36.8.3 Primary Key Columns

Name

INSTRUCTION_ID

VERSION_DATETIME

36.8.4 Content

Name	Data Type	Mandatory	Comment
INSTRUCTION_ID	VARCHAR2(20)	X	Unique Instruction Identifier.
VERSION_DATETIME	DATE	X	Effective Date and Time of this record.
INITIAL_INSTRUCTION_ID	VARCHAR2(20)		Unique transaction identifier of initiating transaction if instruction related to an amendment or cancellation.
DUID_PARTICIPANTID	VARCHAR2(10)		Primary recipient (SSM Service Provider) of enablement instruction.
CONTRACT_ID	VARCHAR2(20)		Unique Contract Identifier used to create enablement.
TNSP_PARTICIPANTID	VARCHAR2(10)		Participant ID of TNSP if contract procurer is TNSP.
DUID	VARCHAR2(20)		Dispatchable Unit Identifier
UNIT_COUNT	NUMBER(4,0)		Number of sub-units within a DUID that are required for enablement. Value of zero means cancellation of instruction.
EQUIPMENT_TYPE	VARCHAR2(40)		Dispatchable Unit resource (for example, GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
SERVICE_TYPE	VARCHAR2(40)		Requested Service to provide(System strength-combination,System strength-coefficient,NSCAS-voltage control,NSCAS,Inertia,Transitional service-type 1 MSL,Transitional service-type 1,Transitional service-type 2).
MIN_DISPATCH_MW	NUMBER(18,8)		Minimum Dispatch Target required for DUID to enable the contract. Value of zero means cancellation of instruction.
START_INTERVAL_DATETIME	DATE		The first Dispatch Interval of the enablement.
END_INTERVAL_DATETIME	DATE		The last Dispatch Interval of the enablement.

LASTCHANGED	DATE		Last time record was changed.

36.9 Table: SSM_SCHEDULE

36.9.1 SSM_SCHEDULE

Name SSM_SCHEDULE

Comment Scheduled SSM contract enablements.

36.9.2 Notes

Name	Comment	Value
Visibility		Private

36.9.3 Primary Key Columns

Name

INSTRUCTION_ID

36.9.4 Content

Name	Data Type	Mandatory	Comment
INSTRUCTION_ID	VARCHAR2(20)	X	Unique Instruction Identifier
CONTRACT_ID	VARCHAR2(20)		Unique Contract Identifier used to create enablement.
DUID_PARTICIPANTID	VARCHAR2(10)		Primary recipient (SSM Service Provider)
TNSP_PARTICIPANTID	VARCHAR2(10)		Participant ID of TNSP if contract procurer is TNSP.
DUID	VARCHAR2(20)		Dispatchable Unit Identifier
UNIT_COUNT	NUMBER(4,0)		Number of sub-units within a DUID that are required for enablement.
EQUIPMENT_TYPE	VARCHAR2(40)		Dispatchable Unit resource (for example,

			GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
SERVICE_TYPE	VARCHAR2(40)		Requested Service to provide(System strength-combination,System strength-coefficient,NSCAS-voltage control,NSCAS,Inertia,Transitional service-type 1 MSL,Transitional service-type 1,Transitional service-type 2).
MIN_DISPATCH_MW	NUMBER(18,8)		Minimum Dispatch Target required for DUID to enable the contract.
START_INTERVAL_DATETIME	DATE		The first Dispatch Interval of the enablement.
END_INTERVAL_DATETIME	DATE		The last Dispatch Interval of the enablement.
LASTCHANGED	DATE		Last time record was changed.

