



# MMS DATA MODEL

MMS Data Model v4.28 MSSQLServer

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## 1 List of packages

Name	Code	Use Parent Namespace
ANCILLARY_SERVICES	ANCILLARY_SERVICES	X
CONFIGURATION	CONFIGURATION	X
ANCILLIARY_SERVICES	ANCILLIARY_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
MCC_DISPATCH	MCC_DISPATCH	X
MREVENT	MREVENT	X
MTPASA	MTPASA	X
P5MIN	P5MIN	X
NETWORK	NETWORK	X
PARTICIPANT_REGISTRATION	PARTICIPANT_REGISTRATION	X
PRE_DISPATCH	PRE_DISPATCH	X
RESERVE_DATA	RESERVE_DATA	X
SETTLEMENT_CONFIG	SETTLEMENT_CONFIG	X
PRUDENTIALS	PRUDENTIALS	X
SETTLEMENT_DATA	SETTLEMENT_DATA	X
STPASA_SOLUTION	STPASA_SOLUTION	X
TRADING_DATA	TRADING_DATA	X
HISTORICAL_TABLES	HISTORICAL_TABLES	X
PDPASA	PDPASA	X
VOLTAGE_INSTRUCTIONS	VOLTAGE_INSTRUCTIONS	X

## 2 Description of model MMS Data Model v4.28 MSSQLServer

### 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 Current product supplied by AEMO for data transfer is Participant Data Replication (PDR), with some support for the superseded Parser.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).

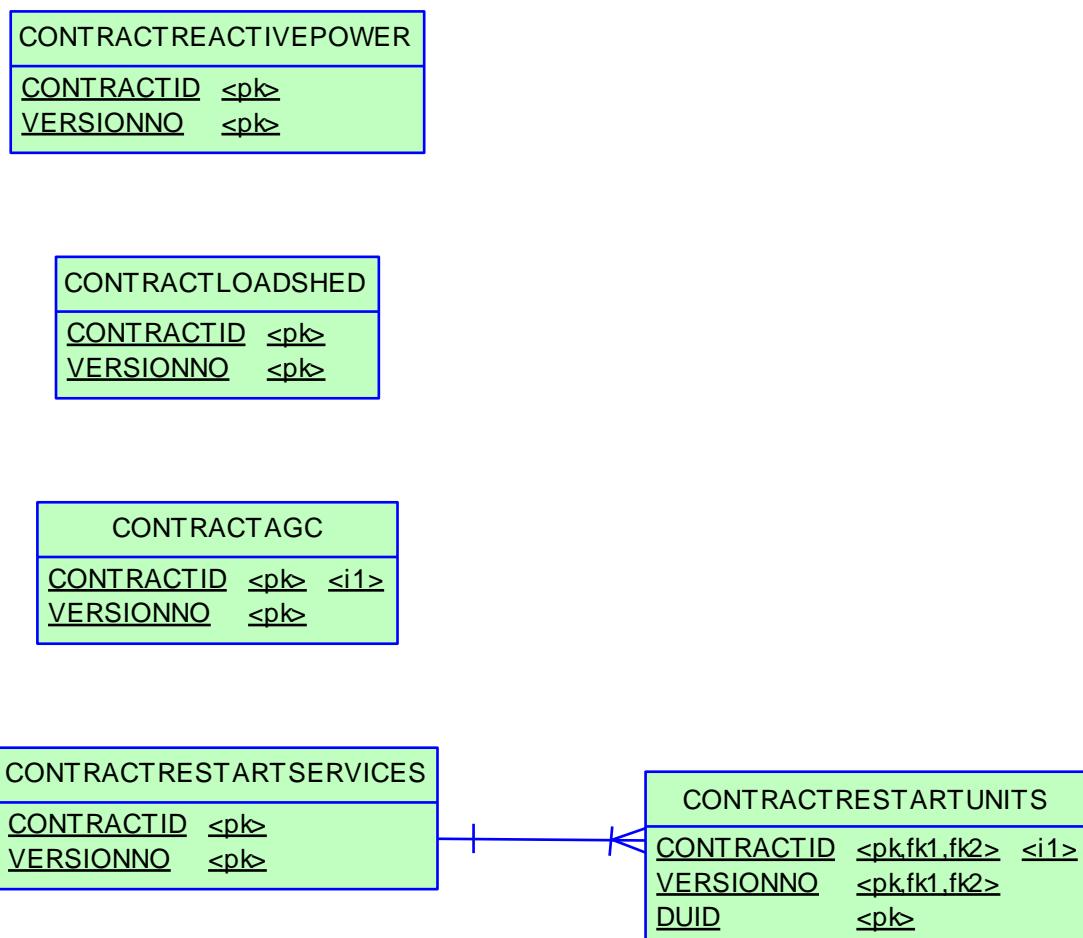
## 4 Package: ANCILLARY\_SERVICES

Name	ANCILLARY_SERVICES
Comment	Ancillary Service Contract Data

### 4.1 List of tables

Name	Comment
CONTRACTAGC	CONTRACTAGC shows Automatic Generation Control (AGC) contract details for each dispatchable unit. There is a separate contract for each unit.
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.
CONTRACTREACTIVEPOWER	CONTRACTREACTIVEPOWER shows Reactive Power contract details used in the settlement and dispatch of this service.
CONTRACTRESTARTSERVICES	CONTRACTRESTARTSERVICES shows Restart Services contract details used in the settlement and dispatch of this service.
CONTRACTRESTARTUNITS	CONTRACTRESTARTUNITS shows Restart units provided under a system restart contract. A service can have multiple units.

### 4.2 Diagram: Entities: Ancillary Services



## 4.3 Table: CONTRACTAGC

### 4.3.1 CONTRACTAGC

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

### 4.3.2 Description

CONTRACTAGC data is confidential to the relevant participant.

#### Source

CONTRACTAGC updates only where there is a contract variation.

### 4.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 4.3.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 4.3.5 Index Columns

Name
LASTCHANGED

### 4.3.6 Index Columns

Name
PARTICIPANTID
CONTRACTID

### 4.3.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version No
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		End date of contract
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
CRR	numeric(4,0)		Control Range Raise 5 Min MW
CRL	numeric(4,0)		Control Range Lower 5 Min MW
RLPRICE	numeric(10,2)		Enabling Price in \$
CCPRICE	numeric(10,2)		Compensation Cap in \$
BS	numeric(10,2)		Block Size
AUTHORISEDBY	varchar(15)		User Name

AUTHORISEDDATE	datetime		Date Contract was Authorised
LASTCHANGED	datetime		Last date and time record changed

## 4.4 Table: CONTRACTLOADSHED

### 4.4.1 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.

### 4.4.2 Description

CONTRACTLOADSHED data is confidential to the relevant participant.

#### Source

CONTRACTLOADSHED updates only where there is a contract variation.

### 4.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 4.4.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 4.4.5 Index Columns

Name
LASTCHANGED

### 4.4.6 Index Columns

Name
PARTICIPANTID

### 4.4.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version No.
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Termination Date of Contract
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
LSEPRICE	numeric(6,2)		The load shed enabling price for this contract
MCPPRICE	numeric(12,2)		Minimum Compensation price
TENDEREDPRICE	numeric(6,2)		Price Tendered for Compensation per Trading interval - Not used since 13/12/1998

LSCR	numeric(6,2)		Load Shed Control Range
ILSCALINGFACTOR	numeric(15,5)		SPD scaling factor for load shed vs dispatched, (1 = dispatched)
LOWER60SECBREAKPOINT	numeric(9,6)		Not used
LOWER60SECMAX	numeric(9,6)		Not used
LOWER6SECBREAKPOINT	numeric(9,6)		Not used
LOWER6SECMAX	numeric(9,6)		Not used
RAISE60SECBREAKPOINT	numeric(9,6)		Not used
RAISE60SECCAPACITY	numeric(9,6)		Not used
RAISE60SECMAX	numeric(9,6)		Maximum 60 second raise
RAISE6SECBREAKPOINT	numeric(9,6)		Not used
RAISE6SECCAPACITY	numeric(9,6)		Not used
RAISE6SECMAX	numeric(9,6)		Limit Equation Raise 6 Second Maximum MW
PRICE6SECRAISEMANDATORY	numeric(16,6)		Not used
QUANT6SECRAISEMANDATORY	numeric(9,6)		Not used
PRICE6SECRAISECONTRACT	numeric(16,6)		Contract Price for 6 Second Raise
QUANT6SECRAISECONTRACT	numeric(9,6)		Contract Quantity for 6 Second Raise
PRICE60SECRAISEMANDATORY	numeric(16,6)		Not used
QUANT60SECRAISEMANDATORY	numeric(9,6)		Not used
PRICE60SECRAISECOTRACT	numeric(16,6)		Not used
QUANT60SECRAISECOTRACT	numeric(9,6)		Not used
PRICE6SECLOWERMANDATORY	numeric(16,6)		Not used
QUANT6SECLOWERMANDATORY	numeric(9,6)		Not used
PRICE6SECLOWERCOTRACT	numeric(16,6)		Not used
QUANT6SECLOWERCOTRACT	numeric(9,6)		Not used
PRICE60SECLOWERMANDATORY	numeric(16,6)		Not used
QUANT60SECLOWERMANDATORY	numeric(9,6)		Not used
PRICE60SECLOWERCOONTRACT	numeric(16,6)		Not used
QUANT60SECLOWERCOONTRACT	numeric(9,6)		Not used
AUTHORISEDBY	varchar(15)		User Name
AUTHORISEDDATE	datetime		Date Contract was Authorised
LASTCHANGED	datetime		Last date and time record changed
DEFAULT_TESTINGPAYMENT_AMOUNT	numeric(18,8)		The NMAS default payment amount
SERVICE_START_DATE	datetime		The NMAS Testing Service Start Date

## 4.5 Table: CONTRACTREACTIVEPOWER

### 4.5.1 CONTRACTREACTIVEPOWER

Name	CONTRACTREACTIVEPOWER
Comment	CONTRACTREACTIVEPOWER shows Reactive Power contract details used in the settlement and dispatch of this service.

### 4.5.2 Description

CONTRACTREACTIVEPOWER data is confidential to the relevant participant.

#### Source

CONTRACTREACTIVEPOWER updates only where there is a contract variation.

### 4.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 4.5.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 4.5.5 Index Columns

Name
PARTICIPANTID

### 4.5.6 Index Columns

Name
LASTCHANGED

### 4.5.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version No.
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Termination Date of Contract
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
SYNCCOMPENSATION	varchar(1)		Sync Compensation Flag - Y for SYNCOMP
MVARAPRICE	numeric(10,2)		Availability price per MVar of RP absorption capability
MVAREPRICE	numeric(10,2)		Enabling price
MVARGPRICE	numeric(10,2)		Availability price per MVar of RP generation capability

CCPRICE	numeric(10,2)		Compensation Cap
MTA	numeric(10,2)		Reactive Power Absorption Capability (MVAr)
MTG	numeric(10,2)		Reactive Power Generation Capability (MVAr)
MMCA	numeric(10,2)		Minimum Capability for MVAr Absorption required by Code
MMCG	numeric(10,2)		Minimum Capability for MVAr Generation required by Code
EU	numeric(10,2)		Estimated Power consumption of unit when operating on SYNC COMP
PP	numeric(10,2)		Estimated Price for supply
BS	numeric(10,2)		Block Size of Unit
AUTHORISED_BY	varchar(15)		User Name
AUTHORISED_DATE	datetime		Date Contract was Authorised
LAST_CHANGED	datetime		Last date and time record changed
DEFAULT_TESTINGPAYMENT_AMOUNT	numeric(18,8)		The NMAS default payment amount
SERVICE_START_DATE	datetime		The NMAS Testing Service Start Date
AVAILABILITY_MWH_THRESHOLD	numeric(18,8)		The MWh the unit must produce in a trading interval to be eligible for an excess-to-gen availability payment
MVAR_THRESHOLD	numeric(18,8)		The threshold value for MegaVar (MVAr) to check whether the service is fully available.
REBATE_CAP	numeric(18,8)		The maximum capped amount for the rebate payment.
REBATE_AMOUNT_PER_MVAR	numeric(18,8)		The per MVAR rebate amount used to calculate the rebate payment.
ISREBATEAPPLICABLE	numeric(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.

## 4.6 Table: CONTRACTRESTARTSERVICES

### 4.6.1 CONTRACTRESTARTSERVICES

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

### 4.6.2 Description

CONTRACTRESTARTSERVICES data is confidential to the participant holding the contract.

#### Source

CONTRACTRESTARTSERVICES updates only where there is a contract variation.

### 4.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 4.6.4 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 4.6.5 Index Columns

Name
PARTICIPANTID

### 4.6.6 Index Columns

Name
LASTCHANGED

### 4.6.7 Content

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

YMENT_AMOUNT			
SERVICE_START_DATE	datetime		The NMAS Testing Service Start Date

## 4.7 Table: CONTRACTRESTARTUNITS

### 4.7.1 CONTRACTRESTARTUNITS

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

### 4.7.2 Description

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

#### Source

CONTRACTRESTARTUNITS updates only where there is a contract variation.

### 4.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 4.7.4 Primary Key Columns

Name
CONTRACTID
DUID
VERSIONNO

### 4.7.5 Index Columns

Name
LASTCHANGED

### 4.7.6 Index Columns

Name
CONTRACTID

### 4.7.7 Content

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

## 5 Package: CONFIGURATION

Name	CONFIGURATION
Comment	MMS Data Model Configuration Management and Control

### 5.1 List of tables

Name	Comment
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.

### 5.2 Diagram: Entities: Configuration

MMS_DATA_MODEL_AUDIT		
<u>INSTALLATION_DATE</u>	<u>datetime</u>	<u>&lt;pk&gt;</u>
<u>MMSDM_VERSION</u>	<u>varchar(20)</u>	<u>&lt;pk&gt;</u>
<u>INSTALL_TYPE</u>	<u>varchar(10)</u>	<u>&lt;pk&gt;</u>
SCRIPT_VERSION	varchar(20)	
NEM_CHANGE_NOTICE	varchar(20)	
PROJECT_TITLE	varchar(200)	
USERNAME	varchar(40)	
STATUS	varchar(10)	

## 5.3 Table: MMS\_DATA\_MODEL\_AUDIT

### 5.3.1 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.

### 5.3.2 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

### 5.3.3 Primary Key Columns

Name
INSTALL_TYPE
INSTALLATION_DATE
MMSDM_VERSION

### 5.3.4 Content

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

## 6 Package: ANCILLIARY\_SERVICES

Name	ANCILLIARY_SERVICES
Comment	Ancillary Service Contract Data

### 6.1 Diagram: Entities: Ancillary Services

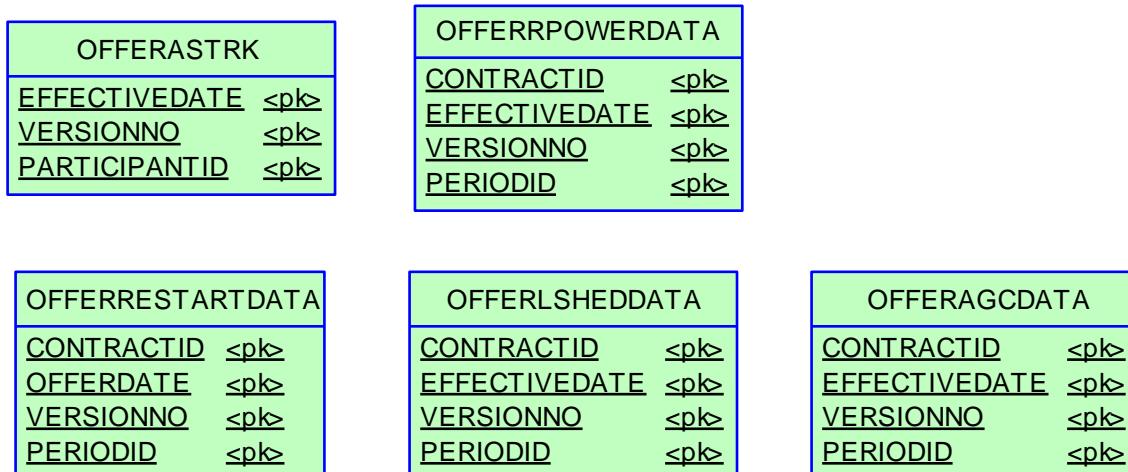
## 7 Package: ASOFFER

Name	ASOFFER
Comment	Offer data for Ancillary Service Contracts

### 7.1 List of tables

Name	Comment
OFFERAGCDATA	OFFERAGCDATA shows availability reoffers of Automatic Generation Control.
OFFERASTRK	OFFERASTRK tracks successfully acknowledged ancillary service reoffers.
OFFERLSHEDDATA	OFFERLSHEDDATA shows reoffers of load shed including available load shed quantity.
OFFERRESTARTDATA	OFFERRESTARTDATA sets out reoffers of system restart availability.
OFFERRPOWERDATA	OFFERRPOWERDATA shows reoffers of reactive power capability and settlement measurements.

### 7.2 Diagram: Entities: Ancillary Service Contracts



## 7.3 Table: OFFERAGCDATA

### 7.3.1 OFFERAGCDATA

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

### 7.3.2 Description

OFFERAGCDATA data is confidential to the relevant participant.

#### Source

OFFERAGCDATA updates as reoffers submitted.

### 7.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 7.3.4 Primary Key Columns

Name  
 CONTRACTID  
 EFFECTIVEDATE  
 PERIODID  
 VERSIONNO

### 7.3.5 Index Columns

Name  
 LASTCHANGED

### 7.3.6 Index Columns

Name  
 CONTRACTID

### 7.3.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
EFFECTIVEDATE	datetime	X	Market date of offer
VERSIONNO	numeric(3,0)	X	Version no of record
AVAILABILITY	numeric(4,0)		Availability flag (0 or 1)
UPPERLIMIT	numeric(4,0)		Upper control limit. This is used by SPD.
LOWERLIMIT	numeric(4,0)		Lower control limit MW. This is used by SPD.
AUTHORISEDDATE	datetime		Authorised date
AUTHORISEDBY	varchar(15)		Authorised by
FILENAME	varchar(40)		Name of reoffer file

LASTCHANGED	datetime		Last date and time record changed
PERIODID	numeric(3,0)	X	Market day trading interval number
AGCUP	numeric(3,0)		AGC Ramp Rate Up. This is used by SPD.
AGCDOWN	numeric(3,0)		AGC Ramp Rate Down. This is used by SPD.

## 7.4 Table: OFFERASTRK

### 7.4.1 OFFERASTRK

Name	OFFERASTRK
Comment	OFFERASTRK tracks successfully acknowledged ancillary service reoffers.

### 7.4.2 Description

OFFERASTRK data is confidential to the relevant participant.

#### Source

OFFERASTRK is updated as offers are successfully acknowledged.

### 7.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 7.4.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PARTICIPANTID  
 VERSIONNO

### 7.4.5 Index Columns

Name  
 LASTCHANGED

### 7.4.6 Content

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

## 7.5 Table: OFFERLSHEDDATA

### 7.5.1 OFFERLSHEDDATA

Name	OFFERLSHEDDATA
Comment	OFFERLSHEDDATA shows reoffers of load shed including available load shed quantity.

### 7.5.2 Description

OFFERLSHEDDATA data is confidential to the relevant participant.

#### Source

OFFERLSHEDDATA updates as reoffers process.

### 7.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 7.5.4 Primary Key Columns

Name  
 CONTRACTID  
 EFFECTIVEDATE  
 PERIODID  
 VERSIONNO

### 7.5.5 Index Columns

Name  
 LASTCHANGED

### 7.5.6 Content

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

## 7.6 Table: OFFERRESTARTDATA

### 7.6.1 OFFERRESTARTDATA

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

### 7.6.2 Description

OFFERRESTARTDATA data is confidential to the relevant participant.

#### Source

OFFERRESTARTDATA updates as reoffers process.

### 7.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 7.6.4 Primary Key Columns

Name  
 CONTRACTID  
 OFFERDATE  
 PERIODID  
 VERSIONNO

### 7.6.5 Index Columns

Name  
 LASTCHANGED

### 7.6.6 Content

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

## 7.7 Table: OFFERRPOWERDATA

### 7.7.1 OFFERRPOWERDATA

Name	OFFERRPOWERDATA
Comment	OFFERRPOWERDATA shows reoffers of reactive power capability and settlement measurements.

### 7.7.2 Description

OFFERRPOWERDATA data is confidential to the relevant participant.

#### Source

OFFERRPOWERDATA updates as reoffers process.