36.10 Table: SSM_SCHEDULED_AVAILABILITY

36.10.1 SSM_SCHEDULED_AVAILABILITY

Name SSM_SCHEDULED_AVAILABILITY

Comment Scheduled SSM availability

36.10.2 Notes

Name	Comment	Value
Visibility		Private

36.10.3 Primary Key Columns

Name

AVAILABLE_START_INTERVAL

CONTRACT_ID

DUID

36.10.4 Content

Name	Data Type	Mandatory	Comment
CONTRACT_ID	VARCHAR2(20)	X	Unique Contract Identifier
DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier
AVAILABLE_START_INTERVAL	DATE	X	The first Dispatch Interval the unit is available.
AVAILABLE_END_INTERVAL	DATE		The last Dispatch Interval the unit is available.
TNSP_PARTICIPANTID	VARCHAR2(10)		TNSP Participant ID
LASTCHANGED	DATE		Last time record was changed.

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ADG_DETAIL	Package 'PARTICIPANT_REGISTRATION'
AGGREGATE_DISPATCH_GROUP	Package 'PARTICIPANT_REGISTRATION'
ANCILLARY_RECOVERY_SPLIT	Package 'SETTLEMENT_CONFIG'
APCCOMP	Package 'HISTORICAL TABLES'
APCCOMPAMOUNT	Package 'HISTORICAL TABLES'
APCCOMPAMOUNTTRK	Package 'HISTORICAL TABLES'
APEVENT	Package 'FORCE_MAJEURE'
APEVENTREGION	Package 'FORCE_MAJEURE'
AREA	Package 'MARKET_CONFIG'
AUCTION	Package 'IRAUCTION'
AUCTION_CALENDAR	Package 'IRAUCTION'
AUCTION_IC_ALLOCATIONS	Package 'IRAUCTION'
AUCTION_REVENUE_ESTIMATE	Package 'IRAUCTION'
AUCTION_REVENUE_TRACK	Package 'IRAUCTION'
AUCTION_RP_ESTIMATE	Package 'IRAUCTION'
AUCTION_TRANCHE	Package 'IRAUCTION'
AVERAGEPRICE30	Package 'TRADING_DATA'
BANK_GUARANTEE	Package 'PRUDENTIALS'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDOFFERPERIOD	Package 'BIDS'

BIDPEROFFER	Package 'HISTORICAL TABLES'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_APC_COMPENSATION	Package 'BILLING_RUN'
BILLING_APC_RECOVERY	Package 'BILLING_RUN'
BILLING_CASHSEC_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_CO2E_PUBLICATION	Package 'BILLING_RUN'
BILLING_CO2E_PUBLICATION_TRK	Package 'BILLING_RUN'
BILLING_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL TABLES'
BILLING_DAILY_ENERGY_SUMMARY	Package 'BILLING_RUN'
BILLING_DIR_FINAL_AMOUNT	Package 'BILLING_RUN'
BILLING_DIR_FINAL_RECOVERY	Package 'BILLING_RUN'
BILLING_DIR_PROV_AMOUNT	Package 'BILLING_RUN'
BILLING_DIR_PROV_RECOVERY	Package 'BILLING_RUN'
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BILLING_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
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BILLING_ENERGY_TRAN_SAPS	Package 'BILLING_RUN'
BILLING_ENERGY_TRANSACTIONS	Package 'BILLING_RUN'
BILLING_FCAS_REG_AMT	Package 'BILLING_RUN'
BILLING_FCAS_REG_RESIDAMT	Package 'BILLING_RUN'
BILLING_FPP	Package 'BILLING_RUN'

BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_IRSR_NSP_ALLOCATION	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'HISTORICAL TABLES'
BILLING_MR_RECOVERY	Package 'HISTORICAL TABLES'
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BILLING_MR_SUMMARY	Package 'HISTORICAL TABLES'
BILLING_NMAS_MANUAL_PAYMENT	Package 'BILLING_RUN'
BILLING_NMAS_MANUAL_RECOVERY	Package 'BILLING_RUN'
BILLING_NMAS_TST_PAYMENTS	Package 'BILLING_RUN'
BILLING_NMAS_TST_RECOVERY	Package 'BILLING_RUN'
BILLING_NMAS_TST_RECVRY_RBF	Package 'BILLING_RUN'
BILLING_NMAS_TST_RECVRY_TRK	Package 'BILLING_RUN'
BILLING_RES_TRADER_PAYMENT	Package 'HISTORICAL TABLES'
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BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
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BILLINGGENDATA	Package 'HISTORICAL TABLES'
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BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
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BILLINGRUNTRK	Package 'BILLING_RUN'
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BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL TABLES'
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BILLRESERVETRADERRECOVERY	Package 'BILLING_RUN'
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CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
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DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
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DISPATCH_FCAS_REQ	Package 'HISTORICAL TABLES'
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INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
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INTERMITTENT_GEN_FCST_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_SCADA	Package 'DEMAND_FORECASTS'
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LOSSMODEL	Package 'MARKET_CONFIG'
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MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
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P5MIN_PRICESENSITIVITIES	Package 'P5MIN'
P5MIN_REGIONSOLUTION	Package 'P5MIN'
P5MIN_ROOFTOP_PV_FCST_TRK	Package 'P5MIN'
P5MIN_SCENARIODEMAND	Package 'P5MIN'
P5MIN_SCENARIODEMANDTRK	Package 'P5MIN'
P5MIN_UNITSOLUTION	Package 'P5MIN'
PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'

PARTICIPANT_BANDFEE_ALLOC	Package 'SETTLEMENT_CONFIG'
PARTICIPANTACCOUNT	Package 'PARTICIPANT_REGISTRATION'
PARTICIPANTCATEGORY	Package 'PARTICIPANT_REGISTRATION'
PARTICIPANTCATEGORYALLOC	Package 'PARTICIPANT_REGISTRATION'
PARTICIPANTCLASS	Package 'PARTICIPANT_REGISTRATION'
PARTICIPANTCREDITDETAIL	Package 'PARTICIPANT_REGISTRATION'
PARTICIPANTNOTICETRK	Package 'MARKET_NOTICE'
PASA_CONTINGENCY_DEFINITION	Package 'GENERIC_CONSTRAINT'
PASA_DUID_SUBSTATION_MAPPING	Package 'PARTICIPANT_REGISTRATION'
PASA_INTERCONNECTOR_BOUNDARY	Package 'PARTICIPANT_REGISTRATION'
PASA_INTERCONNECTOR_MAPPING	Package 'PARTICIPANT_REGISTRATION'
PASA_INTERZONAL_BOUNDARY	Package 'PARTICIPANT_REGISTRATION'
PASA_INTERZONAL_MAPPING	Package 'PARTICIPANT_REGISTRATION'
PASA_SUBSTATION_ZONE_MAPPING	Package 'PARTICIPANT_REGISTRATION'
PASA_ZONE_REGION_MAPPING	Package 'PARTICIPANT_REGISTRATION'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PD7DAY_CASESOLUTION	Package 'PD7DAY'
PD7DAY_CONSTRAINTSOLUTION	Package 'PD7DAY'
PD7DAY_INTERCONNECTORSOLUTION	Package 'PD7DAY'
PD7DAY_MARKET_SUMMARY	Package 'PD7DAY'
PD7DAY_PRICESOLUTION	Package 'PD7DAY'
PD_FCAS_REQ_CONSTRAINT	Package 'PRE_DISPATCH'
PD_FCAS_REQ_RUN	Package 'PRE_DISPATCH'
PD_INTERMITTENT_FCST_TRK	Package 'PRE_DISPATCH'