### 7.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 7.7.4 Primary Key Columns

Name  
 CONTRACTID  
 EFFECTIVEDATE  
 PERIODID  
 VERSIONNO

### 7.7.5 Index Columns

Name  
 LASTCHANGED

### 7.7.6 Index Columns

Name  
 CONTRACTID

### 7.7.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Version No.
EFFECTIVEDATE	datetime	X	Contract Version No.
VERSIONNO	numeric(3,0)	X	Version No. of Re-Offer
PERIODID	numeric(3,0)	X	Market trading interval
AVAILABILITY	numeric(3,0)		Availability of service
MTA	numeric(6,0)		Reactive Power Absorption Capability (MVar)
MTG	numeric(6,0)		Reactive Power Generation Capability (MVar)

AUTHORISEDDATE	datetime		Date Contract was Authorised
AUTHORISEDBY	varchar(15)		User Name
FILENAME	varchar(40)		File name of Re-Offer file
LASTCHANGED	datetime		Last date and time record changed

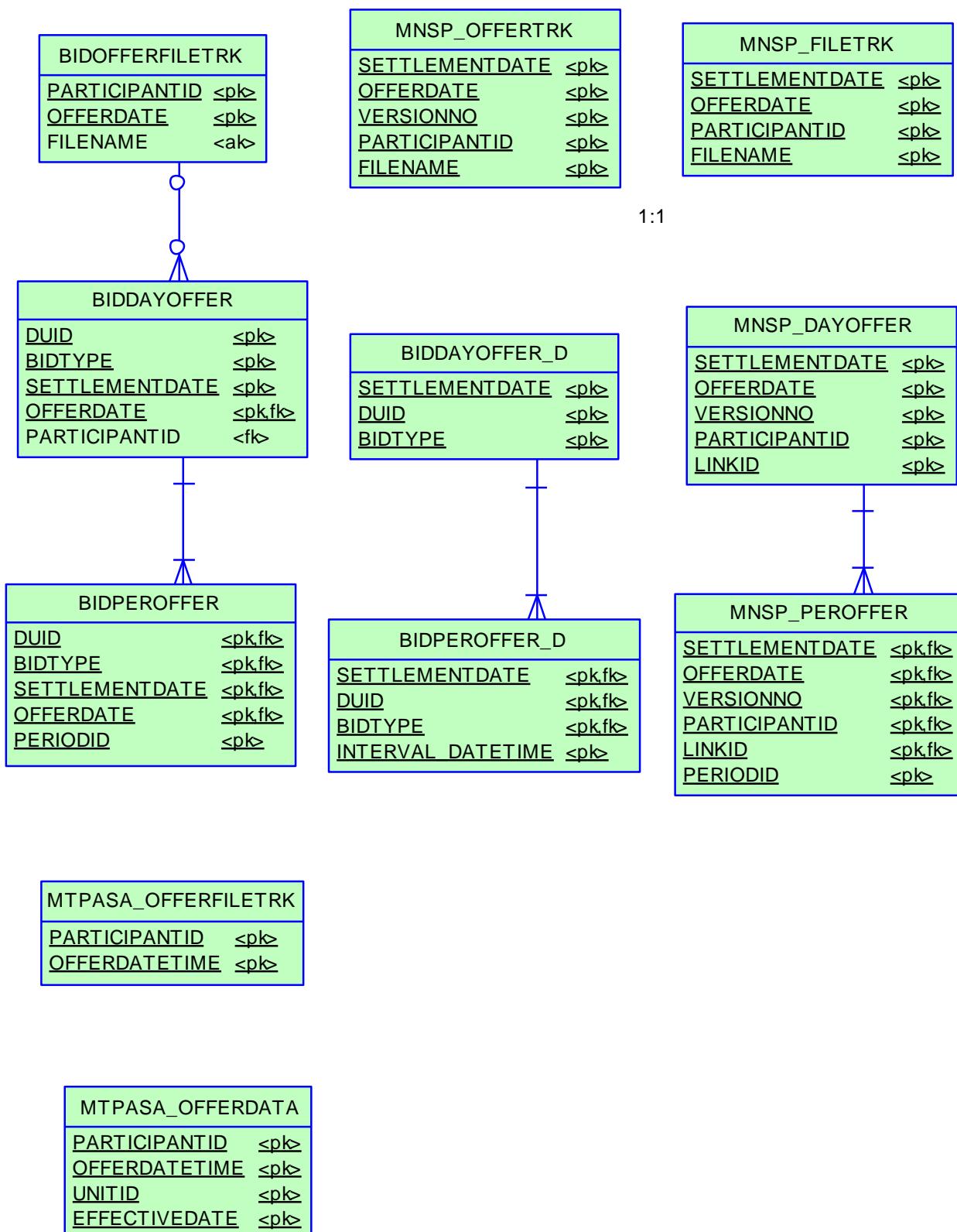
## 8 Package: BIDS

Name	BIDS
Comment	Energy and Market Based FCAS Offers

### 8.1 List of tables

Name	Comment
BIDDAYOFFER	BIDDAYOFFER shows the Energy and Ancillary Service bid data for each Market Day. BIDDAYOFFER is the parent table to BIDPEROFFER.
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.
BIDOFFERFILETRK	BIDOFFERFILETRK shows an audit trail of all files submitted containing an FCAS bid, including corrupt bids and rebids.
BIDPEROFFER	BIDPEROFFER shows period-based Energy and Ancillary Service bid data. BIDPEROFFER is a child table of BIDDAYOFFER.
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.
MNSP_DAYOFFER	MNSP_DAYOFFER shows price and other non-period data pertaining to a specific MNSP bid and Link ID to be effective from the given Settlement Date. MNSP_DAYOFFER is the parent table to MNSP_PEROFFER, and joins to MNSP_OFFERTRK.
MNSP_FILETRK	MNSP_FILETRK shows all MNSPOFFERS transmitted to the MMS system.
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.
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 links to MNSP_OFFERTRK.
MTPASA_OFFERDATA	Participant submitted Offers for MTPASA process
MTPASA_OFFERFILETRK	Participant submitted Offers for MTPASA process

## 8.2 Diagram: Entities: Bids



## 8.3 Table: BIDDAYOFFER

### 8.3.1 BIDDAYOFFER

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

### 8.3.2 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 BIDPEROFFER) 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

### 8.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 8.3.4 Primary Key Columns

Name  
 BIDTYPE  
 DUID  
 OFFERDATE  
 SETTLEMENTDATE

### 8.3.5 Index Columns

Name  
 LASTCHANGED

### 8.3.6 Index Columns

Name  
 PARTICIPANTID

### 8.3.7 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable unit identifier
BIDTYPE	varchar(10)	X	Bid Type Identifier
SETTLEMENTDATE	datetime	X	Market date for applying the bid

OFFERDATE	datetime	X	Offer date of data
VERSIONNO	numeric(22,0)		Version No. for given offer date
PARTICIPANTID	varchar(10)		Unique participant identifier
DAILYENERGYCONSTR	numeric(12,6)		Maximum energy available from Energy Constrained Plant. (Energy Bids Only)
AINT			
REBIDEXPLANATION	varchar(500)		Explanation for all rebids and inflexibilities
PRICEBAND1	numeric(9,2)		Price for Availability Band 1
PRICEBAND2	numeric(9,2)		Price for Availability Band 2
PRICEBAND3	numeric(9,2)		Price for Availability Band 3
PRICEBAND4	numeric(9,2)		Price for Availability Band 4
PRICEBAND5	numeric(9,2)		Price for Availability Band 5
PRICEBAND6	numeric(9,2)		Price for Availability Band 6
PRICEBAND7	numeric(9,2)		Price for Availability Band 6
PRICEBAND8	numeric(9,2)		Price for Availability Band 8
PRICEBAND9	numeric(9,2)		Price for Availability Band 9
PRICEBAND10	numeric(9,2)		Price for Availability Band 10
MINIMUMLOAD	numeric(22,0)		Minimum MW load fast start plant
T1	numeric(22,0)		Time to synchronise in minutes (Energy Bids Only)
T2	numeric(22,0)		Time to minimum load in minutes (Energy Bids Only)
T3	numeric(22,0)		Time at minimum load in minutes (Energy Bids Only)
T4	numeric(22,0)		Time to shutdown in minutes (Energy Bids Only)
NORMALSTATUS	varchar(3)		not used; was ON/OFF for loads (Energy Bids Only)
LASTCHANGED	datetime		Last date and time record changed
MR_FACTOR	numeric(16,6)		Mandatory Restriction Offer Factor
ENTRYTYPE	varchar(20)		Daily if processed before BidCutOff of previous day, otherwise REBID

## 8.4 Table: BIDDAYOFFER\_D

### 8.4.1 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.

### 8.4.2 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

### 8.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 8.4.4 Primary Key Columns

Name  
 BIDTYPE  
 DUID  
 SETTLEMENTDATE

### 8.4.5 Index Columns

Name  
 LASTCHANGED

### 8.4.6 Index Columns

Name  
 PARTICIPANTID

### 8.4.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date for which the bid applied
DUID	varchar(10)	X	Dispatchable unit identifier
BIDTYPE	varchar(10)	X	Bid Type Identifier
BIDSETTLEMENTDATE	datetime		Market date for which the bid was submitted.
OFFERDATE	datetime		Offer date and time
VERSIONNO	numeric(22,0)		Version No. for given offer date

PARTICIPANTID	varchar(10)		Unique participant identifier
DAILYENERGYCONSTR AINT	numeric(12,6)		Maximum energy available from Energy Constrained Plant. (Energy Bids Only)
REBIDEXPLANATION	varchar(500)		Explanation for all rebids and inflexibilities
PRICEBAND1	numeric(9,2)		Price for Availability Band 1
PRICEBAND2	numeric(9,2)		Price for Availability Band 2
PRICEBAND3	numeric(9,2)		Price for Availability Band 3
PRICEBAND4	numeric(9,2)		Price for Availability Band 4
PRICEBAND5	numeric(9,2)		Price for Availability Band 5
PRICEBAND6	numeric(9,2)		Price for Availability Band 6
PRICEBAND7	numeric(9,2)		Price for Availability Band 7
PRICEBAND8	numeric(9,2)		Price for Availability Band 8
PRICEBAND9	numeric(9,2)		Price for Availability Band 9
PRICEBAND10	numeric(9,2)		Price for Availability Band 10
MINIMUMLOAD	numeric(22,0)		Minimum MW load fast start plant
T1	numeric(22,0)		Time to synchronise in minutes (Energy Bids Only)
T2	numeric(22,0)		Time to minimum load in minutes (Energy Bids Only)
T3	numeric(22,0)		Time at minimum load in minutes (Energy Bids Only)
T4	numeric(22,0)		Time to shutdown in minutes (Energy Bids Only)
NORMALSTATUS	varchar(3)		ON/OFF for loads (Energy Bids Only)
LASTCHANGED	datetime		Last date and time record changed
MR_FACTOR	numeric(16,6)		Mandatory Restriction Scaling Factor
ENTRYTYPE	varchar(20)		Daily if processed before BidCutOff of previous day, otherwise REBID

## 8.5 Table: BIDOFFERFILETRK

### 8.5.1 BIDOFFERFILETRK

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

### 8.5.2 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 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.

#### 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

### 8.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 8.5.4 Primary Key Columns

Name
FILENAME

### 8.5.5 Primary Key Columns

Name
OFFERDATE
PARTICIPANTID

### 8.5.6 Index Columns

Name  
LASTCHANGED

### 8.5.7 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
OFFERDATE	datetime	X	Date file offered
FILENAME	varchar(80)	X	Submitted file name
STATUS	varchar(10)		Load status [SUCCESSFUL/CORRUPT]
LASTCHANGED	datetime		Last date and time record changed
AUTHORISEDBY	varchar(20)		Participant agent who created the Offer
AUTHORISEDDATE	datetime		When the Offer was processed - synonymous with LastChanged

## 8.6 Table: BIDPEROFFER

### 8.6.1 BIDPEROFFER

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

### 8.6.2 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

### 8.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 8.6.4 Primary Key Columns

Name  
 BIDTYPE  
 DUID  
 OFFERDATE  
 PERIODID  
 SETTLEMENTDATE

### 8.6.5 Index Columns

Name  
 LASTCHANGED

### 8.6.6 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable Unit identifier
BIDTYPE	varchar(10)	X	Bid Type Identifier
SETTLEMENTDATE	datetime	X	Market date starting at 04:05
OFFERDATE	datetime	X	Offer date
PERIODID	numeric(22,0)	X	Period ID
VERSIONNO	numeric(22,0)		Version number of offer
MAXAVAIL	numeric(12,6)		Maximum availability for this BidType in this period
FIXEDLOAD	numeric(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	numeric(6,0)		MW/min for raise (Energy Bids Only)
ROCDOWN	numeric(6,0)		MW/Min for lower (Energy Bids Only)
ENABLEMENTMIN	numeric(6,0)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
ENABLEMENTMAX	numeric(6,0)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only)
LOWBREAKPOINT	numeric(6,0)		Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
HIGHBREAKPOINT	numeric(6,0)		Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
BANDAVAIL1	numeric(22,0)		Availability at price band 1
BANDAVAIL2	numeric(22,0)		Availability at price band 2
BANDAVAIL3	numeric(22,0)		Availability at price band 3
BANDAVAIL4	numeric(22,0)		Availability at price band 4
BANDAVAIL5	numeric(22,0)		Availability at price band 5
BANDAVAIL6	numeric(22,0)		Availability at price band 6
BANDAVAIL7	numeric(22,0)		Availability at price band 7
BANDAVAIL8	numeric(22,0)		Availability at price band 8
BANDAVAIL9	numeric(22,0)		Availability at price band 9
BANDAVAIL10	numeric(22,0)		Availability at price band 10
LASTCHANGED	datetime		Last date and time record changed
PASAABILITY	numeric(12,0)		Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours
MR_CAPACITY	numeric(6,0)		Mandatory Restriction Offer amount

## 8.7 Table: BIDPEROFFER\_D

### 8.7.1 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.

### 8.7.2 Description

BIDPEROFFER\_D is public data, so is available to all participants.

#### Source

BIDPEROFFER\_D updates daily shortly after 4am.

See also BIDPEROFFER.

### 8.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 8.7.4 Primary Key Columns

Name  
 BIDTYPE  
 DUID  
 INTERVAL\_DATETIME  
 SETTLEMENTDATE

### 8.7.5 Index Columns

Name  
 LASTCHANGED

### 8.7.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date for which the bid applied
DUID	varchar(10)	X	Dispatchable Unit identifier
BIDTYPE	varchar(10)	X	Bid Type Identifier
BIDSETTLEMENTDATE	datetime		Market date for which the bid was submitted
OFFERDATE	datetime		Offer date and time
PERIODID	numeric(22,0)		The trading interval period identifier (1-48)
VERSIONNO	numeric(22,0)		Version number of offer
MAXAVAIL	numeric(12,6)		Maximum availability for this BidType in this period
FIXEDLOAD	numeric(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	numeric(6,0)		MW/min for raise (Energy Bids Only)
ROCDOWN	numeric(6,0)		MW/Min for lower (Energy Bids Only)

ENABLEMENTMIN	numeric(6,0)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
ENABLEMENTMAX	numeric(6,0)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only)
LOWBREAKPOINT	numeric(6,0)		Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
HIGHBREAKPOINT	numeric(6,0)		Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only)
BANDAVAIL1	numeric(22,0)		Availability at price band 1
BANDAVAIL2	numeric(22,0)		Availability at price band 2
BANDAVAIL3	numeric(22,0)		Availability at price band 3
BANDAVAIL4	numeric(22,0)		Availability at price band 4
BANDAVAIL5	numeric(22,0)		Availability at price band 5
BANDAVAIL6	numeric(22,0)		Availability at price band 6
BANDAVAIL7	numeric(22,0)		Availability at price band 7
BANDAVAIL8	numeric(22,0)		Availability at price band 8
BANDAVAIL9	numeric(22,0)		Availability at price band 9
BANDAVAIL10	numeric(22,0)		Availability at price band 10
LASTCHANGED	datetime		Last date and time record changed
PASAABILITY	numeric(12,0)		Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours
INTERVAL_DATETIME	datetime	X	Date and Time of the dispatch interval to which the offer applied
MR_CAPACITY	numeric(6,0)		Mandatory Restriction Offer amount

## 8.8 Table: MNSP\_DAYOFFER

### 8.8.1 MNSP\_DAYOFFER

Name	MNSP_DAYOFFER
Comment	MNSP_DAYOFFER shows price and other non-period data pertaining to a specific MNSP bid and Link ID to be effective from the given Settlement Date.
MNSP_DAYOFFER is the parent table to MNSP_PEROFFER, and joins to MNSP_OFFERTRK.	

### 8.8.2 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

### 8.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 8.8.4 Primary Key Columns

Name
LINKID
OFFERDATE
PARTICIPANTID
SETTLEMENTDATE
VERSIONNO

### 8.8.5 Index Columns

Name
LASTCHANGED

### 8.8.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market Date from which bid is active
OFFERDATE	datetime	X	Offer date for bid
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
PARTICIPANTID	varchar(10)	X	Participant Identifier
LINKID	varchar(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.

ENTRYTYPE	varchar(20)		Bid type. Either Rebid or Daily
REBIDEXPLANATION	varchar(500)		Explanation for all rebids and inflexibilities
PRICEBAND1	numeric(9,2)		Price for Availability Band 1
PRICEBAND2	numeric(9,2)		Price for Availability Band 2
PRICEBAND3	numeric(9,2)		Price for Availability Band 3
PRICEBAND4	numeric(9,2)		Price for Availability Band 4
PRICEBAND5	numeric(9,2)		Price for Availability Band 5
PRICEBAND6	numeric(9,2)		Price for Availability Band 6
PRICEBAND7	numeric(9,2)		Price for Availability Band 7
PRICEBAND8	numeric(9,2)		Price for Availability Band 8
PRICEBAND9	numeric(9,2)		Price for Availability Band 9
PRICEBAND10	numeric(9,2)		Price for Availability Band 10
LASTCHANGED	datetime		Last date and time record changed
MR_FACTOR	numeric(16,6)		Mandatory Restriction Offer Factor

## 8.9 Table: MNSP\_FILETRK

### 8.9.1 MNSP\_FILETRK

Name	MNSP_FILETRK
Comment	MNSP_FILETRK shows all MNSPOFFERS transmitted to the MMS system.

### 8.9.2 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

### 8.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 8.9.4 Primary Key Columns

Name  
 FILENAME  
 OFFERDATE  
 PARTICIPANTID  
 SETTLEMENTDATE

### 8.9.5 Index Columns

Name  
 LASTCHANGED

### 8.9.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market Date from which bid is active
OFFERDATE	datetime	X	The actual date and time the bid file was submitted by the participant
PARTICIPANTID	varchar(10)	X	Participant Identifier
FILENAME	varchar(40)	X	File name for default bids, bids, rebids, re-offers or meter files, as appropriate to table
STATUS	varchar(10)		Load status [SUCCESSFUL/CORRUPT]
ACKFILENAME	varchar(40)		Acknowledge file name for bids, rebids
LASTCHANGED	datetime		Last date and time record changed

## 8.10 Table: MNSP\_OFFERTRK

### 8.10.1 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.

### 8.10.2 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

### 8.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 8.10.4 Primary Key Columns

Name  
 FILENAME  
 OFFERDATE  
 PARTICIPANTID  
 SETTLEMENTDATE  
 VERSIONNO

### 8.10.5 Index Columns

Name  
 LASTCHANGED

### 8.10.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	
OFFERDATE	datetime	X	
VERSIONNO	numeric(3,0)	X	
PARTICIPANTID	varchar(10)	X	
FILENAME	varchar(40)	X	
AUTHORISEDDATE	datetime		
AUTHORISEDBY	varchar(15)		
LASTCHANGED	datetime		

## 8.11 Table: MNSP\_PEROFFER

### 8.11.1 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.

### 8.11.2 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

### 8.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 8.11.4 Primary Key Columns

Name  
 LINKID  
 OFFERDATE  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 8.11.5 Index Columns

Name  
 LASTCHANGED

### 8.11.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market Date from which bid is active
OFFERDATE	datetime	X	Offer date for bid
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
PARTICIPANTID	varchar(10)	X	Participant Identifier
LINKID	varchar(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.

PERIODID	numeric(22,0)	X	Trading Interval number
MAXAVAIL	numeric(6,0)		Maximum planned availability MW
BANDAVAIL1	numeric(6,0)		Band Availability for current Period
BANDAVAIL2	numeric(6,0)		Band Availability for current Period
BANDAVAIL3	numeric(6,0)		Band Availability for current Period
BANDAVAIL4	numeric(6,0)		Band Availability for current Period
BANDAVAIL5	numeric(6,0)		Band Availability for current Period
BANDAVAIL6	numeric(6,0)		Band Availability for current Period
BANDAVAIL7	numeric(6,0)		Band Availability for current Period
BANDAVAIL8	numeric(6,0)		Band Availability for current Period
BANDAVAIL9	numeric(6,0)		Band Availability for current Period
BANDAVAIL10	numeric(6,0)		Band Availability for current Period
LASTCHANGED	datetime		Last date and time record changed
FIXEDLOAD	numeric(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	numeric(6,0)		Ramp rate (MW / min) in the positive direction of flow for this MNSP link for this half-hour period
PASAABILITY	numeric(12,0)		Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours
MR_CAPACITY	numeric(6,0)		Mandatory Restriction Offer amount

## 8.12 Table: MTPASA\_OFFERDATA

### 8.12.1 MTPASA\_OFFERDATA

Name	MTPASA_OFFERDATA
Comment	Participant submitted Offers for MTPASA process

### 8.12.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private;

### 8.12.3 Primary Key Columns

Name  
 EFFECTIVEDATE  
 OFFERDATETIME  
 PARTICIPANTID  
 UNITID

### 8.12.4 Index Columns

Name  
 LASTCHANGED

### 8.12.5 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(20)	X	Unique participant identifier
OFFERDATETIME	datetime	X	Date time file processed
UNITID	varchar(20)	X	either duid or mnsp linkid
EFFECTIVEDATE	datetime	X	trade date when the offer becomes effective
ENERGY	numeric(9)		weekly energy constraint value
CAPACITY1	numeric(9)		capacity value day 1 (sunday)
CAPACITY2	numeric(9)		capacity value day 2 (monday)
CAPACITY3	numeric(9)		capacity value day 3 (tuesday)
CAPACITY4	numeric(9)		capacity value day 4 (wednesday)
CAPACITY5	numeric(9)		capacity value day 5 (thursday)
CAPACITY6	numeric(9)		capacity value day 6 (friday)
CAPACITY7	numeric(9)		capacity value day 7 (saturday)
LASTCHANGED	datetime		timestamp when record last changed

## 8.13 Table: MTPASA\_OFFERFILETRK

### 8.13.1 MTPASA\_OFFERFILETRK

Name	MTPASA_OFFERFILETRK
Comment	Participant submitted Offers for MTPASA process

### 8.13.2 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

### 8.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 8.13.4 Primary Key Columns

Name  
 OFFERDATETIME  
 PARTICIPANTID

### 8.13.5 Content

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

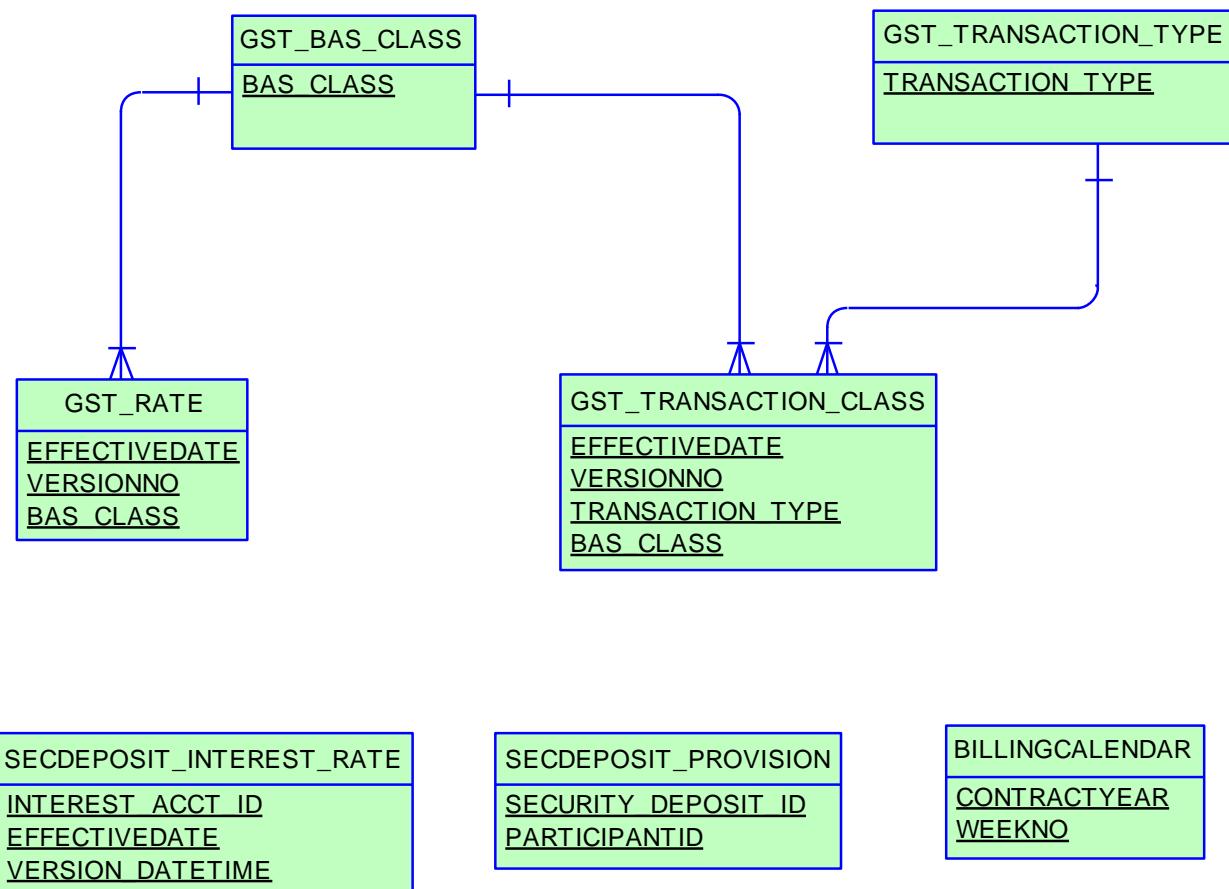
## 9 Package: BILLING\_CONFIG

Name	BILLING_CONFIG
Comment	Configuration data for the Billing Process

### 9.1 List of tables

Name	Comment
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.
GST_BAS_CLASS	GST_BAS_CLASS contains a static list of BAS (Business Activity Statement) classifications supported by the MMS.
GST_RATE	GST_RATE maintains the GST rates on a BAS (Business Activity Statement) class basis.
GST_TRANSACTION_CLASS	GST_TRANSACTION_CLASS maps NEM settlement transaction types with BAS (Business Activity Statement) classifications.
GST_TRANSACTION_TYPE	GST_TRANSACTION_TYPE shows a static list of transaction types supported by the MMS.
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
SECDEPOSIT_PROVISION	The security deposit provision entry details

## 9.2 Diagram: Entities: Billing Config



## 9.3 Table: BILLINGCALENDAR

### 9.3.1 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.

### 9.3.2 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

### 9.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 9.3.4 Primary Key Columns

Name
CONTRACTYEAR
WEEKNO

### 9.3.5 Index Columns

Name
LASTCHANGED

### 9.3.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
STARTDATE	datetime		Start Date of week
ENDDATE	datetime		End Date of week
PRELIMINARYSTATEMENTDATE	datetime		Preliminary Statement Date
FINALSTATEMENTDATE	datetime		Final Statement Date
PAYMENTDATE	datetime		Payment Date
LASTCHANGED	datetime		Last date and time record changed

REVISION1_STATEMENT_DATE	datetime		Revision 1 Statement Date for the billing week.
REVISION2_STATEMENT_DATE	datetime		Revision 2 Statement Date for the billing week.

## 9.4 Table: GST\_BAS\_CLASS

### 9.4.1 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.

### 9.4.2 Description

GST\_BAS\_CLASS data is public to all participants.

### 9.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 9.4.4 Primary Key Columns

Name
BAS_CLASS

### 9.4.5 Index Columns

Name
LASTCHANGED

### 9.4.6 Content

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

## 9.5 Table: GST\_RATE

### 9.5.1 GST\_RATE

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

### 9.5.2 Description

GST\_RATE data is public to all participants.

### 9.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 9.5.4 Primary Key Columns

Name  
 BAS\_CLASS  
 EFFECTIVEDATE  
 VERSIONNO

### 9.5.5 Index Columns

Name  
 LASTCHANGED

### 9.5.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	The effective date of the data set
VERSIONNO	numeric(3,0)	X	The version number of the data set
BAS_CLASS	varchar(30)	X	The BAS classification
GST_RATE	numeric(8,5)		The GST rate that applies to this BAS classification
LASTCHANGED	datetime		Last date and time the record changed

## 9.6 Table: GST\_TRANSACTION\_CLASS

### 9.6.1 GST\_TRANSACTION\_CLASS

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

### 9.6.2 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.

### 9.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 9.6.4 Primary Key Columns

Name  
 BAS\_CLASS  
 EFFECTIVEDATE  
 TRANSACTION\_TYPE  
 VERSIONNO

### 9.6.5 Index Columns

Name  
 LASTCHANGED

### 9.6.6 Content

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

## 9.7 Table: GST\_TRANSACTION\_TYPE

### 9.7.1 GST\_TRANSACTION\_TYPE

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

### 9.7.2 Description

GST\_TRANSACTION\_TYPE data is public to all participants.

### 9.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 9.7.4 Primary Key Columns

Name TRANSACTION_TYPE
--------------------------

### 9.7.5 Index Columns

Name LASTCHANGED
---------------------

### 9.7.6 Content

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

## 9.8 Table: SECDEPOSIT\_INTEREST\_RATE

### 9.8.1 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

### 9.8.2 Description

SECDEPOSIT\_INTEREST\_RATE data is public to all participants.

### 9.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 9.8.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 INTEREST\_ACCT\_ID  
 VERSION\_DATETIME

### 9.8.5 Content

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

## 9.9 Table: SECDEPOSIT\_PROVISION

### 9.9.1 SECDEPOSIT\_PROVISION

Name	SECDEPOSIT_PROVISION
Comment	The security deposit provision entry details

### 9.9.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 9.9.3 Primary Key Columns

Name  
**PARTICIPANTID**  
**SECURITY\_DEPOSIT\_ID**

### 9.9.4 Content

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

## 10 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.

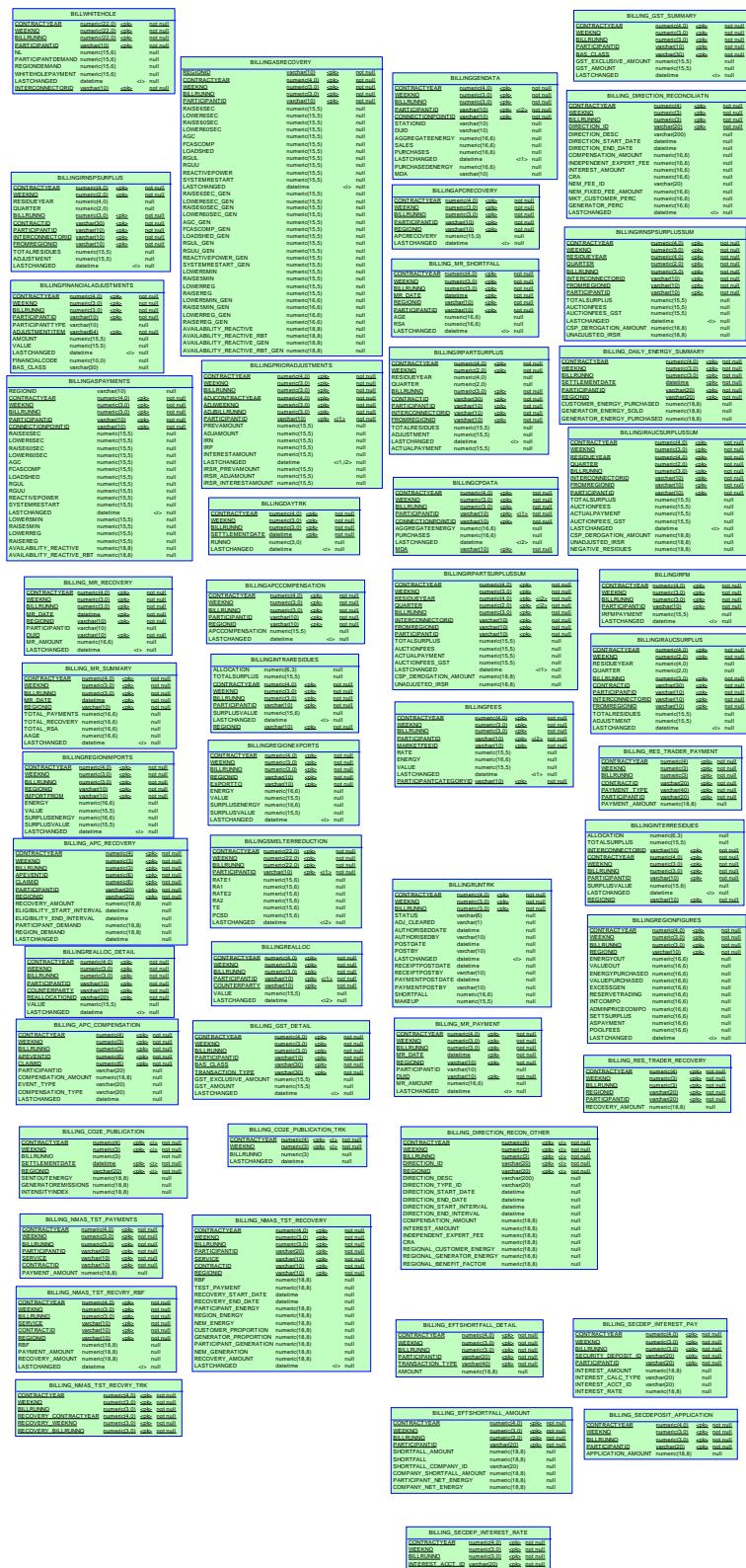
### 10.1 List of tables

Name	Comment
BILLING_AP_CCOMPENSATION	Billing result table for APC compensation payments.
BILLING_AP_RECOVERY	Billing result table for recovery of APC compensation payments
BILLING_CO2E_PUBLICATION	Carbon Dioxide Intensity Index publication table
BILLING_CO2E_PUBLICATION_TRK	Carbon Dioxide Intensity Index publication tracking table
BILLING_DAILY_ENERGY_SUMMARY	Billing result table containing daily summary data for customer and generator energy amounts
BILLING_DIRECTION_RECONCILIATION_OTHER	Billing reconciliation result table for both provisional and final directions
BILLING_DIRECTION_RECONCILIATION_N	Billing reconciliation result table for both provisional and final directions using the FPP methodology (prior to 1st July 2011)
BILLING_EFTSHORTFALL_AMOUNT	The billing shortfall run amounts
BILLING_EFTSHORTFALL_DETAIL	The Billing Shortfall Run Amount details
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.
BILLING_GST_SUMMARY	BILLING_GST_SUMMARY shows the GST_Exclusive and GST amount (if any) attributable to a participant for each BAS class.
BILLING_MR_PAYMENT	BILLING_MR_PAYMENT shows aggregate payments on a dispatchable unit/MR Event basis for accepted MR capacity
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.
BILLING_MR_SHORTFALL	BILLING_MR_SHORTFALL shows aggregate MR shortfall payments (or recovery charges) to each participant in the region for the MR event.
BILLING_MR_SUMMARY	BILLING_MR_SUMMARY shows aggregate payment/recovery and shortfall figures for an MR Event.
BILLING_NMAS_TST_PAYMENTS	BILLING_NMAS_TEST_PAYMENTS publish the NSCAS/SRAS Testing Payments data for a posted billing week.
BILLING_NMAS_TST_RECOVERY	BILLING_NMAS_TEST_RECOVERY sets out the recovery of NMAS testing payments
BILLING_NMAS_TST_RECVRY_RBF	BILLING_NMAS_TEST_RECVRY_RBF sets out the NSCAS/SRAS Testing Payment recovery data for the posted billing week.
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.
BILLING_RES_TRADER_PAYMENT	Billing result table for reserve trader contract payments
BILLING_RES_TRADER_RECOVERY	Billing result table for reserve trader contract recovery
BILLING_SECDEP_INTEREST_PAY	The interest amount for security deposit calculated by billing, based on whether it is a fixed/floating rate
BILLING_SECDEP_INTEREST_RATE	The DAILY interest rates used by billing when calculating the interest amount
BILLING_SECDEPOSIT_APPLICATION	The security deposit application details
BILLINGAPCCCOMPENSATION	BILLINGAPCCCOMPENSATION shows Administered Price Cap (APC) compensation amounts for the billing period. Data is for each participant by region.
BILLINGAPCRECOVERY	BILLINGAPCRECOVERY shows the Administered Price Cap (APC) Recovery for the billing period. Data is for each participant by region.
BILLINGASPAYMENTS	BILLINGASPAYMENTS shows Ancillary Service payments for each billing period by each of the Ancillary Service types for each participant's connection points.
BILLINGASRECOVERY	BILLINGASRECOVERY shows participant charges for Ancillary Services for the billing period. This view shows the billing amounts for Ancillary Service Recovery.
BILLINGCPDATA	BILLINGCPDATA shows energy quantity and \$ value purchased per participant connection point.
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.
BILLINGFEES	BILLINGFEES presents pool fees applied to the statement, per billing run.
BILLINGFINANCIALADJUSTMENTS	BILLINGFINANCIALADJUSTMENTS contains any manual adjustments included in the billing run.
BILLINGGENDATA	BILLINGGENDATA shows the total energy sold and purchased per participant transmission connection point for a billing period.
BILLINGINTERRESIDUES	BILLINGINTERRESIDUES shows interregion residues payable to NSP.
BILLINGINTRARESIDUES	BILLINGINTRARESIDUES shows intra-region settlement residue details for each Transmission Network Service Provider participant by region.
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.
BILLINGIRAUCSURPLUSSUM	BILLINGIRAUCSURPLUSSUM contains Auction fees and Settlements Residue Auction distribution that may arise from unpurchased auction units that accrue to Transmission Network Service Providers.
BILLINGIRFM	BILLINGIRFM shows billing amounts associated with Industrial Relations Forced Majeure events for each participant.
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).
BILLINGIRNSPSURPLUSSUM	BILLINGIRNSPSURPLUSSUM contains derogated payments made to TNSPs arising from the Settlements Residue Auction process.
BILLINGIRPARTSURPLUS	BILLINGIRPARTSURPLUS supports the Settlements Residue Auction, by showing the weekly billing SRA distribution to Auction

	participants by Contract Identifier.
BILLINGIRPARTSURPLUSSUM	BILLINGIRPARTSURPLUSSUM supports the Settlements Residue Auction, by showing the weekly billing SRA distribution and associated fees to Auction participants.
BILLINGPRIORADJUSTMENTS	BILLINGPRIORADJUSTMENTS sets out prior period adjustments and associated interest inserted in subsequent Final Statements arising from Revision Statement postings.
BILLINGREALLOC	BILLINGREALLOC shows reallocation contract values in each billing run, where participants have used reallocations.
BILLINGREALLOC_DETAIL	Billing Reallocation Data aggregated by REALLOCATIONID for each billing run over the billing week.
BILLINGREGIONEXPORTS	BILLINGREGIONEXPORTS sets out the region summary table of overall energy exported to and from each region for each billing run.
BILLINGREGIONFIGURES	BILLINGREGIONFIGURES sets out additional summary region details including ancillary service amounts for each billing run.
BILLINGREGIONIMPORTS	BILLINGREGIONIMPORTS sets out the region summary table of overall energy imported to and from each region for each billing run.
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.
BILLINGSMELTERREDUCTION	BILLINGSMELTERREDUCTION shows the smelter reduction payment (only applies to participants with Victorian customer connection points).
BILLWHITEHOLE	BILLWHITEHOLE shows white hole payments based on participant vs region demand.

## 10.2 Diagram: Entities: Billing Run



## 10.3 Table: BILLING\_APP\_COMPENSATION

### 10.3.1 BILLING\_APP\_COMPENSATION

Name	BILLING_APP_COMPENSATION
Comment	Billing result table for APC compensation payments.

### 10.3.2 Description

Updated with each billing run

### 10.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.3.4 Primary Key Columns

Name  
 APEVENTID  
 BILLRUNNO  
 CLAIMID  
 CONTRACTYEAR  
 WEEKNO

### 10.3.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week number
BILLRUNNO	numeric(3)	X	Billing run number
APEVENTID	numeric(6)	X	AP Event Id
CLAIMID	numeric(6)	X	AP Event Claim Id
PARTICIPANTID	varchar(20)		Participant identifier
COMPENSATION_AMOUNT	numeric(18,8)		Payment amount to the participant
EVENT_TYPE	varchar(20)		The Administered Price Event Type. Valid values: ENERGY, FCAS, BOTH
COMPENSATION_TYPE	varchar(20)		The Type of Administered Price Compensation Claim. Valid values: DIRECT_COST, OTHER_COST
LASTCHANGED	datetime		The date and time of last changed record

## 10.4 Table: BILLING\_APP\_RECOVERY

### 10.4.1 BILLING\_APP\_RECOVERY

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

### 10.4.2 Description

Updated with each billing run

### 10.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.4.4 Primary Key Columns

Name  
 APEVENTID  
 BILLRUNNO  
 CLAIMID  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.4.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week number
BILLRUNNO	numeric(3)	X	Billing run number
APEVENTID	numeric(6)	X	AP Event Id
CLAIMID	numeric(6)	X	AP Event Claim Id
PARTICIPANTID	varchar(20)	X	Participant identifier
REGIONID	varchar(20)	X	Region Identifier
RECOVERY_AMOUNT	numeric(18,8)		Recovery amount attributable to the participant in that region
ELIGIBILITY_START_INTERVAL	datetime		The starting half hourly interval for the eligibility period for recovery of APC Payment
ELIGIBILITY_END_INTERVAL	datetime		The ending half hourly interval for the eligibility period for recovery of APC Payment
PARTICIPANT_DEMAND	numeric(18,8)		The participant demand in the cost recovery region
REGION_DEMAND	numeric(18,8)		The sum of demand of all participants in the cost recovery region (Region Sum)
LASTCHANGED	datetime		The date and time of last changed record

## 10.5 Table: BILLING\_CO2E\_PUBLICATION

### 10.5.1 BILLING\_CO2E\_PUBLICATION

Name	BILLING_CO2E_PUBLICATION
Comment	Carbon Dioxide Intensity Index publication table

### 10.5.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.5.3 Primary Key Columns

Name  
 CONTRACTYEAR  
 REGIONID  
 SETTLEMENTDATE  
 WEEKNO

### 10.5.4 Index Columns

Name  
 CONTRACTYEAR  
 WEEKNO  
 SETTLEMENTDATE  
 REGIONID

### 10.5.5 Content

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

## 10.6 Table: BILLING\_CO2E\_PUBLICATION\_TRK

### 10.6.1 BILLING\_CO2E\_PUBLICATION\_TRK

Name	BILLING_CO2E_PUBLICATION_TRK
Comment	Carbon Dioxide Intensity Index publication tracking table

### 10.6.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.6.3 Primary Key Columns

Name  
 CONTRACTYEAR  
 WEEKNO

### 10.6.4 Index Columns

Name  
 CONTRACTYEAR  
 WEEKNO

### 10.6.5 Content

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

## 10.7 Table: BILLING\_DAILY\_ENERGY\_SUMMARY

### 10.7.1 BILLING\_DAILY\_ENERGY\_SUMMARY

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

### 10.7.2 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.

### 10.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.7.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 SETTLEMENTDATE  
 WEEKNO