PD_ROOFTOP_PV_FCST_TRK	Package 'PRE_DISPATCH'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_CONSTRAINTSOLUTION	Package 'PDPASA'
PDPASA_DUIDAVAILABILITY	Package 'PDPASA'
PDPASA_FNM_CASESOLUTION	Package 'PDPASA'
PDPASA_FNM_CONSTRAINTSOLUTION	Package 'PDPASA'
PDPASA_FNM_DUIDAVAILABILITY	Package 'PDPASA'
PDPASA_FNM_INTERCONNECTORSOLN	Package 'PDPASA'
PDPASA_FNM_INTERZONALSOLUTION	Package 'PDPASA'
PDPASA_FNM_REGIONSOLUTION	Package 'PDPASA'
PDPASA_FNM_REGIONSUMMARY	Package 'PDPASA'
PDPASA_FNM_ZONESOLUTION	Package 'PDPASA'
PDPASA_FNM_ZONESUMMARY	Package 'PDPASA'
PDPASA_INTERCONNECTORSOLN	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PMS_GROUP	Package 'PARTICIPANT_REGISTRATION'
PMS_GROUPNMI	Package 'PARTICIPANT_REGISTRATION'
PMS_GROUPSERVICE	Package 'PARTICIPANT_REGISTRATION'
PREDISPATCH_FCAS_REQ	Package 'HISTORICAL TABLES'
PREDISPATCH_LOCAL_PRICE	Package 'PRE_DISPATCH'
PREDISPATCH_MNSPBIDTRK	Package 'PRE_DISPATCH'
PREDISPATCHBIDTRK	Package 'HISTORICAL TABLES'
PREDISPATCHBLOCKEDCONSTRAINT	Package 'PRE_DISPATCH'
PREDISPATCHCASESOLUTION	Package 'PRE_DISPATCH'

PREDISPATCHCONSTRAINT	Package 'PRE_DISPATCH'
PREDISPATCHINTERCONNECTORRES	Package 'PRE_DISPATCH'
PREDISPATCHINTERSENSITIVITIES	Package 'PRE_DISPATCH'
PREDISPATCHLOAD	Package 'PRE_DISPATCH'
PREDISPATCHOFFERTRK	Package 'PRE_DISPATCH'
PREDISPATCHPRICE	Package 'PRE_DISPATCH'
PREDISPATCHPRICESENSITIVITIES	Package 'PRE_DISPATCH'
PREDISPATCHREGIONSUM	Package 'PRE_DISPATCH'
PREDISPATCHSCENARIODEMAND	Package 'PRE_DISPATCH'
PREDISPATCHSCENARIODEMANDTRK	Package 'PRE_DISPATCH'
PRUDENTIALCOMPANYPOSITION	Package 'PRUDENTIALS'
PRUDENTIALRUNTRK	Package 'PRUDENTIALS'
REALLOCATION	Package 'SETTLEMENT_CONFIG'
REALLOCATIONDETAILS	Package 'HISTORICAL TABLES'
REALLOCATIONINTERVAL	Package 'SETTLEMENT_CONFIG'
REALLOCATIONINTERVALS	Package 'HISTORICAL TABLES'
REALLOCATIONS	Package 'HISTORICAL TABLES'
REGION	Package 'MARKET_CONFIG'
REGION_AREA	Package 'MARKET_CONFIG'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'HISTORICAL TABLES'
RESIDUE_BID_TRK	Package 'IRAUCTION'
RESIDUE_CON_DATA	Package 'IRAUCTION'

RESIDUE_CON_ESTIMATES_TRK	Package 'IRAUCTION'
RESIDUE_CON_FUNDS	Package 'IRAUCTION'
RESIDUE_CONTRACTS	Package 'IRAUCTION'
RESIDUE_FUNDS_BID	Package 'IRAUCTION'
RESIDUE_PRICE_BID	Package 'IRAUCTION'
RESIDUE_PRICE_FUNDS_BID	Package 'IRAUCTION'
RESIDUE_PUBLIC_DATA	Package 'IRAUCTION'
RESIDUE_TRK	Package 'IRAUCTION'
RESIDUECONTRACTPAYMENTS	Package 'IRAUCTION'
RESIDUEFILETRK	Package 'IRAUCTION'
ROOFTOP_PV_ACTUAL	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_ACTUAL_PRED	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_ACTUAL_RUN	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_FCST_P5_PRED	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_FCST_P5_RUN	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_FCST_PRED	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_FCST_RUN	Package 'DEMAND_FORECASTS'
ROOFTOP_PV_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_ APC_COMPENSATION	Package 'SETTLEMENT_DATA'
SET_ APC_RECOVERY	Package 'SETTLEMENT_DATA'
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SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL TABLES'