### 10.7.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	Billing Contract Year
WEEKNO	numeric(3,0)	X	Billing Week number
BILLRUNNO	numeric(3,0)	X	Billing Run number
SETTLEMENTDATE	datetime	X	settlement date
PARTICIPANTID	varchar(20)	X	participant identifier
REGIONID	varchar(20)	X	Unique Region Identifier
CUSTOMER_ENERGY_PURCHASED	numeric(18,8)		customer energy amount purchased on this settlement day by the participant in the region
GENERATOR_ENERGY_SOLD	numeric(18,8)		generator energy amount sold on this settlement day by the participant in the region
GENERATOR_ENERGY_PURCHASED	numeric(18,8)		generator energy amount purchased on this settlement day by the participant in the region



## 10.8 Table: BILLING\_DIRECTION\_RECON\_OTHER

### 10.8.1 BILLING\_DIRECTION\_RECON\_OTHER

Name BILLING\_DIRECTION\_RECON\_OTHER  
 Comment Billing reconciliation result table for both provisional and final directions

### 10.8.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.8.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 DIRECTION\_ID  
 REGIONID  
 WEEKNO

### 10.8.4 Index Columns

Name  
 CONTRACTYEAR  
 WEEKNO  
 BILLRUNNO  
 DIRECTION\_ID  
 REGIONID

### 10.8.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week no
BILLRUNNO	numeric(3)	X	Billing run no
DIRECTION_ID	varchar(20)	X	Direction identifier
REGIONID	varchar(20)	X	Region Identifier
DIRECTION_DESC	varchar(200)		Direction description
DIRECTION_TYPE_ID	varchar(20)		The service for which the direction occurred (ENERGY, ANCILLARY, NON_ENERGY_NON_AS, etc)
DIRECTION_START_DATE	datetime		Settlement day on which the direction starts
DIRECTION_END_DATE	datetime		Settlement day on which the direction ends. The same value for all regions
DIRECTION_START_INTERVAL	datetime		Dispatch interval in which the direction starts. The same value for all regions
DIRECTION_END_INTERVAL	datetime		Dispatch interval in which the direction ends. The same value for all regions
COMPENSATION_AMOUNT	numeric(18,8)		The final compensation amount for the direction. The same value for all regions
INTEREST_AMOUNT	numeric(18,8)		The interest amount calculated on the final compensation amount for the direction. The same value for all regions

INDEPENDENT_EXPERT_FEE	numeric(18,8)		The independent expert fee amount for the direction. The same value for all regions
CRA	numeric(18,8)		The total recovery amount for the direction. The same value for all regions
REGIONAL_CUSTOMER_ENERGY	numeric(18,8)		The total customer energy for this region, over the duration of the direction
REGIONAL_GENERATOR_ENERGY	numeric(18,8)		The total generator energy for this region, over the duration of the direction
REGIONAL_BENEFIT_FACTOR	numeric(18,8)		The regional benefit factor allocated to this region for the direction

## 10.9 Table: BILLING\_DIRECTION\_RECONCILIATN

### 10.9.1 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)

### 10.9.2 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

### 10.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.9.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
DIRECTION_ID
WEEKNO

### 10.9.5 Index Columns

Name
LASTCHANGED

### 10.9.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week no
BILLRUNNO	numeric(3)	X	Billing run no
DIRECTION_ID	varchar(20)	X	Direction identifier
DIRECTION_DESC	varchar(200)		Direction description
DIRECTION_START_DATE	datetime		Direction start date time
DIRECTION_END_DATE	datetime		Direction end date time
COMPENSATION_AMOUNT	numeric(16,6)		Direction compensation amount
INDEPENDENT_EXPERT_FEE	numeric(16,6)		Independent expert fee charged on calculating direction compensation amount
INTEREST_AMOUNT	numeric(16,6)		Interest occurred on direction compensation amount
CRA	numeric(16,6)		Direction compensation recovery amount

NEM_FEE_ID	varchar(20)		Fixed settlement fee identifier for direction purpose
NEM_FIXED_FEE_AMO_UNT	numeric(16,6)		Fixed settlement fee for participants between direction start and end date
MKT_CUSTOMER_PER_C	numeric(16,6)		Direction compensation recovery amount percentage breakdown among customers
GENERATOR_PERC	numeric(16,6)		Direction compensation recovery amount percentage breakdown among generators
LASTCHANGED	datetime		Last changed date time

## 10.10 Table: BILLING\_EFTSHORTFALL\_AMOUNT

### 10.10.1 BILLING\_EFTSHORTFALL\_AMOUNT

Name	BILLING_EFTSHORTFALL_AMOUNT
Comment	The billing shortfall run amounts

### 10.10.2 Description

BILLING\_EFTSHORTFALL\_AMOUNT data is confidential, and is available only to the relevant participant.

### 10.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.10.4 Primary Key Columns

Name	
BILLRUNNO	
CONTRACTYEAR	
PARTICIPANTID	
WEEKNO	

### 10.10.5 Content

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

## 10.11 Table: BILLING\_EFTSHORTFALL\_DETAIL

### 10.11.1 BILLING\_EFTSHORTFALL\_DETAIL

Name	BILLING_EFTSHORTFALL_DETAIL
Comment	The Billing Shortfall Run Amount details

### 10.11.2 Description

BILLING\_EFTSHORTFALL\_DETAIL data is confidential, and is available only to the relevant participant.

### 10.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private & Public

### 10.11.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 TRANSACTION\_TYPE  
 WEEKNO

### 10.11.5 Content

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

## 10.12 Table: BILLING\_GST\_DETAIL

### 10.12.1 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.

### 10.12.2 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.

### 10.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.12.4 Primary Key Columns

Name  
 BAS\_CLASS  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 TRANSACTION\_TYPE  
 WEEKNO

### 10.12.5 Index Columns

Name  
 LASTCHANGED

### 10.12.6 Content

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

UNT			participant to/by AEMO for this transaction type.
GST_AMOUNT	numeric(15,5)		The GST amount for this transaction type.
LASTCHANGED	datetime		Last date and time record changed

## 10.13 Table: BILLING\_GST\_SUMMARY

### 10.13.1 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.

### 10.13.2 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.

### 10.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.13.4 Primary Key Columns

Name  
 BAS\_CLASS  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 10.13.5 Index Columns

Name  
 LASTCHANGED

### 10.13.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
BAS_CLASS	varchar(30)	X	The BAS classification
GST_EXCLUSIVE_AMOUNT	numeric(15,5)		The GST exclusive amount paid by/to the participant to/by AEMO for this BAS classification.
GST_AMOUNT	numeric(15,5)		The GST amount for this BAS classification.

LASTCHANGED	datetime	Last date and time record changed
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## 10.14 Table: BILLING\_MR\_PAYMENT

### 10.14.1 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

### 10.14.2 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

### 10.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.14.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 DUID  
 MR\_DATE  
 REGIONID  
 WEEKNO

### 10.14.5 Index Columns

Name  
 LASTCHANGED

### 10.14.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	Billing Contract Year
WEEKNO	numeric(3,0)	X	Billing Week number
BILLRUNNO	numeric(3,0)	X	Billing Run number
MR_DATE	datetime	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique Region Identifier
PARTICIPANTID	varchar(10)		Unique Participant identifier
DUID	varchar(10)	X	Unique identifier for DUID / MNSP LinkID
MR_AMOUNT	numeric(16,6)		Payment amount by AEMO
LASTCHANGED	datetime		Date/Time record inserted/modified

## 10.15 Table: BILLING\_MR\_RECOVERY

### 10.15.1 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.

### 10.15.2 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

### 10.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.15.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 DUID  
 MR\_DATE  
 REGIONID  
 WEEKNO

### 10.15.5 Index Columns

Name  
 LASTCHANGED

### 10.15.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	Billing Contract Year
WEEKNO	numeric(3,0)	X	Billing Week number
BILLRUNNO	numeric(3,0)	X	Billing Run number
MR_DATE	datetime	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique Region Identifier
PARTICIPANTID	varchar(10)		Unique Participant identifier
DUID	varchar(10)	X	Unique identifier for DUID / MNSP LinkID
MR_AMOUNT	numeric(16,6)		Payment amount to AEMO
LASTCHANGED	datetime		Date/Time record inserted/modified



## 10.16 Table: BILLING\_MR\_SHORTFALL

### 10.16.1 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.

### 10.16.2 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.

### 10.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.16.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 MR\_DATE  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.16.5 Index Columns

Name  
 LASTCHANGED

### 10.16.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	Billing Contract Year
WEEKNO	numeric(3,0)	X	Billing Week number
BILLRUNNO	numeric(3,0)	X	Billing Run number
MR_DATE	datetime	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique Region Identifier
PARTICIPANTID	varchar(10)	X	Unique Participant Identifier
AGE	numeric(16,6)		The adjusted gross energy for the market customer in the restricted region for the duration of the mandatory restriction event (MWh)

RSA	numeric(16,6)		Restriction Shortfall amount payable to AEMO for a mandatory restriction period
LASTCHANGED	datetime		Date/Time record inserted/modified

## 10.17 Table: BILLING\_MR\_SUMMARY

### 10.17.1 BILLING\_MR\_SUMMARY

Name	BILLING_MR_SUMMARY
Comment	BILLING_MR_SUMMARY shows aggregate payment/recovery and shortfall figures for an MR Event.

### 10.17.2 Description

BILLING\_MR\_SUMMARY data is public to all participants.

#### Source

Ad hoc - MR events only.

#### Volume

200 rows per year.

### 10.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.17.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 MR\_DATE  
 REGIONID  
 WEEKNO

### 10.17.5 Index Columns

Name  
 LASTCHANGED

### 10.17.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	Billing Contract Year
WEEKNO	numeric(3,0)	X	Billing Week number
BILLRUNNO	numeric(3,0)	X	Billing Run number
MR_DATE	datetime	X	Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique Region Identifier
TOTAL_PAYMENTS	numeric(16,6)		Total payments by AEMO
TOTAL_RECOVERY	numeric(16,6)		Total payments to AEMO
TOTAL_RSA	numeric(16,6)		Total Restriction Shortfall Amount
AAGE	numeric(16,6)		The aggregate of then adjusted gross energy of all the market customer in the restricted region for the duration of the

LASTCHANGED	datetime	mandatory restriction period (MWh) Date/Time record inserted/modified
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## 10.18 Table: BILLING\_NMAS\_TST\_PAYMENTS

### 10.18.1 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.

### 10.18.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.18.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 PARTICIPANTID  
 SERVICE  
 WEEKNO

### 10.18.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	numeric(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	numeric(18,8)		The Testing Payment Amount to recover

## 10.19 Table: BILLING\_NMAS\_TST\_RECOVERY

### 10.19.1 BILLING\_NMAS\_TST\_RECOVERY

Name	BILLING_NMAS_TST_RECOVERY
Comment	BILLING_NMAS_TEST_RECOVERY sets out the recovery of NMAS testing payments

### 10.19.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.19.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 SERVICE  
 WEEKNO

### 10.19.4 Index Columns

Name  
 LASTCHANGED

### 10.19.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	numeric(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: <ul style="list-style-type: none"> <li>- REACTIVE</li> <li>- LOADSHED</li> <li>- RESTART</li> </ul>
CONTRACTID	varchar(10)	X	The NMAS Contract Id
REGIONID	varchar(10)	X	The region from where the amount is recovered
RBF	numeric(18,8)		The Benefitting Factor for the RegionId
TEST_PAYMENT	numeric(18,8)		The total Testing Payment Amount to recover from all benefitting regions
RECOVERY_START_DATE	datetime		The Recovery Start Date for the Testing Payment Calculation
RECOVERY_END_DATE	datetime		The Recovery End Date for the Testing Payment Calculation

PARTICIPANT_ENERGY	numeric(18,8)		The Participant energy in MWh for the recovery period
REGION_ENERGY	numeric(18,8)		The RegionId energy in MWh for the recovery period
NEM_ENERGY	numeric(18,8)		The NEM energy in MWh for the recovery period
CUSTOMER_PROPORTION	numeric(18,8)		The Customer Proportion for recovery amount in Percent
GENERATOR_PROPORTION	numeric(18,8)		The Generator Proportion for recovery amount in Percent (100-Customer Portion)
PARTICIPANT_GENERATION	numeric(18,8)		The Participant Generation for the recovery period
NEM_GENERATION	numeric(18,8)		The NEM Generation for the recovery period
RECOVERY_AMOUNT	numeric(18,8)		The Total recovery amount for the billing week, being the sum of the customer and generator proportions for the PARTICIPANTID in REGIONID
LASTCHANGED	datetime		The Last Updated date and time

## 10.20 Table: BILLING\_NMAS\_TST\_RECVRY\_RBF

### 10.20.1 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.

### 10.20.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.20.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 REGIONID  
 SERVICE  
 WEEKNO

### 10.20.4 Index Columns

Name  
 LASTCHANGED

### 10.20.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1 January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1 January
BILLRUNNO	numeric(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	numeric(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	numeric(18,8)		The total Testing Payment Amount to recover from all benefitting regions
RECOVERY_AMOUNT	numeric(18,8)		The Testing Payment amount to recover from RegionId
LASTCHANGED	datetime		The Last Updated date and time

## 10.21 Table: BILLING\_NMAS\_TST\_RECVRY\_TRK

### 10.21.1 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.

### 10.21.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.21.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 RECOVERY\_BILLRUNNO  
 RECOVERY\_CONTRACTYEAR  
 RECOVERY\_WEEKNO  
 WEEKNO

### 10.21.4 Content

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

## 10.22 Table: BILLING\_RES\_TRADER\_PAYMENT

### 10.22.1 BILLING\_RES\_TRADER\_PAYMENT

Name	BILLING_RES_TRADER_PAYMENT
Comment	Billing result table for reserve trader contract payments

### 10.22.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.22.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 PARTICIPANTID  
 PAYMENT\_TYPE  
 WEEKNO

### 10.22.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week number
BILLRUNNO	numeric(3)	X	Billing run number
CONTRACTID	varchar(20)	X	Reserve trader contract identifier
PAYMENT_TYPE	varchar(40)	X	Payment type for the reserve trader contract payment amount
PARTICIPANTID	varchar(20)	X	Participant identifier associated with the contract
PAYMENT_AMOUNT	numeric(18,8)		Payment amount to the participant

## 10.23 Table: BILLING\_RES\_TRADER\_RECOVERY

### 10.23.1 BILLING\_RES\_TRADER\_RECOVERY

Name	BILLING_RES_TRADER_RECOVERY
Comment	Billing result table for reserve trader contract recovery

### 10.23.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.23.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.23.4 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week number
BILLRUNNO	numeric(3)	X	Billing run number
REGIONID	varchar(20)	X	Region id for the aggregated recovery amount
PARTICIPANTID	varchar(20)	X	Participant identifier
RECOVERY_AMOUNT	numeric(18,8)		Payment amount to be recovered from the participant

## 10.24 Table: BILLING\_SECDEP\_INTEREST\_PAY

### 10.24.1 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

### 10.24.2 Description

BILLING\_SECDEP\_INTEREST\_PAY data is confidential, and is available only to the relevant participant.

### 10.24.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.24.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 SECURITY\_DEPOSIT\_ID  
 WEEKNO

### 10.24.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	The billing contract year the SDA application is processed and interest calculated
WEEKNO	numeric(3,0)	X	The billing week no. the SDA application is processed and interest calculated
BILLRUNNO	numeric(3,0)	X	The billing run no. the SDA application is processed and interest calculated
SECURITY_DEPOSIT_ID	varchar(20)	X	The security deposit ID for which billing has calculated the Interest amount
PARTICIPANTID	varchar(20)	X	The participant ID of the security deposit for whom the interest is paid
INTEREST_AMOUNT	numeric(18,8)		The security deposit interest amount calculated by billing
INTEREST_CALC_TYPE	varchar(20)		FIXED or DAILY
INTEREST_ACCT_ID	varchar(20)		The interest account ID used by billing for calculating the interest. NULL if INTEREST_CALC_TYPE = FIXED
INTEREST_RATE	numeric(18,8)		The STATIC Interest Rate used by Billing for calculating the interest. This is NULL if INTEREST_CALC_TYPE <> FIXED

## 10.25 Table: BILLING\_SECDEP\_INTEREST\_RATE

### 10.25.1 BILLING\_SECDEP\_INTEREST\_RATE

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

### 10.25.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.25.3 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 EFFECTIVEDATE  
 INTEREST\_ACCT\_ID  
 WEEKNO

### 10.25.4 Content

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

## 10.26 Table: BILLING\_SECDEPOSIT\_APPLICATION

### 10.26.1 BILLING\_SECDEPOSIT\_APPLICATION

Name	BILLING_SECDEPOSIT_APPLICATION
Comment	The security deposit application details

### 10.26.2 Description

BILLING\_SECDEPOSIT\_APPLICATION data is confidential, and is available only to the relevant participant.

### 10.26.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.26.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 10.26.5 Content

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

## 10.27 Table: BILLINGAPCCOMPENSATION

### 10.27.1 BILLINGAPCCOMPENSATION

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

### 10.27.2 Description

Updated with each billing run

### 10.27.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.27.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.27.5 Index Columns

Name  
 LASTCHANGED

### 10.27.6 Content

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

## 10.28 Table: BILLINGAPCRECOVERY

### 10.28.1 BILLINGAPCRECOVERY

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

### 10.28.2 Description

#### Source

Obsolete; was updated weekly with each billing run.

### 10.28.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.28.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.28.5 Index Columns

Name  
 LASTCHANGED

### 10.28.6 Content

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

## 10.29 Table: BILLINGASPAYMENTS

### 10.29.1 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.

### 10.29.2 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.

### 10.29.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.29.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONNECTIONPOINTID  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 10.29.5 Index Columns

Name  
 LASTCHANGED

### 10.29.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	varchar(10)		Region Identifier
CONTRACTYEAR	numeric(4,0)	X	Contract Year
WEEKNO	numeric(3,0)	X	Week No
BILLRUNNO	numeric(3,0)	X	Billing Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
CONNECTIONPOINTID	varchar(10)	X	Connection point identifier
RAISE6SEC	numeric(15,5)		Raise 6 Sec Payments
LOWER6SEC	numeric(15,5)		Lower 6 Sec Payments

RAISE60SEC	numeric(15,5)		Raise 60 Sec Payments
LOWER60SEC	numeric(15,5)		Lower 60 Sec Payments
AGC	numeric(15,5)		AGC Payments
FCASCOMP	numeric(15,5)		Frequency Control Compensation Payments
LOADSHED	numeric(15,5)		Load Shed Payments
RGUL	numeric(15,5)		Rapid Generator unit Loading Payments
RGUU	numeric(15,5)		Rapid Generator Unit Unloading Payments
REACTIVEPOWER	numeric(15,5)		Reactive Power Payments
SYSTEMRESTART	numeric(15,5)		System Restart Payments
LASTCHANGED	datetime		The latest date and time that a file was updated or inserted
LOWER5MIN	numeric(15,5)		Lower 5 Minute Payment
RAISE5MIN	numeric(15,5)		Raise 5 Minute Payment
LOWERREG	numeric(15,5)		Lower 5 Minute Regulation Payment
RAISEREG	numeric(15,5)		Raise 5 Minute Regulation Payment
AVAILABILITY.REACTI.VE	numeric(18,8)		The total availability payment
AVAILABILITY.REACTI.VE_RBT	numeric(18,8)		The total availability payment rebate

## 10.30 Table: BILLINGASRECOVERY

### 10.30.1 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.

### 10.30.2 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.

### 10.30.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.30.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.30.5 Index Columns

Name  
 LASTCHANGED

### 10.30.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	varchar(10)	X	Region Identifier
CONTRACTYEAR	numeric(4,0)	X	Contract Year
WEEKNO	numeric(3,0)	X	Week No
BILLRUNNO	numeric(3,0)	X	Billing Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
RAISE6SEC	numeric(15,5)		Raise 6 Sec Recovery
LOWER6SEC	numeric(15,5)		Lower 6 Sec Recovery
RAISE60SEC	numeric(15,5)		Raise 60 Sec Recovery
LOWER60SEC	numeric(15,5)		Lower 60 Sec Recovery
AGC	numeric(15,5)		AGC Recovery - Not used since circa

			2000
FCASCOMP	numeric(15,5)		Frequency Control Compensation Recovery - Not used since circa 2000
LOADSHED	numeric(15,5)		Load Shed Recovery
RGUL	numeric(15,5)		Rapid Generator Unit Loading Recovery - Not used since December 2001
RGUU	numeric(15,5)		Rapid Generator Unit Unloading Recovery - Not used since December 2001
REACTIVEPOWER	numeric(15,5)		Reactive Power Recovery
SYSTEMRESTART	numeric(15,5)		System Restart Recovery
LASTCHANGED	datetime		The latest date and time a file was updated/inserted
RAISE6SEC_GEN	numeric(15,5)		Raise 6 Sec Recovery for Generator
LOWER6SEC_GEN	numeric(15,5)		Lower 6 Sec Recovery for Generator
RAISE60SEC_GEN	numeric(15,5)		Raise 60 Sec Recovery for Generator
LOWER60SEC_GEN	numeric(15,5)		Lower 60 Sec Recovery for Generator
AGC_GEN	numeric(15,5)		AGC Recovery for Generator
FCASCOMP_GEN	numeric(15,5)		Frequency Control Compensation Recovery for Generator
LOADSHED_GEN	numeric(15,5)		Load Shed Recovery for Generator
RGUL_GEN	numeric(15,5)		Rapid Generator unit Loading Recovery for Generator - Not used since December 2001
RGUU_GEN	numeric(15,5)		Rapid Generator Unit Unloading Recovery for Generator - Not used since December 2001
REACTIVEPOWER_GEN	numeric(15,5)		Reactive Power Recovery for Generator
SYSTEMRESTART_GEN	numeric(15,5)		System Restart Recovery for Generator
LOWER5MIN	numeric(15,5)		Recovery amount for the Lower 5 Minute service attributable to customer connection points
RAISE5MIN	numeric(15,5)		Recovery amount for the Raise 5 Minute service attributable to customer connection points
LOWERREG	numeric(15,5)		Recovery amount for the Lower Regulation service attributable to customer connection points
RAISEREG	numeric(15,5)		Recovery amount for the Raise Regulation Second service attributable to customer connection points
LOWER5MIN_GEN	numeric(16,6)		Recovery amount for the Lower 5 Minute service attributable to generator connection points
RAISE5MIN_GEN	numeric(16,6)		Recovery amount for the Raise 5 Minute service attributable to generator connection points
LOWERREG_GEN	numeric(16,6)		Recovery amount for the Lower Regulation service attributable to generator connection points
RAISEREG_GEN	numeric(16,6)		Recovery amount for the Raise Regulation Second service attributable to generator connection points
AVAILABILITY.REACTI.VE	numeric(18,8)		The total availability payment recovery amount (customer).
AVAILABILITY.REACTI.VE_RBT	numeric(18,8)		The total availability payment rebate recovery amount (customer).
AVAILABILITY.REACTI	numeric(18,8)		The total availability payment recovery

VE_GEN			amount (Generator).
AVAILABILITY_REACTI	numeric(18,8)		The total availability payment rebate
VE_RBT_GEN			recovery amount (Generator).

## 10.31 Table: BILLINGCPDATA

### 10.31.1 BILLINGCPDATA

Name	BILLINGCPDATA
Comment	BILLINGCPDATA shows energy quantity and \$ value purchased per participant connection point.

### 10.31.2 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.

### 10.31.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.31.4 Primary Key Columns

Name
BILLRUNNO
CONNECTIONPOINTID
CONTRACTYEAR
MDA
PARTICIPANTID
WEEKNO

### 10.31.5 Index Columns

Name
LASTCHANGED

### 10.31.6 Index Columns

Name
PARTICIPANTID

### 10.31.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week

			no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
CONNECTIONPOINTID	varchar(10)	X	Unique connection point identifier
AGGREGATEENERGY	numeric(16,6)		Aggregate energy purchased/sold by customer, in MWh
PURCHASES	numeric(16,6)		Value of energy purchased/sold by customer, in \$
LASTCHANGED	datetime		Last date and time record changed
MDA	varchar(10)	X	relevant MDA for this connection point.

## 10.32 Table: BILLINGDAYTRK

### 10.32.1 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.

### 10.32.2 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.

### 10.32.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.32.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 SETTLEMENTDATE  
 WEEKNO

### 10.32.5 Index Columns

Name  
 LASTCHANGED

### 10.32.6 Content

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



## 10.33 Table: BILLINGFEES

### 10.33.1 BILLINGFEES

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

### 10.33.2 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.

### 10.33.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.33.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
MARKETFEEID
PARTICIPANTCATEGORYID
PARTICIPANTID
WEEKNO

### 10.33.5 Index Columns

Name
LASTCHANGED

### 10.33.6 Index Columns

Name
PARTICIPANTID

### 10.33.7 Content

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

WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
MARKETFEEID	varchar(10)	X	Market fee identifier
RATE	numeric(15,5)		Market fee rate
ENERGY	numeric(16,6)		Energy, in MWh
VALUE	numeric(15,5)		Fee in \$
LASTCHANGED	datetime		Last date and time record changed
PARTICIPANTCATEGORYID	varchar(10)	X	The participant category pertaining to the market fee recovery. Corresponds to the PARTICIPANTCATEGORYID column of the SETMARKETFEES table.

## 10.34 Table: BILLINGFINANCIALADJUSTMENTS

### 10.34.1 BILLINGFINANCIALADJUSTMENTS

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

### 10.34.2 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.

### 10.34.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.34.4 Primary Key Columns

Name  
 ADJUSTMENTITEM  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 10.34.5 Index Columns

Name  
 LASTCHANGED

### 10.34.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PARTICIPANTTYPE	varchar(10)		Not Used
ADJUSTMENTITEM	varchar(64)	X	Description of the adjustment being made

AMOUNT	numeric(15,5)		The amount of the manual adjustment line item
VALUE	numeric(15,5)		Not Used
LASTCHANGED	datetime		Last date and time the record changed.
FINANCIALCODE	numeric(10,0)		The GL financial code of the manual adjustment line item. Used internally by AEMO systems.
BAS_CLASS	varchar(30)		The BAS classification of the manual adjustment line item.

## 10.35 Table: BILLINGGENDATA

### 10.35.1 BILLINGGENDATA

Name	BILLINGGENDATA
Comment	BILLINGGENDATA shows the total energy sold and purchased per participant transmission connection point for a billing period.

### 10.35.2 Description

BILLINGGENDATA data is confidential to 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 relevant participant.

### 10.35.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.35.4 Primary Key Columns

Name
BILLRUNNO
CONNECTIONPOINTID
CONTRACTYEAR
PARTICIPANTID
WEEKNO

### 10.35.5 Index Columns

Name
LASTCHANGED

### 10.35.6 Index Columns

Name
PARTICIPANTID

### 10.35.7 Content

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

WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
CONNECTIONPOINTID	varchar(10)	X	Connection point identifier
STATIONID	varchar(10)		not populated
DUID	varchar(10)		not populated
AGGREGATEENERGY	numeric(16,6)		Aggregate energy sold, in MWh
SALES	numeric(16,6)		\$ income
PURCHASES	numeric(16,6)		\$ outgoing
LASTCHANGED	datetime		Last date and time record changed
PURCHASEDENERGY	numeric(16,6)		Amount of energy purchased in MWh
MDA	varchar(10)		Metering Data Agent supplying data

## 10.36 Table: BILLINGINTERRESIDUES

### 10.36.1 BILLINGINTERRESIDUES

Name	BILLINGINTERRESIDUES
Comment	BILLINGINTERRESIDUES shows interregion residues payable to NSP.

### 10.36.2 Description

#### Source

Obsolete, was weekly with billing run.

### 10.36.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.36.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 INTERCONNECTORID  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 10.36.5 Index Columns

Name  
 LASTCHANGED

### 10.36.6 Content

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

## 10.37 Table: BILLINGINTRARESIDUES

### 10.37.1 BILLINGINTRARESIDUES

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

### 10.37.2 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.

### 10.37.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.37.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

### 10.37.5 Index Columns

Name
LASTCHANGED

### 10.37.6 Content

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

			Residues
LASTCHANGED	datetime		Last changed date
REGIONID	varchar(10)	X	Region ID

## 10.38 Table: BILLINGIRAUCSURPLUS

### 10.38.1 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.

### 10.38.2 Description

#### Source

Obsolete

#### Volume

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

### 10.38.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.38.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 WEEKNO

### 10.38.5 Index Columns

Name  
 LASTCHANGED

### 10.38.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	SRA Contracted Year (calendar year)
WEEKNO	numeric(2,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	numeric(4,0)		Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	numeric(2,0)		Residue Contract Quarter
BILLRUNNO	numeric(3,0)	X	The sequential number of a billing run
CONTRACTID	varchar(30)	X	SRA Contract unique identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector

FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
TOTALRESIDUES	numeric(15,5)		Total residues allocated to participant
ADJUSTMENT	numeric(15,5)		Adjustment allocated to participant
LASTCHANGED	datetime		Date and time this record was last modified

## 10.39 Table: BILLINGIRAUCSURPLUSUM

### 10.39.1 BILLINGIRAUCSURPLUSUM

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

### 10.39.2 Description

BILLINGIRAUCSURPLUSUM is confidential to the relevant participant.

#### Source

BILLINGIRAUCSURPLUSUM 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.

### 10.39.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.39.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 QUARTER  
 RESIDUEYEAR  
 WEEKNO

### 10.39.5 Index Columns

Name  
 LASTCHANGED

### 10.39.6 Content

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

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

## 10.40 Table: BILLINGIRFM

### 10.40.1 BILLINGIRFM

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

### 10.40.2 Description

BILLINGIRFM is confidential to the relevant participant.

#### Source

BILLINGIRFM is updated with each billing run as required.

### 10.40.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.40.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 10.40.5 Index Columns

Name  
 LASTCHANGED

### 10.40.6 Content

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

## 10.41 Table: BILLINGIRNSPSURPLUS

### 10.41.1 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).

### 10.41.2 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.

### 10.41.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.41.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 WEEKNO

### 10.41.5 Index Columns

Name  
 LASTCHANGED

### 10.41.6 Content

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

BILLRUNNO	numeric(3,0)	X	The sequential number of a billing run
CONTRACTID	varchar(30)	X	SRA Contract unique identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
TOTALRESIDUES	numeric(15,5)		Total residues allocated to participant
ADJUSTMENT	numeric(15,5)		Adjustment allocated to participant
LASTCHANGED	datetime		Date and time this record was last modified

## 10.42 Table: BILLINGIRNSPSURPLUSSUM

### 10.42.1 BILLINGIRNSPSURPLUSSUM

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

### 10.42.2 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.

### 10.42.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.42.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 QUARTER  
 RESIDUEYEAR  
 WEEKNO

### 10.42.5 Index Columns

Name  
 LASTCHANGED

### 10.42.6 Content

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

INTERCONNECTORID	varchar(10)	X	Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
PARTICIPANTID	varchar(10)	X	Unique participant identifier
TOTALSURPLUS	numeric(15,5)		Total residue amount allocated to participant
AUCTIONFEES	numeric(15,5)		This field is 0.
AUCTIONFEES_GST	numeric(15,5)		The GST amount on the auction fees, always being zero.
LASTCHANGED	datetime		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	numeric(18,8)		The CSP derogation amount applied as an adjustment to SRA.
UNADJUSTED_IRSR	numeric(18,8)		The SRA amount unadjusted by CSP.

## 10.43 Table: BILLINGIRPARTSURPLUS

### 10.43.1 BILLINGIRPARTSURPLUS

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

### 10.43.2 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.

### 10.43.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.43.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTID  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 WEEKNO

### 10.43.5 Index Columns

Name  
 LASTCHANGED

### 10.43.6 Content

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

CONTRACTID	varchar(30)	X	SRA Contract unique identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
TOTALRESIDUES	numeric(15,5)		Total residues allocated to participant
ADJUSTMENT	numeric(15,5)		Adjustment allocated to participant
LASTCHANGED	datetime		Date and time this record was last modified
ACTUALPAYMENT	numeric(15,5)		Net actual payment to participant, including auction fees

## 10.44 Table: BILLINGIRPARTSURPLUSUM

### 10.44.1 BILLINGIRPARTSURPLUSUM

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

### 10.44.2 Description

BILLINGIRPARTSURPLUSUM data is confidential to the relevant participant.

#### Source

BILLINGIRPARTSURPLUSUM 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.

### 10.44.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.44.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 QUARTER  
 RESIDUEYEAR  
 WEEKNO

### 10.44.5 Index Columns

Name  
 RESIDUEYEAR  
 QUARTER

### 10.44.6 Index Columns

Name  
 LASTCHANGED

### 10.44.7 Content

Name	Data Type	Mandatory	Comment

CONTRACTYEAR	numeric(4,0)	X	SRA Contracted Year (calendar year)
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
RESIDUEYEAR	numeric(4,0)	X	Year of the Residue Contract; may differ from the calendar year at week 1.
QUARTER	numeric(2,0)	X	Residue Contract Quarter
BILLRUNNO	numeric(3,0)	X	The sequential number of a billing run
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
PARTICIPANTID	varchar(10)	X	Unique participant identifier
TOTALSURPLUS	numeric(15,5)		Total residue amount allocated to participant
AUCTIONFEES	numeric(15,5)		Total auction fees payable in this week (negative amount). If AUCTIONFEES + AUCTIONFEES_GST >= TOTALSURPLUS then ACTUALPAYMENT is zero.
ACTUALPAYMENT	numeric(15,5)		Net payment to participant, including auction fees
AUCTIONFEES_GST	numeric(15,5)		The GST amount on the auction fees, always being zero.
LASTCHANGED	datetime		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	numeric(18,8)		The CSP derogation amount applied as an adjustment to SRA.
UNADJUSTED_IRSR	numeric(18,8)		The SRA amount unadjusted by CSP.

## 10.45 Table: BILLINGPRIORADJUSTMENTS

### 10.45.1 BILLINGPRIORADJUSTMENTS

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

### 10.45.2 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.

### 10.45.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.45.4 Primary Key Columns

Name
ADJBILLRUNNO
ADJCONTRACTYEAR
ADJWEEKNO
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

### 10.45.5 Index Columns

Name
LASTCHANGED

### 10.45.6 Index Columns

Name
PARTICIPANTID
LASTCHANGED

### 10.45.7 Content

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

## 10.46 Table: BILLINGREALLOC

### 10.46.1 BILLINGREALLOC

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

### 10.46.2 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.

### 10.46.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.46.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 COUNTERPARTY  
 PARTICIPANTID  
 WEEKNO

### 10.46.5 Index Columns

Name  
 LASTCHANGED

### 10.46.6 Index Columns

Name  
 PARTICIPANTID

### 10.46.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no

PARTICIPANTID	varchar(10)	X	Unique participant identifier
COUNTERPARTY	varchar(10)	X	Participant who is the counter party to this contract
VALUE	numeric(15,5)		Value billed on this contract
LASTCHANGED	datetime		Last date and time record changed

## 10.47 Table: BILLINGREALLOC\_DETAIL

### 10.47.1 BILLINGREALLOC\_DETAIL

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

### 10.47.2 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

### 10.47.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.47.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 COUNTERPARTY  
 PARTICIPANTID  
 REALLOCATIONID  
 WEEKNO

### 10.47.5 Index Columns

Name  
 LASTCHANGED

### 10.47.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	BILLING CONTRACTYEAR
WEEKNO	numeric(3,0)	X	BILLING WEEKNO
BILLRUNNO	numeric(3,0)	X	BILLING RUN NO
PARTICIPANTID	varchar(10)	X	REALLOCATION PARTICIPANTID
COUNTERPARTY	varchar(10)	X	REALLOCATION COUNTERPARTY PARTICIPANTID
REALLOCATIONID	varchar(20)	X	REALLOCATIONID
VALUE	numeric(15,5)		REALLOCATION VALUE
LASTCHANGED	datetime		DATETIME WHEN RECORD SAVED

## 10.48 Table: BILLINGREGIONEXPORTS

### 10.48.1 BILLINGREGIONEXPORTS

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

### 10.48.2 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.

### 10.48.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.48.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 EXPORTTO  
 REGIONID  
 WEEKNO

### 10.48.5 Index Columns

Name  
 LASTCHANGED

### 10.48.6 Content

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

SURPLUSVALUE	numeric(15,5)	\$ Interregional residue
LASTCHANGED	datetime	Last date and time record changed

## 10.49 Table: BILLINGREGIONFIGURES

### 10.49.1 BILLINGREGIONFIGURES

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

### 10.49.2 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.

### 10.49.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.49.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
REGIONID
WEEKNO

### 10.49.5 Index Columns

Name
LASTCHANGED

### 10.49.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
REGIONID	varchar(10)	X	Unique region identifier
ENERGYOUT	numeric(16,6)		MWh Energy output in the region during the billing period
VALUEOUT	numeric(16,6)		\$ Value of energy output in region during billing period
ENERGYPURCHASED	numeric(16,6)		MWh Amount of energy purchased in region during billing period
VALUEPURCHASED	numeric(16,6)		\$ Value of energy purchased during billing

			period
EXCESSGEN	numeric(16,6)		This field is populated with 0
RESERVETRADING	numeric(16,6)		This field is populated with 0
INTCOMPO	numeric(16,6)		This field is populated with 0
ADMINPRICECOMPO	numeric(16,6)		This field is populated with 0
SETTSURPLUS	numeric(16,6)		Intraregional residues in \$
ASPAYMENT	numeric(16,6)		Ancillary service payments in \$
POOLFEES	numeric(16,6)		This field is populated with 0
LASTCHANGED	datetime		Last date and time record changed

## 10.50 Table: BILLINGREGIONIMPORTS

### 10.50.1 BILLINGREGIONIMPORTS

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

### 10.50.2 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.

### 10.50.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.50.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 IMPORTFROM  
 REGIONID  
 WEEKNO

### 10.50.5 Index Columns

Name  
 LASTCHANGED

### 10.50.6 Content

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

LASTCHANGED	datetime	Last date and time record changed
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## 10.51 Table: BILLINGRUNTRK

### 10.51.1 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.

### 10.51.2 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.

### 10.51.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 10.51.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
WEEKNO

### 10.51.5 Index Columns

Name
LASTCHANGED

### 10.51.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	Year of the run
WEEKNO	numeric(3,0)	X	Week number of the run
BILLRUNNO	numeric(3,0)	X	Sequential run number
STATUS	varchar(6)		The billing run type, PRELIM, FINAL, REVISE or INTERIM
ADJ_CLEARED	varchar(1)		Flag
AUTHORISEDDATE	datetime		null, since not used
AUTHORISEDBY	varchar(10)		null, since not used
POSTDATE	datetime		When the results were posted
POSTBY	varchar(10)		Who posted the results
LASTCHANGED	datetime		Last date and time record changed

RECEIPTPOSTDATE	datetime		null, since not used
RECEIPTPOSTBY	varchar(10)		null, since not used
PAYMENTPOSTDATE	datetime		When the payment was posted
PAYMENTPOSTBY	varchar(10)		Who posted the payment
SHORTFALL	numeric(16,6)		Payment shortfall amount
MAKEUP	numeric(15,5)		Not Used

## 10.52 Table: BILLINGSMELTERREDUCTION

### 10.52.1 BILLINGSMELTERREDUCTION

Name	BILLINGSMELTERREDUCTION
Comment	BILLINGSMELTERREDUCTION shows the smelter reduction payment (only applies to participants with Victorian customer connection points).

### 10.52.2 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.

### 10.52.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.52.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

### 10.52.5 Index Columns

Name
PARTICIPANTID

### 10.52.6 Index Columns

Name
LASTCHANGED

### 10.52.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(22,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(22,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(22,0)	X	Unique run no within a given contract year and week no

PARTICIPANTID	varchar(10)	X	Unique participant identifier
RATE1	numeric(15,6)		Rate in \$/MWh
RA1	numeric(15,6)		Payment
RATE2	numeric(15,6)		Rate in \$/MWh
RA2	numeric(15,6)		Payment
TE	numeric(15,6)		Tabulated Energy
PCSD	numeric(15,6)		Victorian Demand as defined by Code Chapter 9 definitions
LASTCHANGED	datetime		Last date and time record changed

## 10.53 Table: BILLWHITEHOLE

### 10.53.1 BILLWHITEHOLE

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

### 10.53.2 Description

Confidential

#### Source

Obsolete; was updated weekly with each billing run.

### 10.53.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 10.53.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 INTERCONNECTORID  
 PARTICIPANTID  
 WEEKNO

### 10.53.5 Index Columns

Name  
 LASTCHANGED

### 10.53.6 Content

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

INTERCONNECTORID	varchar(10)	X	Interconnector ID
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## 11 Package: DEMAND\_FORECASTS

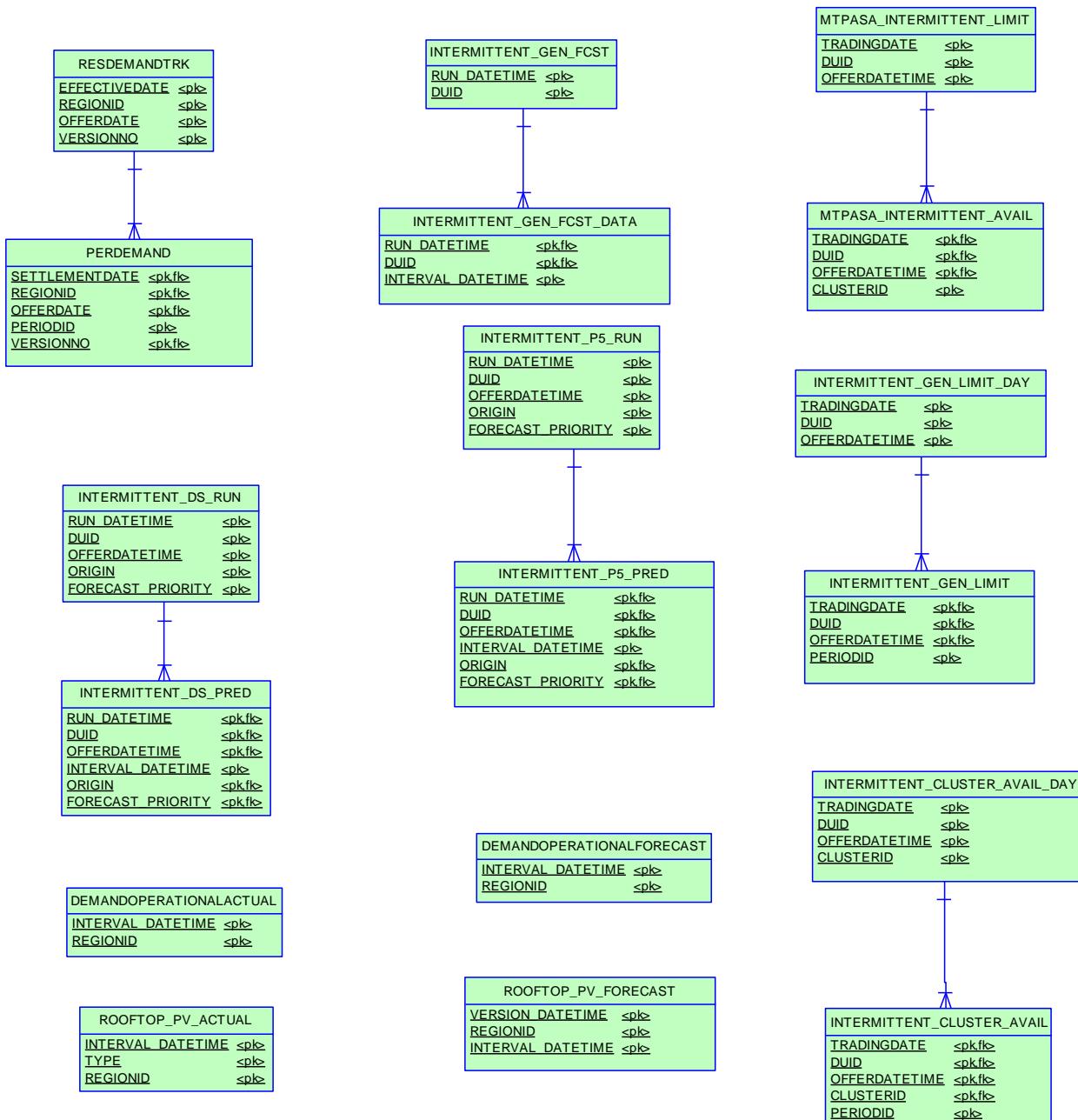
Name	DEMAND_FORECASTS
Comment	Regional Demand Forecasts and Intermittent Generation forecasts.