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SET_ENERGY_REGION_SUMMARY	Package 'SETTLEMENT_DATA'
SET_ENERGY_TRAN_SAPS	Package 'SETTLEMENT_DATA'
SET_ENERGY_TRANSACTIONS	Package 'SETTLEMENT_DATA'
SET_FCAS_CLAWBACK_REQ	Package 'SETTLEMENT_DATA'
SET_FCAS_CLAWBACK_RUN_TRK	Package 'SETTLEMENT_DATA'
SET_FCAS_CLAWBACK_UNITSOLN	Package 'SETTLEMENT_DATA'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REG_AMOUNT	Package 'SETTLEMENT_DATA'
SET_FCAS_REG_DEF_AMT	Package 'SETTLEMENT_DATA'
SET_FCAS_REG_DEF_RESIDAMT	Package 'SETTLEMENT_DATA'
SET_FCAS_REG_RESIDAMT	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
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SET_IRSR_DIRECTIONAL_LINK	Package 'SETTLEMENT_DATA'
SET_IRSR_LOOP_NETTRADE_AMOUNT	Package 'SETTLEMENT_DATA'
SET_IRSR_LOOP_NSP_ALLOCATION	Package 'SETTLEMENT_DATA'
SET_IRSR_LOOP_REGION_SUMMARY	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'HISTORICAL TABLES'
SET_MR_RECOVERY	Package 'HISTORICAL TABLES'
SET_NMAS_MANUAL_PAYMENT	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RECOVERY_ENERGY	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'HISTORICAL TABLES'
SET_SUBST_RUN_VERSION	Package 'SETTLEMENT_DATA'

SET_SUBSTITUTE_DEMAND	Package 'SETTLEMENT_DATA'
SET_WDR_RECON_DETAIL	Package 'SETTLEMENT_DATA'
SET_WDR_TRANSACT	Package 'SETTLEMENT_DATA'
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SETAGCRECOVERY	Package 'HISTORICAL TABLES'
SETAPCCOMPENSATION	Package 'HISTORICAL TABLES'
SETAPCRECOVERY	Package 'HISTORICAL TABLES'
SETCFG_PARTICIPANT_MPF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCFG_SAPS_SETT_PRICE	Package 'SETTLEMENT_CONFIG'
SETCFG_WDR_REIMBURSE_RATE	Package 'SETTLEMENT_CONFIG'
SETCFG_WDRRR_CALENDAR	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'HISTORICAL TABLES'
SETCPDATAREGION	Package 'HISTORICAL TABLES'
SETFCASCOMP	Package 'HISTORICAL TABLES'
SETFCASRECOVERY	Package 'HISTORICAL TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'HISTORICAL TABLES'
SETGENDATAREGION	Package 'HISTORICAL TABLES'
SETGOVPAYMENT	Package 'HISTORICAL TABLES'
SETGOVRECOVERY	Package 'HISTORICAL TABLES'
SETINTERVENTION	Package 'HISTORICAL TABLES'
SETINTERVENTIONRECOVERY	Package 'HISTORICAL TABLES'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'HISTORICAL TABLES'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'

SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLOCALAREAENERGY	Package 'SETTLEMENT_DATA'
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SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
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SETLULOADRECOVERY	Package 'HISTORICAL TABLES'
SETLUNLOADPAYMENT	Package 'HISTORICAL TABLES'
SETLUNLOADRECOVERY	Package 'HISTORICAL TABLES'
SETMARKETFEES	Package 'SETTLEMENT_DATA'
SETREALLOCATIONS	Package 'SETTLEMENT_DATA'
SETRESERVERECOVERY	Package 'SETTLEMENT_DATA'
SETRESERVETRADER	Package 'HISTORICAL TABLES'
SETRESTARTPAYMENT	Package 'SETTLEMENT_DATA'
SETRESTARTRECOVERY	Package 'SETTLEMENT_DATA'
SETRPOWERPAYMENT	Package 'SETTLEMENT_DATA'
SETRPOWERRECOVERY	Package 'SETTLEMENT_DATA'
SETSMALLGENDATA	Package 'HISTORICAL TABLES'
SETVICBOUNDARYENERGY	Package 'HISTORICAL TABLES'
SETVICENERGYFIGURES	Package 'HISTORICAL TABLES'
SETVICENERGYFLOW	Package 'HISTORICAL TABLES'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SRA_CASH_SECURITY	Package 'IRAUCTION'
SRA_FINANCIAL_AUC_MARDETAIL	Package 'IRAUCTION'