### 11.1 List of tables

Name	Comment
DEMANDOPERATIONALACTUAL	Shows Actual Operational Demand for a particular date time interval.
DEMANDOPERATIONALFORECAST	Shows Forecast Operational Demand for a particular date time interval.
INTERMITTENT_CLUSTER_AVAIL	A submission of Elements Unavailable for an intermittent generating unit cluster, by Trading Day and Trading Interval
INTERMITTENT_CLUSTER_AVAIL_DAY	Summary record for an Elements Unavailable submission for an intermittent generating unit cluster for a Trading Day
INTERMITTENT_DS_PRED	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch
INTERMITTENT_DS_RUN	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch.
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
INTERMITTENT_GEN_FCST_DATA	Stores the forecast generation (MW) for each interval within a given forecast of an intermittent generator.
INTERMITTENT_GEN_LIMIT	A submission of Upper MW Limit for an intermittent generating unit, by Trading Day and Trading Interval
INTERMITTENT_GEN_LIMIT_DAY	Summary record for an Upper MW Limit submission for an intermittent generating unit for a Trading Day
INTERMITTENT_P5_PRED	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch
INTERMITTENT_P5_RUN	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch
MTPASA_INTERMITTENT_AVAIL	A submission of expected plant availability for intermittent generators for use in MTPASA intermittent generation forecasts
MTPASA_INTERMITTENT_LIMIT	A submission of expected maximum availability for intermittent generators for use in MTPASA intermittent generation forecasts
PERDEMAND	PERDEMAND sets out the regional demands and MR schedule data for each half-hour period. PERDEMAND is a child table to RESDEMANDTRK.
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.
ROOFTOP_PV_ACTUAL	Estimate of regional Rooftop Solar actual generation for each half-hour interval in a day

ROOFTOP_PV_FORECAST	Regional forecasts of Rooftop Solar generation across the half-hour intervals over 8 days
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## 11.2 Diagram: Entities: Demand Forecasts



## 11.3 Table: DEMANDOPERATIONALACTUAL

### 11.3.1 DEMANDOPERATIONALACTUAL

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

### 11.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 11.3.3 Primary Key Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID

### 11.3.4 Index Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID

### 11.3.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	datetime	X	Date time interval for operational demand value
REGIONID	varchar(20)	X	Region identifier
OPERATIONAL_DEMAND	numeric(10,0)		Operational demand value
LASTCHANGED	datetime		Last date and time record changed

## 11.4 Table: DEMANDOPERATIONALFORECAST

### 11.4.1 DEMANDOPERATIONALFORECAST

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

### 11.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 11.4.3 Primary Key Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID

### 11.4.4 Index Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID

### 11.4.5 Content

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

## 11.5 Table: INTERMITTENT\_CLUSTER\_AVAIL

### 11.5.1 INTERMITTENT\_CLUSTER\_AVAIL

Name	INTERMITTENT_CLUSTER_AVAIL
Comment	A submission of Elements Unavailable for an intermittent generating unit cluster, by Trading Day and Trading Interval

### 11.5.2 Primary Key Columns

Name  
 CLUSTERID  
 DUID  
 OFFERDATETIME  
 PERIODID  
 TRADINGDATE

### 11.5.3 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	datetime	X	The trading day to which the availability submission applies
DUID	varchar(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	datetime	X	Date and Time when this cluster availability submission was loaded
CLUSTERID	varchar(20)	X	Unique Cluster Identifier for this cluster within the DUID
PERIODID	numeric(3,0)	X	Trading interval number (1...48) within this TRADINGDATE for which ELEMENTS_UNAVAILABLE applies
ELEMENTS_UNAVAILABLE	numeric(3,0)		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 ANEMOS). Value between 0 and the registered Number of Cluster Elements. Value = 0 means no elements unavailable

## 11.6 Table: INTERMITTENT\_CLUSTER\_AVAIL\_DAY

### 11.6.1 INTERMITTENT\_CLUSTER\_AVAIL\_DAY

Name	INTERMITTENT_CLUSTER_AVAIL_DAY
Comment	Summary record for an Elements Unavailable submission for an intermittent generating unit cluster for a Trading Day

### 11.6.2 Primary Key Columns

Name  
 CLUSTERID  
 DUID  
 OFFERDATETIME  
 TRADINGDATE

### 11.6.3 Content

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

## 11.7 Table: INTERMITTENT\_DS\_PRED

### 11.7.1 INTERMITTENT\_DS\_PRED

Name	INTERMITTENT_DS_PRED
Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch

### 11.7.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 11.7.3 Primary Key Columns

Name  
 DUID  
 FORECAST\_PRIORITY  
 INTERVAL\_DATETIME  
 OFFERDATETIME  
 ORIGIN  
 RUN\_DATETIME

### 11.7.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date and Time when the forecast applies (dispatch interval ending)
DUID	varchar(20)	X	DUID (or Area for non-scheduled) where this forecast applies
OFFERDATETIME	datetime	X	Date and Time when this forecast submission was loaded
INTERVAL_DATETIME	datetime	X	Date and Time when the forecast applies (dispatch interval ending)
ORIGIN	varchar(20)	X	Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor)
FORECAST_PRIORITY	numeric(10,0)	X	Unsuppressed forecasts with higher priority values are used in Dispatch in preference to unsuppressed forecasts with lower priority values
FORECAST_MEAN	numeric(18,8)		Forecast MW value for this interval_DateTime
FORECAST_POE10	numeric(18,8)		Forecast 10% POE MW value for this interval_DateTime
FORECAST_POE50	numeric(18,8)		Forecast 50% POE MW value for this interval_DateTime. Used in Dispatch.
FORECAST_POE90	numeric(18,8)		Forecast 90% POE MW value for this interval_DateTime

## 11.8 Table: INTERMITTENT\_DS\_RUN

### 11.8.1 INTERMITTENT\_DS\_RUN

Name	INTERMITTENT_DS_RUN
Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch.

### 11.8.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 11.8.3 Primary Key Columns

Name  
 DUID  
 FORECAST\_PRIORITY  
 OFFERDATETIME  
 ORIGIN  
 RUN\_DATETIME

### 11.8.4 Content

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

			suppressed =0
TRANSACTION_ID	varchar(100)		Uniquely identifies this interaction

## 11.9 Table: INTERMITTENT\_GEN\_FCST

### 11.9.1 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

### 11.9.2 Description

#### Source

INTERMITTENT\_GEN\_FCST updates every 30 minutes when AEMO issues a new 30-minute forecast of wind generation out to 40 hours ahead.

#### Volume

~18,000 rows per generator per year

### 11.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 11.9.4 Primary Key Columns

Name
DUID
RUN_DATETIME

### 11.9.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date Time of forecast (AEST).
DUID	varchar(20)	X	Identifier of the intermittent generator.
START_INTERVAL_DATETIME	datetime	X	Date Time (AEST) of the first half-hour interval being forecast.
END_INTERVAL_DATE TIME	datetime	X	Date Time (AEST) of the final half-hour interval being forecast.
VERSIONNO	numeric(10,0)		Versioning information for resolution back to AEMO's wind generation forecasting system.
LASTCHANGED	datetime		Date Time record was created

## 11.10 Table: INTERMITTENT\_GEN\_FCST\_DATA

### 11.10.1 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.

### 11.10.2 Description

#### Source

INTERMITTENT\_GEN\_FCST\_DATA updates every 30 minutes when AEMO issues a new 30-minute forecast of wind generation out to 40 hours ahead.

#### Volume

~1,500,000 rows per generator per year

### 11.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 11.10.4 Primary Key Columns

Name  
 DUID  
 INTERVAL\_DATETIME  
 RUN\_DATETIME

### 11.10.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	
DUID	varchar(20)	X	
INTERVAL_DATETIME	datetime	X	
POWERMEAN	numeric(9,3)		
POWERPOE50	numeric(9,3)		
POWERPOELOW	numeric(9,3)		
POWERPOEHIGH	numeric(9,3)		
LASTCHANGED	datetime		

## 11.11 Table: INTERMITTENT\_GEN\_LIMIT

### 11.11.1 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

### 11.11.2 Primary Key Columns

Name  
 DUID  
 OFFERDATETIME  
 PERIODID  
 TRADINGDATE

### 11.11.3 Content

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

## 11.12 Table: INTERMITTENT\_GEN\_LIMIT\_DAY

### 11.12.1 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

### 11.12.2 Primary Key Columns

Name  
 DUID  
 OFFERDATETIME  
 TRADINGDATE

### 11.12.3 Content

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

## 11.13 Table: INTERMITTENT\_P5\_PRED

### 11.13.1 INTERMITTENT\_P5\_PRED

Name	INTERMITTENT_P5_PRED
Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch

### 11.13.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 11.13.3 Primary Key Columns

Name  
 DUID  
 FORECAST\_PRIORITY  
 INTERVAL\_DATETIME  
 OFFERDATETIME  
 ORIGIN  
 RUN\_DATETIME

### 11.13.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date and Time of the first interval of 5-Minute Predispatch where the forecast applies (dispatch interval ending)
DUID	varchar(20)	X	DUID (or Area for non-scheduled) where this forecast applies
OFFERDATETIME	datetime	X	Date and Time when this forecast submission was loaded
INTERVAL_DATETIME	datetime	X	Interval within the current RUN_DATETIME where this forecast applies (dispatch interval ending)
ORIGIN	varchar(20)	X	Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor)
FORECAST_PRIORITY	numeric(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	numeric(18,8)		Forecast MW value for this interval_DateTime
FORECAST_POE10	numeric(18,8)		Forecast 10% POE MW value for this interval_DateTime
FORECAST_POE50	numeric(18,8)		Forecast 50% POE MW value for this interval_DateTime.
FORECAST_POE90	numeric(18,8)		Forecast 90% POE MW value for this interval_DateTime

## 11.14 Table: INTERMITTENT\_P5\_RUN

### 11.14.1 INTERMITTENT\_P5\_RUN

Name	INTERMITTENT_P5_RUN
Comment	Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch

### 11.14.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 11.14.3 Primary Key Columns

Name  
 DUID  
 FORECAST\_PRIORITY  
 OFFERDATETIME  
 ORIGIN  
 RUN\_DATETIME

### 11.14.4 Content

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

## 11.15 Table: MTPASA\_INTERMITTENT\_AVAIL

### 11.15.1 MTPASA\_INTERMITTENT\_AVAIL

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

### 11.15.2 Primary Key Columns

Name
CLUSTERID
DUID
OFFERDATETIME
TRADINGDATE

### 11.15.3 Content

Name	Data Type	Mandatory	Comment
TRADINGDATE	datetime	X	Trading Day for which this cluster availability submission applies
DUID	varchar(20)	X	Unique Identifier of Dispatchable Unit
OFFERDATETIME	datetime	X	Date and Time when this cluster availability submission was loaded
CLUSTERID	varchar(20)	X	Unique Cluster Identifier for this cluster within the DUID
LASTCHANGED	datetime		Last date and time record changed
ELEMENTS_UNAVAILABLE	numeric(3,0)		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.

## 11.16 Table: MTPASA\_INTERMITTENT\_LIMIT

### 11.16.1 MTPASA\_INTERMITTENT\_LIMIT

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

### 11.16.2 Primary Key Columns

Name
DUID
OFFERDATETIME
TRADINGDATE

### 11.16.3 Content

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

## 11.17 Table: PERDEMAND

### 11.17.1 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.

### 11.17.2 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

### 11.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 11.17.4 Primary Key Columns

Name  
 OFFERDATE  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 11.17.5 Index Columns

Name  
 LASTCHANGED

### 11.17.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime		Market date the forecast is made for. First date of the 7 days.
SETTLEMENTDATE	datetime	X	Market date of forecast up to 7 days ahead.
REGIONID	varchar(10)	X	Differentiates this region from all other regions
OFFERDATE	datetime	X	Date record issued
PERIODID	numeric(3,0)	X	Half hourly trading intervals from 04:30.
VERSIONNO	numeric(3,0)	X	The version of the RESDEMAND file for this date
RESDEMAND	numeric(10,0)		Base Demand forecast for period
DEMAND90PROBABILITY	numeric(10,0)		Demand at 90% probability of exceedance
DEMAND10PROBABILITY	numeric(10,0)		Demand level for a 10% probability of exceedance
LASTCHANGED	datetime		Last date and time record changed
MR_SCHEDULE	numeric(6,0)		MR_Schedule = Unrestricted Demand - POE

## 11.18 Table: RESDEMANDTRK

### 11.18.1 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.

### 11.18.2 Description

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

#### Source

RESDEMANDTRK updates are ad hoc.

#### Volume

27000 rows per year.

### 11.18.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 11.18.4 Primary Key Columns

Name
EFFEFFECTIVEDATE
OFFERDATE
REGIONID
VERSIONNO

### 11.18.5 Index Columns

Name
LASTCHANGED

### 11.18.6 Content

Name	Data Type	Mandatory	Comment
EFFEFFECTIVEDATE	datetime	X	Trading Date of the regional forecast
REGIONID	varchar(10)	X	Unique RegionID
OFFERDATE	datetime	X	Date the forecast was created
VERSIONNO	numeric(3,0)	X	Version of this forecast with respect to the

			Effectivedate and Offerdate
FILENAME	varchar(40)		Tracking purposes only
AUTHORISEDDATE	datetime		Date forecast authorised
AUTHORISEDBY	varchar(10)		Identifier of authorising user
LASTCHANGED	datetime		Date and time the record was last modified

## 11.19 Table: ROOFTOP\_PV\_ACTUAL

### 11.19.1 ROOFTOP\_PV\_ACTUAL

Name	ROOFTOP_PV_ACTUAL
Comment	Estimate of regional Rooftop Solar actual generation for each half-hour interval in a day

### 11.19.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 11.19.3 Primary Key Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID  
 TYPE

### 11.19.4 Index Columns

Name  
 INTERVAL\_DATETIME  
 TYPE  
 REGIONID

### 11.19.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	datetime	X	The forecast half-hour interval (time ending)
TYPE	varchar(20)	X	One of DAILY, MEASUREMENT or SATELLITE
REGIONID	varchar(20)	X	Region identifier
POWER	numeric(12,3)		Estimated generation in MW at the interval end
QI	numeric(2,1)		Quality indicator. Represents the quality of the estimate.
LASTCHANGED	datetime		Last date and time record changed

## 11.20 Table: ROOFTOP\_PV\_FORECAST

### 11.20.1 ROOFTOP\_PV\_FORECAST

Name	ROOFTOP_PV_FORECAST
Comment	Regional forecasts of Rooftop Solar generation across the half-hour intervals over 8 days

### 11.20.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 11.20.3 Primary Key Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID  
 VERSION\_DATETIME

### 11.20.4 Index Columns

Name  
 VERSION\_DATETIME  
 INTERVAL\_DATETIME  
 REGIONID

### 11.20.5 Content

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

## 12 Package: DISPATCH

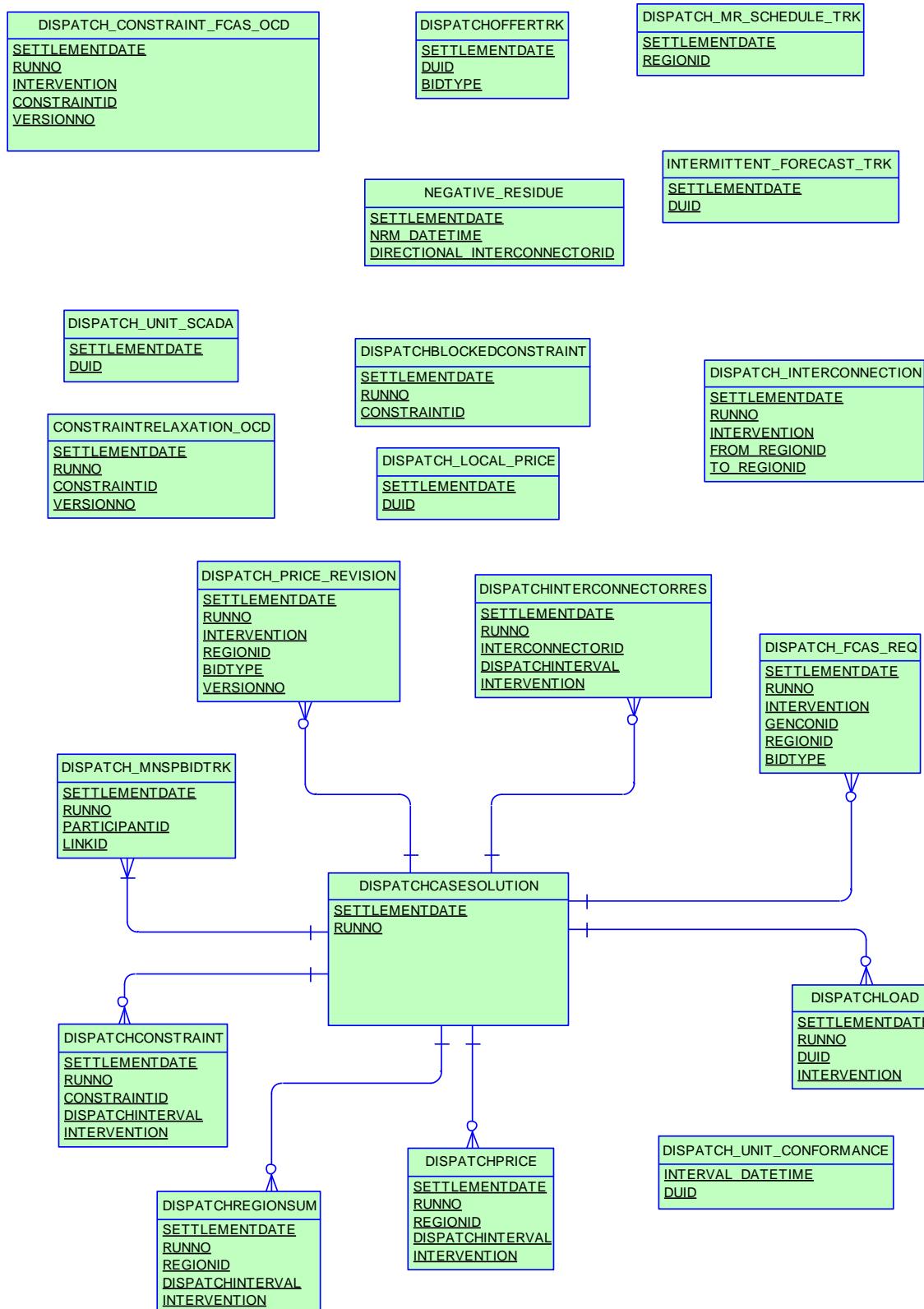
Name	DISPATCH
Comment	Results from a published Dispatch Run

### 12.1 List of tables

Name	Comment
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.
DISPATCH_CONSTRAINT_F_CAS_OCD	FCAS constraint solution from OCD re-run.
DISPATCH_FCAS_REQ	DISPATCH_FCAS_REQ shows Dispatch Constraint tracking for Regional FCAS recovery.
DISPATCH_INTERCONNECTION	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'
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
DISPATCH_MNSPBIDTRK	DISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each dispatch run for each MNSP Interconnector Link. DISPATCH_MNSPBIDTRK is the audit trail of the bids actually used for each dispatch run.
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.
DISPATCH_PRICE_REVISION	An audit trail of price changes on the DISPATCHPRICE table (i.e. for 5 minute dispatch prices for energy and FCAS).
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
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)
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.
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 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.
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.
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.
DISPATCHOFFERTRK	DISPATCHOFFERTRK is the energy and ancillary service bid tracking table for the Dispatch process. The table identifies which bids from BIDDAYOFFER and BIDPEROFFER were applied for a given unit and bid type for each dispatch interval.
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.
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.
INTERMITTENT_FORECAST_TRK	Uniquely tracks which Intermittent Generation forecast was used for the DUID in which Dispatch run
NEGATIVE_RESIDUE	Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon

## 12.2 Diagram: Entities: Dispatch



## 12.3 Table: CONSTRAINTRELAXATION\_OCD

### 12.3.1 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.

### 12.3.2 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.

### 12.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.3.4 Primary Key Columns

Name
CONSTRAINTID
RUNNO
SETTLEMENTDATE
VERSIONNO

### 12.3.5 Index Columns

Name
LASTCHANGED

### 12.3.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	End date and time of the dispatch interval
RUNNO	numeric(3,0)	X	Dispatch run no
CONSTRAINTID	varchar(20)	X	Constraint identifier

RHS	numeric(16,6)		Relaxed RHS used in attempt to avoid constraint violation
LASTCHANGED	datetime		Last date and time record changed
VERSIONNO	numeric(3,0)	X	Version Number

## 12.4 Table: DISPATCH\_CONSTRAINT\_FCAS\_OCD

### 12.4.1 DISPATCH\_CONSTRAINT\_FCAS\_OCD

Name	DISPATCH_CONSTRAINT_FCAS_OCD
Comment	FCAS constraint solution from OCD re-run.

### 12.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.4.3 Primary Key Columns

Name  
 CONSTRAINTID  
 INTERVENTION  
 RUNNO  
 SETTLEMENTDATE  
 VERSIONNO

### 12.4.4 Index Columns

Name  
 LASTCHANGED

### 12.4.5 Content

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

## 12.5 Table: DISPATCH\_FCAS\_REQ

### 12.5.1 DISPATCH\_FCAS\_REQ

Name	DISPATCH_FCAS_REQ
Comment	DISPATCH_FCAS_REQ shows Dispatch Constraint tracking for Regional FCAS recovery.

### 12.5.2 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

### 12.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.5.4 Primary Key Columns

Name  
 BIDTYPE  
 GENCONID  
 INTERVENTION  
 REGIONID  
 RUNNO  
 SETTLEMENTDATE

### 12.5.5 Index Columns

Name  
 LASTCHANGED

### 12.5.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date and time of Dispatch Interval
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
INTERVENTION	numeric(2,0)	X	Intervention Flag
GENCONID	varchar(20)	X	Generic Constraint ID - Join to table GenConData
REGIONID	varchar(10)	X	

BIDTYPE	varchar(10)	X	DUID offered type
GENCONEFFECTIVEDATE	datetime		Generic Constraint EffectiveDate - Join to table GenConData
GENCONVERSIONNO	numeric(3,0)		Generic Constraint Version number - Join to table GenConData
MARGINALVALUE	numeric(16,6)		
LASTCHANGED	datetime		Date record is changed
BASE_COST	numeric(18,8)		The base cost of the constraint for this service, before the regulation/contingency split
ADJUSTED_COST	numeric(18,8)		The adjusted cost of the constraint for this service, before the regulation/contingency split
ESTIMATED_CMPF	numeric(18,8)		An estimated value for the constraint CMPF, based on dispatched data
ESTIMATED_CRMPF	numeric(18,8)		An estimated value for the constraint CRMPF, based on dispatched data
RECOVERY_FACTOR_CMPF	numeric(18,8)		Estimated recovery factor for CMPF based recovery
RECOVERY_FACTOR_CRMPF	numeric(18,8)		Estimated recovery factor for CRMPF based recovery

## 12.6 Table: DISPATCH\_INTERCONNECTION

### 12.6.1 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'

### 12.6.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.6.3 Primary Key Columns

Name  
 FROM\_REGIONID  
 INTERVENTION  
 RUNNO  
 SETTLEMENTDATE  
 TO\_REGIONID

### 12.6.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
INTERVENTION	numeric(2,0)	X	Intervention case or not
FROM_REGIONID	varchar(20)	X	Nominated RegionID from which the energy flows
TO_REGIONID	varchar(20)	X	Nominated RegionID to which the energy flows
DISPATCHINTERVAL	numeric(22,0)		Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP
IRLF	numeric(15,5)		Inter-Regional Loss Factor. Calculated based on the MWFLOW and the nominal From and To Region losses.
MWFLOW	numeric(16,6)		Summed MW flow of the parallel regulated Interconnectors
METEREDMWFLOW	numeric(16,6)		Summed Metered MW flow of the parallel regulated Interconnectors
FROM_REGION_MW_LOSESSES	numeric(16,6)		Losses across the Interconnection attributable to the nominal From Region
TO_REGION_MW_LOSESSES	numeric(16,6)		Losses across the Interconnection attributable to the nominal To Region
LASTCHANGED	datetime		The datetime that the record was last changed

## 12.7 Table: DISPATCH\_LOCAL\_PRICE

### 12.7.1 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

### 12.7.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 12.7.3 Primary Key Columns

Name  
DUID  
SETTLEMENTDATE

### 12.7.4 Index Columns

Name  
SETTLEMENTDATE  
DUID

### 12.7.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date time starting at 04:05
DUID	varchar(20)	X	Dispatchable unit identifier
LOCAL_PRICE_ADJUSTMENT	numeric(10,2)		Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints
LOCALLY_CONSTRAINED	numeric(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

## 12.8 Table: DISPATCH\_MNSPBIDTRK

### 12.8.1 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. DISPATCH_MNSPBIDTRK is the audit trail of the bids actually used for each dispatch run.

### 12.8.2 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

### 12.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 12.8.4 Primary Key Columns

Name  
 LINKID  
 PARTICIPANTID  
 RUNNO  
 SETTLEMENTDATE

### 12.8.5 Index Columns

Name  
 LASTCHANGED

### 12.8.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
PARTICIPANTID	varchar(10)	X	Participant that owns unit during effective record period
LINKID	varchar(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
OFFERSETTLEMENTDATE	datetime		Offer date for bid
OFFEREFFECTIVEDATE	datetime		Date the bid/offer becomes effective

OFFERVERSIONNO	numeric(3,0)		VersionNo of the bid/offer used
LASTCHANGED	datetime		Record creation timestamp

## 12.9 Table: DISPATCH\_MR\_SCHEDULE\_TRK

### 12.9.1 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.

### 12.9.2 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.

### 12.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.9.4 Primary Key Columns

Name
REGIONID
SETTLEMENTDATE

### 12.9.5 Index Columns

Name
LASTCHANGED

### 12.9.6 Content

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

		inserted/modified
--	--	-------------------

## 12.10 Table: DISPATCH\_PRICE\_REVISION

### 12.10.1 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).

### 12.10.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.10.3 Primary Key Columns

Name  
 BIDTYPE  
 INTERVENTION  
 REGIONID  
 RUNNO  
 SETTLEMENTDATE  
 VERSIONNO

### 12.10.4 Index Columns

Name  
 LASTCHANGED

### 12.10.5 Content

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

## 12.11 Table: DISPATCH\_UNIT\_CONFORMANCE

### 12.11.1 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

### 12.11.2 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

### 12.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 12.11.4 Primary Key Columns

Name
DUID
INTERVAL_DATETIME

### 12.11.5 Index Columns

Name
LASTCHANGED

### 12.11.6 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	datetime	X	Dispatch Interval that the conformance data applies to
DUID	varchar(20)	X	Dispatchable Unit Identifier
TOTALCleared	numeric(16,6)		Dispatch Target - MW
ACTUALMW	numeric(16,6)		Unit output measured at the conclusion of the dispatch interval - MW (MWB)
ROC	numeric(16,6)		Rate of Change in direction of error MW per hour
AVAILABILITY	numeric(16,6)		Offered unit capacity - MW (MWO)
LOWERREG	numeric(16,6)		Lower Regulation FCAS enabled - MW (FCL)
RAISEREG	numeric(16,6)		Raise Regulation FCAS enabled - MW (FCR)
STRIGLM	numeric(16,6)		Calculated small trigger error limit in MW

LTRIGLM	numeric(16,6)		Calculated large trigger error limit in MW
MWERROR	numeric(16,6)		Calculated actual error
MAX_MWERROR	numeric(16,6)		Max of mwerror while that unit was not in a normal state
LECOUNT	numeric(6)		Large trigger error count. Reset when mwerror changes sign
SECOUNT	numeric(6)		Small trigger error count. Reset when mwerror changes sign
STATUS	varchar(20)		Unit conformance status. NORMAL OFF-TARGET NOT-RESPONDING NC-PENDING NON-CONFORMING SUSPENDED
PARTICIPANT_STATUS_ACTION	varchar(100)		Participant action required in response to current STATUS
OPERATING_MODE	varchar(20)		conformance operating mode MANUAL AUTO
LASTCHANGED	datetime		Last date and time record changed

## 12.12 Table: DISPATCH\_UNIT\_SCADA

### 12.12.1 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)

### 12.12.2 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)

### 12.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.12.4 Primary Key Columns

Name  
DUID  
SETTLEMENTDATE

### 12.12.5 Index Columns

Name  
SETTLEMENTDATE  
DUID

### 12.12.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Date Time of the Dispatch Interval
DUID	varchar(20)	X	Dispatchable Unit Identifier
SCADAVALUE	numeric(16,6)		Instantaneous MW reading from SCADA at the start of the Dispatch interval

## 12.13 Table: DISPATCHBLOCKEDCONSTRAINT

### 12.13.1 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.

### 12.13.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.13.3 Primary Key Columns

Name  
 CONSTRAINTID  
 RUNNO  
 SETTLEMENTDATE

### 12.13.4 Content

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

## 12.14 Table: DISPATCHCASESOLUTION

### 12.14.1 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.

### 12.14.2 Description

The DISPATCHCASESOLUTION data is public.

#### Source

DISPATCHCASESOLUTION updates every 5 minutes.

#### Volume

Approximately 288 records per day.

### 12.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.14.4 Primary Key Columns

Name
RUNNO
SETTLEMENTDATE

### 12.14.5 Index Columns

Name
LASTCHANGED

### 12.14.6 Content

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

			* 1 = Supply Scarcity, Excess generation or constraint violations * X = Model failure
SPDVERSION	varchar(20)		Current version of SPD
NONPHYSICALLOSSES	numeric(1,0)		Non-Physical Losses algorithm invoked occurred during this run
TOTALOBJECTIVE	numeric(27,10)		The Objective function from the LP
TOTALAREAGENVIOLATION	numeric(15,5)		Total Region Demand violations
TOTALINTERCONNECTORVIOLATION	numeric(15,5)		Total interconnector violations
TOTALGENERICVIOLATION	numeric(15,5)		Total generic constraint violations
TOTALRAMPRATEVIOLATION	numeric(15,5)		Total ramp rate violations
TOTALUNITMWCAPACITYVIOLATION	numeric(15,5)		Total unit capacity violations
TOTAL5MINVIOLATION	numeric(15,5)		Total of 5 minute ancillary service region violations
TOTALREGVIOLATION	numeric(15,5)		Total of Regulation ancillary service region violations
TOTAL6SECVIOLATION	numeric(15,5)		Total of 6 second ancillary service region violations
TOTAL60SECVIOLATION	numeric(15,5)		Total of 60 second ancillary service region violations
TOTALASPROFILEVIOLATION	numeric(15,5)		Total of ancillary service trader profile violations
TOTALFASTSTARTVIOLATION	numeric(15,5)		Total of fast start trader profile violations
TOTALENERGYOFFERVIOLATION	numeric(15,5)		Total of unit summated offer band violations
LASTCHANGED	datetime		Last date and time record changed
SWITCHRUNINITIALSTATUS	numeric(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	numeric(1,0)		Flag indicating which Switch run was used for the Solution – from PeriodSolution
SWITCHRUNBESTSTATUS_INT	numeric(1,0)		Flag indicating which Switch run was used for the Intervention Physical Solution - from PeriodSolution

## 12.15 Table: DISPATCHCONSTRAINT

### 12.15.1 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.

### 12.15.2 Description

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

#### Source

DISPATCHCONSTRAINT updates every five minutes.

### 12.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 12.15.4 Primary Key Columns

Name  
 CONSTRAINTID  
 DISPATCHINTERVAL  
 INTERVENTION  
 RUNNO  
 SETTLEMENTDATE

### 12.15.5 Index Columns

Name  
 LASTCHANGED

### 12.15.6 Index Columns

Name  
 SETTLEMENTDATE

### 12.15.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
CONSTRAINTID	varchar(20)	X	Generic Constraint identifier (synonymous with GenConID)
DISPATCHINTERVAL	numeric(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	numeric(2,0)	X	Manual Intervention flag, which, if set (1), causes predispatch to solve twice.

RHS	numeric(15,5)		Right hand Side value as used in dispatch.
MARGINALVALUE	numeric(15,5)		\$ Value of binding constraint
VIOLATIONDEGREE	numeric(15,5)		Degree of violation in MW
LASTCHANGED	datetime		Last date and time record changed
DUID	varchar(20)		DUID to which the Constraint is confidential. Null denotes non-confidential
GENCONID_EFFECTIVE_DATE	datetime		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	numeric(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	numeric(15,5)		Aggregation of the constraints LHS term solution values

## 12.16 Table: DISPATCHINTERCONNECTORRES

### 12.16.1 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.

### 12.16.2 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.

### 12.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.16.4 Primary Key Columns

Name
DISPATCHINTERVAL
INTERCONNECTORID
INTERVENTION
RUNNO
SETTLEMENTDATE

### 12.16.5 Index Columns

Name
LASTCHANGED

### 12.16.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
INTERCONNECTORID	varchar(10)	X	Interconnector identifier
DISPATCHINTERVAL	numeric(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	numeric(2,0)	X	Intervention case or not
METEREDMWFLOW	numeric(15,5)		Metered MW Flow from SCADA.

MWFLOW	numeric(15,5)		Target MW Flow for next 5 mins.
MWLOSSES	numeric(15,5)		Calculated MW Losses
MARGINALVALUE	numeric(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	numeric(15,5)		Degree of violation on interconnector constraints
LASTCHANGED	datetime		Last changed.
EXPORTLIMIT	numeric(15,5)		Calculated export limit applying to energy only.
IMPORTLIMIT	numeric(15,5)		Calculated import limit applying to energy only.
MARGINALLOSS	numeric(15,5)		Marginal loss factor. Use this to adjust prices between regions.
EXPORTGENCONID	varchar(20)		Generic Constraint setting the export limit
IMPORTGENCONID	varchar(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	numeric(15,5)		Calculated export limit applying to energy + FCAS.
FCASIMPORTLIMIT	numeric(15,5)		Calculated import limit applying to energy + FCAS.
LOCAL_PRICE_ADJUSTMENT_EXPORT	numeric(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor $\geq 0$ )
LOCALLY_CONSTRAIN_ED_EXPORT	numeric(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	numeric(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor $\geq 0$ )
LOCALLY_CONSTRAIN_ED_IMPORT	numeric(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

## 12.17 Table: DISPATCHLOAD

### 12.17.1 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.

### 12.17.2 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 (i.e. is unavailable).
1	001	Not stranded, not trapped, is enabled (i.e. available).
3	011	Not stranded, is trapped, is enabled (i.e. trapped).
4	100	Is stranded, not trapped, not enabled (i.e. stranded).

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.

### 12.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

#### 12.17.4 Primary Key Columns

Name  
 DUID  
 INTERVENTION  
 RUNNO  
 SETTLEMENTDATE

#### 12.17.5 Index Columns

Name  
 LASTCHANGED

#### 12.17.6 Index Columns

Name  
 DUID  
 LASTCHANGED

#### 12.17.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date and time starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
DUID	varchar(10)	X	Dispatchable unit identifier
TRADETYPE	numeric(2,0)		Not used
DISPATCHINTERVAL	numeric(22,0)		Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	numeric(2,0)	X	Intervention flag if intervention run
CONNECTIONPOINTID	varchar(12)		Connection point identifier for DUID
DISPATCHMODE	numeric(2,0)		Dispatch mode for fast start plant (0 to 4).
AGCSTATUS	numeric(2,0)		AGC Status from EMS * 1 = on * 0 = off
INITIALMW	numeric(15,5)		Initial MW at start of period
TOTALCleared	numeric(15,5)		Target MW for end of period
RAMPDOWNRATE	numeric(15,5)		Ramp down rate used in dispatch (lesser of bid or telemetered rate).
RAMPUPRATE	numeric(15,5)		Ramp up rate (lesser of bid or telemetered rate).
LOWER5MIN	numeric(15,5)		Lower 5 min reserve target
LOWER60SEC	numeric(15,5)		Lower 60 sec reserve target
LOWER6SEC	numeric(15,5)		Lower 6 sec reserve target
RAISE5MIN	numeric(15,5)		Raise 5 min reserve target
RAISE60SEC	numeric(15,5)		Raise 60 sec reserve target
RAISE6SEC	numeric(15,5)		Raise 6 sec reserve target
DNNEPF	numeric(15,5)		Not Used
UPEPF	numeric(15,5)		Not Used
MARGINAL5MINVALUE	numeric(15,5)		Marginal \$ value for 5 min
MARGINAL60SECVALU E	numeric(15,5)		Marginal \$ value for 60 seconds
MARGINAL6SECVALUE	numeric(15,5)		Marginal \$ value for 6 seconds
MARGINALVALUE	numeric(15,5)		Marginal \$ value for energy
VIOLATION5MINDEGRE E	numeric(15,5)		Violation MW 5 min
VIOLATION60SECDEG REE	numeric(15,5)		Violation MW 60 seconds

VIOLATION6SECDEGR EE	numeric(15,5)		Violation MW 6 seconds
VIOLATIONDEGREE	numeric(15,5)		Violation MW energy
LASTCHANGED	datetime		Last date and time record changed
LOWERREG	numeric(15,5)		Lower Regulation reserve target
RAISEREG	numeric(15,5)		Raise Regulation reserve target
AVAILABILITY	numeric(15,5)		Bid energy availability
RAISE6SECFLAGS	numeric(3,0)		Raise 6sec status flag - see
RAISE60SECFLAGS	numeric(3,0)		Raise 60sec status flag - see
RAISE5MINFLAGS	numeric(3,0)		
RAISEREGFLAGS	numeric(3,0)		Raise Reg status flag - see
LOWER6SECFLAGS	numeric(3,0)		Lower 6sec status flag - see
LOWER60SECFLAGS	numeric(3,0)		Lower 60sec status flag
LOWER5MINFLAGS	numeric(3,0)		Lower 5min status flag
LOWERREGFLAGS	numeric(3,0)		Lower Reg status flag - see
RAISEREGAVAILABILIT Y	numeric(15,5)		RaiseReg availability - minimum of bid and telemetered value
RAISEREGENABLEMEN TMAX	numeric(15,5)		RaiseReg enablement max point - minimum of bid and telemetered value
RAISEREGENABLEMEN TMIN	numeric(15,5)		RaiseReg Enablement Min point - maximum of bid and telemetered value
LOWERREGAVAILABILI TY	numeric(15,5)		Lower Reg availability - minimum of bid and telemetered value
LOWERREGENABLEME NTMAX	numeric(15,5)		Lower Reg enablement Max point - minimum of bid and telemetered value
LOWERREGENABLEME NTMIN	numeric(15,5)		Lower Reg Enablement Min point - maximum of bid and telemetered value
RAISE6SECACTUALAV AILABILITY	numeric(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALA VAILABILITY	numeric(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAV AILABILITY	numeric(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVA ILABILITY	numeric(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALA VAILABILITY	numeric(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUAL AVAILABILITY	numeric(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAV AILABILITY	numeric(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAV AILABILITY	numeric(16,6)		trapezium adjusted lower reg availability
SEMDISPATCHCAP	numeric(3,0)		Boolean representation flagging if the Target is Capped

## 12.18 Table: DISPATCHOFFERTRK

### 12.18.1 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 BIDPEROFFER were applied for a given unit and bid type for each dispatch interval.

### 12.18.2 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.

### 12.18.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 12.18.4 Primary Key Columns

Name
BIDTYPE
DUID
SETTLEMENTDATE

### 12.18.5 Index Columns

Name
LASTCHANGED

### 12.18.6 Index Columns

Name
DUID
LASTCHANGED

### 12.18.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Date and time of the dispatch interval (e.g. five minute dispatch interval ending 28/09/2000 16:35)
DUID	varchar(10)	X	Dispatchable unit identifier

BIDTYPE	varchar(10)	X	Bid type Identifier - the ancillary service to which the bid applies
BIDSETTLEMENTDATE	datetime		Settlement date of bid applied
BIDOFFERDATE	datetime		Offer date of bid applied
LASTCHANGED	datetime		Last date and time record changed

## 12.19 Table: DISPATCHPRICE

### 12.19.1 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.

### 12.19.2 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)

### 12.19.3 Notes

Name Visibility	Comment Data in this table is:	Value Public
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### 12.19.4 Primary Key Columns

Name  
DISPATCHINTERVAL  
INTERVENTION  
REGIONID

RUNNO  
SETTLEMENTDATE

### 12.19.5 Index Columns

Name  
LASTCHANGED

### 12.19.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date and time starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
REGIONID	varchar(10)	X	Region Identifier
DISPATCHINTERVAL	varchar(22)	X	Dispatch interval identifier 001 to 288 in format YYYYMMDDPPP
INTERVENTION	numeric(2,0)	X	Manual intervention flag
RRP	numeric(15,5)		Regional Reference Price for this dispatch period. RRP is the price used to settle the market
EEP	numeric(15,5)		Excess energy price - no longer used
ROP	numeric(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	numeric(3,0)		APC Active flag (see note)
MARKETSUSPENDEDFLAG	numeric(3,0)		Market suspended flag
LASTCHANGED	datetime		Last date and time record changed
RAISE6SECRRP	numeric(15,5)		
RAISE6SECROP	numeric(15,5)		
RAISE6SECAPCFLAG	numeric(3,0)		
RAISE60SECRRP	numeric(15,5)		
RAISE60SECROP	numeric(15,5)		
RAISE60SECAPCFLAG	numeric(3,0)		
RAISE5MINRRP	numeric(15,5)		
RAISE5MINROP	numeric(15,5)		
RAISE5MINAPCFLAG	numeric(3,0)		
RAISEREGRRP	numeric(15,5)		
RAISEREGROP	numeric(15,5)		
RAISEREGAPCFLAG	numeric(3,0)		
LOWER6SECRRP	numeric(15,5)		
LOWER6SECROP	numeric(15,5)		
LOWER6SECAPCFLAG	numeric(3,0)		
LOWER60SECRRP	numeric(15,5)		
LOWER60SECROP	numeric(15,5)		
LOWER60SECAPCFLAG	numeric(3,0)		
LOWER5MINRRP	numeric(15,5)		
LOWER5MINROP	numeric(15,5)		
LOWER5MINAPCFLAG	numeric(3,0)		
LOWERREGRRP	numeric(15,5)		
LOWERREGROP	numeric(15,5)		
LOWERREGAPCFLAG	numeric(3,0)		
PRICE_STATUS	varchar(20)		Status of regional prices for this dispatch

			interval "NOT FIRM" or "FIRM"
PRE_AP_ENERGY_PRI_CE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISE6_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISE60_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISE5MIN_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_RAISEREG_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWER6_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWER60_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWER5MIN_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
PRE_AP_LOWERREG_PRICE	numeric(15,5)		Price before ap capping or scaling - for rolling sum price monitoring
CUMUL_PRE_AP_ENERGY_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISE6_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISE60_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISE5MIN_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_RAISEREG_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER6_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER60_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWER5MIN_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
CUMUL_PRE_AP_LOWERREG_PRICE	numeric(15,5)		Cumulative price that triggers administered pricing event if above the threshold
OCD_STATUS	varchar(14)		Communicates the current OCD status for this dispatch interval. Values of: 'NOT_OCD', 'OCD_UNRESOLVED', 'OCD_RESOLVED'.
MII_STATUS	varchar(21)		Communicates the current MII status for this dispatch interval. Values of: 'NOT_MII', 'MII SUBJECT_TO REVIEW', 'MII PRICE_REJECTED', 'MII PRICE ACCEPTED'.