SRA_FINANCIAL_AUC_MARGIN	Package 'IRAUCTION'
SRA_FINANCIAL_AUC_RECEIPTS	Package 'IRAUCTION'
SRA_FINANCIAL_AUCPAY_DETAIL	Package 'IRAUCTION'
SRA_FINANCIAL_AUCPAY_SUM	Package 'IRAUCTION'
SRA_FINANCIAL_RUNTRK	Package 'IRAUCTION'
SRA_OFFER_PRODUCT	Package 'IRAUCTION'
SRA_OFFER_PROFILE	Package 'IRAUCTION'
SRA_PRUDENTIAL_CASH_SECURITY	Package 'IRAUCTION'
SRA_PRUDENTIAL_COMP_POSITION	Package 'IRAUCTION'
SRA_PRUDENTIAL_EXPOSURE	Package 'IRAUCTION'
SRA_PRUDENTIAL_RUN	Package 'IRAUCTION'
SSM_CONTRACT_UNIT_AVAIL	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_ENABLEMENT_COSTS	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_ENABLEMENT_PERIOD	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_INDICATIVE_ROLL_DUID	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_INDICATIVE_ROLL_REGION	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_INSTRUCTION	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_SCHEDULE	Package 'SYSTEM_SECURITY_MANAGEMENT'
SSM_SCHEDULED_AVAILABILITY	Package 'SYSTEM_SECURITY_MANAGEMENT'
STADUALLOC	Package 'PARTICIPANT_REGISTRATION'
STATION	Package 'PARTICIPANT_REGISTRATION'
STATIONOPERATINGSTATUS	Package 'PARTICIPANT_REGISTRATION'
STATIONOWNER	Package 'PARTICIPANT_REGISTRATION'
STATIONOWNERTRK	Package 'PARTICIPANT_REGISTRATION'
STPASA_CASESOLUTION	Package 'STPASA_SOLUTION'
STPASA_CONSTRAINTSOLUTION	Package 'STPASA_SOLUTION'
STPASA_DUIDAVAILABILITY	Package 'STPASA_SOLUTION'

STPASA_FNM_CASESOLUTION	Package 'STPASA_SOLUTION'
STPASA_FNM_CONSTRAINTSOLUTION	Package 'STPASA_SOLUTION'
STPASA_FNM_DUIDAVAILABILITY	Package 'STPASA_SOLUTION'
STPASA_FNM_INTERCONNECTORSOLN	Package 'STPASA_SOLUTION'
STPASA_FNM_INTERZONALSOLUTION	Package 'STPASA_SOLUTION'
STPASA_FNM_REGIONSOLUTION	Package 'STPASA_SOLUTION'
STPASA_FNM_REGIONSUMMARY	Package 'STPASA_SOLUTION'
STPASA_FNM_ZONESOLUTION	Package 'STPASA_SOLUTION'
STPASA_FNM_ZONESUMMARY	Package 'STPASA_SOLUTION'
STPASA_INTERCONNECTORSOLN	Package 'STPASA_SOLUTION'
STPASA_REGIONSOLUTION	Package 'STPASA_SOLUTION'
STPASA_SYSTEMSOLUTION	Package 'HISTORICAL TABLES'
STPASA_UNITSOLUTION	Package 'HISTORICAL TABLES'
TRADINGINTERCONNECT	Package 'TRADING_DATA'
TRADINGLOAD	Package 'HISTORICAL TABLES'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'HISTORICAL TABLES'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'