## 12.20 Table: DISPATCHREGIONSUM

### 12.20.1 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.

### 12.20.2 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).

### 12.20.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.20.4 Primary Key Columns

Name  
 DISPATCHINTERVAL  
 INTERVENTION  
 REGIONID  
 RUNNO  
 SETTLEMENTDATE

### 12.20.5 Index Columns

Name  
 LASTCHANGED

### 12.20.6 Content

Name	Data Type	Mandatory	Comment

SETTLEMENTDATE	datetime	X	Market date and time starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
REGIONID	varchar(10)	X	Region Identifier
DISPATCHINTERVAL	numeric(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	numeric(2,0)	X	Manual Intervention flag
TOTALDEMAND	numeric(15,5)		Demand (less loads)
AVAILABLEGENERATION	numeric(15,5)		Aggregate generation bid available in region
AVAILABLELOAD	numeric(15,5)		Aggregate load bid available in region
DEMANDFORECAST	numeric(15,5)		5 minute forecast adjust
DISPATCHABLEGENERATION	numeric(15,5)		Dispatched Generation
DISPATCHABLELOAD	numeric(15,5)		Dispatched Load (add to total demand to get inherent region demand).
NETINTERCHANGE	numeric(15,5)		Net interconnector flow from the regional reference node
EXCESSGENERATION	numeric(15,5)		MW quantity of excess
LOWER5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	numeric(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 5 min
LOWER5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 5 min
LOWER5MINREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER5MINSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 5 min
LOWER60SECDISPATC H	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW imported
LOWER60SECLOCALDISPATCH	numeric(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 60 sec
LOWER60SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec local requirement
LOWER60SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 60 sec
LOWER60SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER60SECSUPPLY PRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 60 sec
LOWER6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	numeric(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 6 sec
LOWER6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec

Q			local requirement
LOWER6SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 6 sec
LOWER6SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
LOWER6SECSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 6 sec
RAISE5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW dispatch
RAISE5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	numeric(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Raise price of lower 5 min
RAISE5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min local requirement
RAISE5MINPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 5 min
RAISE5MINREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE5MINSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 5 min
RAISE60SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	numeric(15,5)		Raise 60 sec local dispatch
RAISE60SECLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Local price of raise 60 sec
RAISE60SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 60 sec
RAISE60SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE60SECSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 60 sec
RAISE6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISPATCH	numeric(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Local price of raise 6 sec
RAISE6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 6 sec
RAISE6SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
RAISE6SECSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 6 sec
AGGEGATEDISPATCHERROR	numeric(15,5)		Calculated dispatch error
AGGREGATEDISPATCHERROR	numeric(15,5)		Calculated dispatch error
LASTCHANGED	datetime		Last date and time record changed

INITIALSUPPLY	numeric(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	numeric(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	numeric(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGLOCALDISPATCH	numeric(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	numeric(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGLOCALDISPATCH	numeric(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
RAISE6SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise reg availability

LOWER6SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower reg availability
LORSURPLUS	numeric(16,6)		Not in use after 17 Feb 2006. Total short term generation capacity reserve used in assessing lack of reserve condition
LRCSURPLUS	numeric(16,6)		Not in use after 17 Feb 2006. Total short term generation capacity reserve above the stated low reserve condition requirement
TOTALINTERMITTENTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMICCHEDULE_CLEAREDMW	numeric(15,5)		Regional aggregated Semi-Schedule generator Cleared MW
SEMICCHEDULE_COMPLIANCEMW	numeric(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced

## 12.21 Table: INTERMITTENT\_FORECAST\_TRK

### 12.21.1 INTERMITTENT\_FORECAST\_TRK

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

### 12.21.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.21.3 Primary Key Columns

Name
DUID
SETTLEMENTDATE

### 12.21.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	DateTime of the Dispatch run (dispatch interval ending)
DUID	varchar(20)	X	Tracks to INTERMITTENT_DS_RUN.DUID
ORIGIN	varchar(20)		Tracks to INTERMITTENT_DS_RUN.ORIGIN, SCADA is written to ORIGIN if no forecast is discovered.
FORECAST_PRIORITY	numeric(10,0)		Tracks to INTERMITTENT_DS_RUN.FORECAST_PRIORITY - except for -1 and 0, which denote "Last Target" and "SCADA" respectively
OFFERDATETIME	datetime		Tracks to INTERMITTENT_DS_RUN.OFFERDATE TIME

## 12.22 Table: NEGATIVE\_RESIDUE

### 12.22.1 NEGATIVE\_RESIDUE

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

### 12.22.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 12.22.3 Primary Key Columns

Name  
 DIRECTIONAL\_INTERCONNECTORID  
 NRM\_DATETIME  
 SETTLEMENTDATE

### 12.22.4 Index Columns

Name  
 SETTLEMENTDATE  
 NRM\_DATETIME  
 DIRECTIONAL\_INTERCONNECTORID

### 12.22.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Dispatch Interval
NRM_DATETIME	datetime	X	The time that residue information is processed
DIRECTIONAL_INTERC ONNECTORID	varchar(30)	X	Negative residue related direction interconnector id
NRM_ACTIVATED_FLA G	numeric(1,0)		Is 1 if negative residue process is on, else is 0
CUMUL_NEGRESIDUE_ AMOUNT	numeric(15,5)		Negative residue triggering amount
CUMUL_NEGRESIDUE_ PREV_TI	numeric(15,5)		Previous trading interval cumulative negative residue amount
NEGRESIDUE_CURRE NT_TI	numeric(15,5)		Current trading interval negative residue amount
NEGRESIDUE_PD_NEX T_TI	numeric(15,5)		The cumulative negative residue for the next trading interval (PD)
PRICE_REVISION	varchar(30)		SubjectToReview, Indeterminate, Accepted or Rejected
PREDISPATCHSEQNO	varchar(20)		Predispatch sequence number
EVENT_ACTIVATED_DI	datetime		The starting DI when NRM event is active
EVENT_DEACTIVATED _DI	datetime		The finishing DI when NRM event stops being active.
DI_NOTBINDING_COUN T	numeric(2,0)		Count of the number of DIs not binding by this constraint
DI_VIOLATED_COUNT	numeric(2,0)		Count of the number of DIs violated by this constraint

NRMCONSTRAINT_BLO CKED_FLAG	numeric(1,0)		1 if constraint is blocked, else 0
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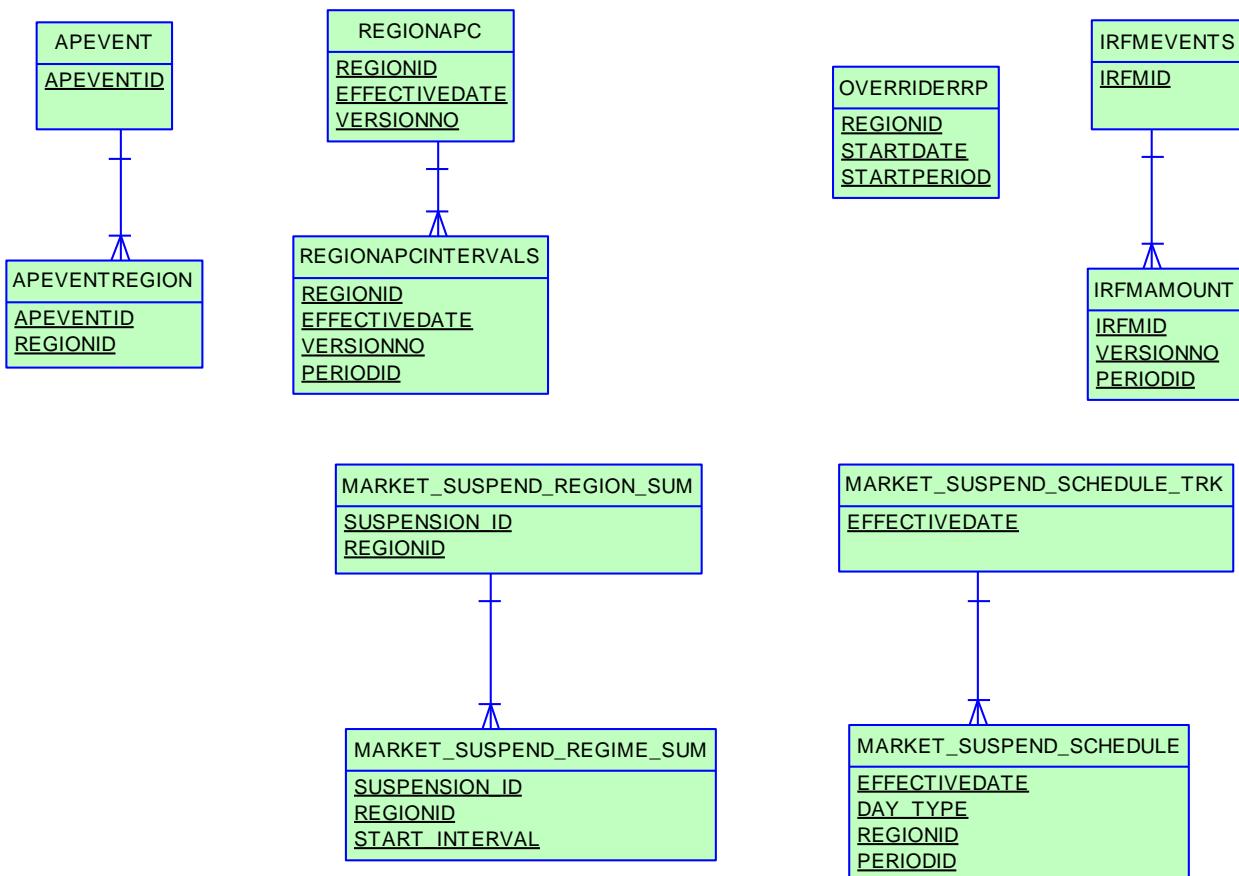
## 13 Package: FORCE\_MAJEURE

<i>Name</i>	FORCE_MAJEURE
<i>Comment</i>	Market Suspensions and administer pricing event data

### 13.1 List of tables

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

## 13.2 Diagram: Entities: Force Majeure



### 13.3 Table: APEVENT

#### 13.3.1 APEVENT

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

#### 13.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 13.3.3 Primary Key Columns

Name	APEVENTID
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#### 13.3.4 Index Columns

Name	LASTCHANGED
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#### 13.3.5 Content

Name	Data Type	Mandatory	Comment
APEVENTID	numeric(22,0)	X	Unique identifier for this administered pricing event
EFFECTIVEFROMINTERVAL	datetime		Date Time of the first Dispatch Interval to which the administered event applies
EFFECTIVETOINTERVAL	datetime		Date Time of the final Dispatch Interval to which the administered event applies
REASON	varchar(2000)		Description of the driver for the Event
STARTAUTHORISEDBY	varchar(15)		Authorising staff for start of AP event
STARTAUTHORISEDDATE	datetime		Date-Time start authorised
ENDAUTHORISEDBY	varchar(15)		Authorising staff for end of AP event
ENDAUTHORISEDDATE	datetime		Date Time end authorised
LASTCHANGED	datetime		Date-Time the record was last modified

## 13.4 Table: APEVENTREGION

### 13.4.1 APEVENTREGION

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

### 13.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.4.3 Primary Key Columns

Name
APEVENTID
REGIONID

### 13.4.4 Index Columns

Name
LASTCHANGED

### 13.4.5 Content

Name	Data Type	Mandatory	Comment
APEVENTID	numeric(22,0)	X	Unique identifier for this administered pricing event
REGIONID	varchar(10)	X	Date-Time of the first Dispatch Interval to which the administered event applies
LASTCHANGED	datetime		Date Time of the final Dispatch Interval to which the administered event applies
ENERGYAPFLAG	numeric(1,0)		flag indicating if the apevent covers an energy AP
RAISE6SECAPFLAG	numeric(1,0)		flag indicating if the apevent covers a raise6sec AP
RAISE60SECAPFLAG	numeric(1,0)		flag indicating if the apevent covers a raise60sec AP
RAISE5MINAPFLAG	numeric(1,0)		flag indicating if the apevent covers a raise5min AP
RAISEREGAPFLAG	numeric(1,0)		flag indicating if the apevent covers a raisereg AP
LOWER6SECAPFLAG	numeric(1,0)		flag indicating if the apevent covers a lower6sec AP
LOWER60SECAPFLAG	numeric(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	numeric(1,0)		flag indicating if the apevent covers a lower5min AP

LOWERREGAPFLAG	numeric(1,0)		flag indicating if the apevent covers a lowerreg AP
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## 13.5 Table: IRFMAMOUNT

### 13.5.1 IRFMAMOUNT

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

### 13.5.2 Description

IRFMAMOUNT is public data.

#### Source

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

### 13.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.5.4 Primary Key Columns

Name  
 IRFMID  
 PERIODID  
 VERSIONNO

### 13.5.5 Index Columns

Name  
 LASTCHANGED

### 13.5.6 Content

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

## 13.6 Table: IRFMEVENTS

### 13.6.1 IRFMEVENTS

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

### 13.6.2 Description

IRFMEVENTS is public data.

#### Source

IRFMEVENTS updates with the occurrence of any such events.

### 13.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.6.4 Primary Key Columns

Name
IRFMID

### 13.6.5 Index Columns

Name
LASTCHANGED

### 13.6.6 Content

Name	Data Type	Mandatory	Comment
IRFMID	varchar(10)	X	
STARTDATE	datetime		
STARTPERIOD	numeric(3,0)		
ENDDATE	datetime		
ENDPERIOD	numeric(3,0)		
LASTCHANGED	datetime		

## 13.7 Table: MARKET\_SUSPEND\_REGIME\_SUM

### 13.7.1 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

### 13.7.2 Description

MARKET\_SUSPEND\_REGIME\_SUM is public data, so is available to all participants.

### 13.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.7.4 Primary Key Columns

Name
REGIONID
START_INTERVAL
SUSPENSION_ID

### 13.7.5 Content

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

## 13.8 Table: MARKET\_SUSPEND\_REGION\_SUM

### 13.8.1 MARKET\_SUSPEND\_REGION\_SUM

Name	MARKET_SUSPEND_REGION_SUM
Comment	Summary of Market Suspension timings

### 13.8.2 Description

MARKET\_SUSPEND is public data, so is available to all participants.

### 13.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.8.4 Primary Key Columns

Name
REGIONID
SUSPENSION_ID

### 13.8.5 Content

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

## 13.9 Table: MARKET\_SUSPEND\_SCHEDULE

### 13.9.1 MARKET\_SUSPEND\_SCHEDULE

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

### 13.9.2 Description

MARKET\_SUSPEND\_SCHEDULE is public data, so is available to all participants.

### 13.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.9.4 Primary Key Columns

Name  
 DAY\_TYPE  
 EFFECTIVEDATE  
 PERIODID  
 REGIONID

### 13.9.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Calendar date from when this record set is effective
DAY_TYPE	varchar(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	varchar(20)	X	Region affected.
PERIODID	numeric(3,0)	X	48 intervals for a day, midnight base (equates to 00:30 - 00:00)
ENERGY_RRP	numeric(15,5)		Energy Price applied for this period for this Day Type
R6_RRP	numeric(15,5)		Raise 6Sec contingency Price applied for this period for this Day Type
R60_RRP	numeric(15,5)		Raise 60Sec contingency Price applied for this period for this Day Type
R5_RRP	numeric(15,5)		Raise 5Min contingency Price applied for this period for this Day Type
RREG_RRP	numeric(15,5)		Raise Regulation contingency Price applied for this period for this Day Type
L6_RRP	numeric(15,5)		Lower 6Sec contingency Price applied for this period for this Day Type
L60_RRP	numeric(15,5)		Lower 60Sec contingency Price applied for this period for this Day Type

L5_RRP	numeric(15,5)		Lower 5Min contingency Price applied for this period for this Day Type
LREG_RRP	numeric(15,5)		Lower Regulation Price applied for this period for this Day Type
LASTCHANGED	datetime		Last date and time record changed

## 13.10 Table: MARKET\_SUSPEND\_SCHEDULE\_TRK

### 13.10.1 MARKET\_SUSPEND\_SCHEDULE\_TRK

Name	MARKET_SUSPEND_SCHEDULE_TRK
Comment	Parent table for pricing regimes used in suspensions

### 13.10.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.10.3 Primary Key Columns

Name	
EFFECTIVEDATE	

### 13.10.4 Content

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

## 13.11 Table: OVERRIDERRP

### 13.11.1 OVERRIDERRP

Name	OVERRIDERRP
Comment	OVERRIDERRP shows details of override price periods.

### 13.11.2 Description

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

#### Source

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

### 13.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.11.4 Primary Key Columns

Name  
 REGIONID  
 STARTDATE  
 STARTPERIOD

### 13.11.5 Index Columns

Name  
 LASTCHANGED

### 13.11.6 Content

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

## 13.12 Table: REGIONAPC

### 13.12.1 REGIONAPC

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

### 13.12.2 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.

### 13.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.12.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 REGIONID  
 VERSIONNO

### 13.12.5 Index Columns

Name  
 LASTCHANGED

### 13.12.6 Content

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

## 13.13 Table: REGIONAPCINTERVALS

### 13.13.1 REGIONAPCINTERVALS

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

### 13.13.2 Description

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

#### Source

REGIONAPCINTERVALS is updated whenever an Administered Price Cap occurs.

### 13.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 13.13.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PERIODID  
 REGIONID  
 VERSIONNO

### 13.13.5 Index Columns

Name  
 LASTCHANGED

### 13.13.6 Content

Name	Data Type	Mandatory	Comment
REGIONID	varchar(10)	X	Region Identifier
EFFECTIVEDATE	datetime	X	Date the APC profile applies from
VERSIONNO	numeric(3,0)	X	Version number for the same date
PERIODID	numeric(3,0)	X	Period number where 1 is the 00:30 EST
APCVALUE	numeric(16,6)		Administered price cap in \$
LASTCHANGED	datetime		Last date and time record changed
APCTYPE	numeric(3,0)		not used
FCASAPCVALUE	numeric(16,6)		FCAS Administered price cap in \$
APFVALUE	numeric(16,6)		Administered price floor in \$

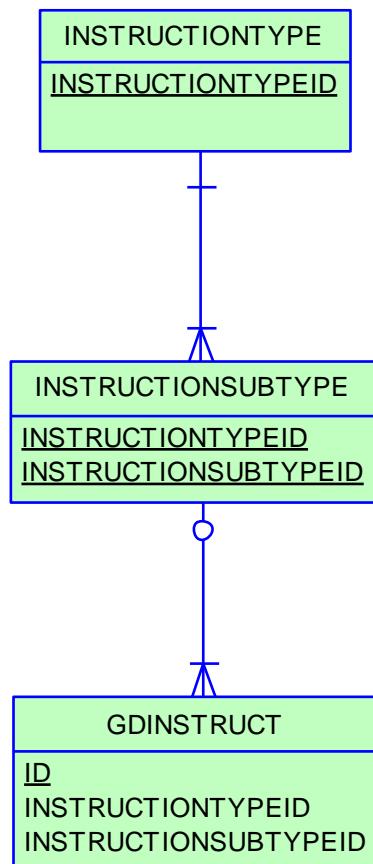
## 14 Package: GD\_INSTRUCT

Name	GD_INSTRUCT
Comment	General Dispatch Instruction data

### 14.1 List of tables

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

### 14.2 Diagram: Entities: GD Instruct



## 14.3 Table: GDINSTRUCT

### 14.3.1 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.

### 14.3.2 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.

### 14.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 14.3.4 Primary Key Columns

Name
ID

### 14.3.5 Index Columns

Name
LASTCHANGED

### 14.3.6 Index Columns

Name
DUID

### 14.3.7 Index Columns

Name
TARGETTIME

### 14.3.8 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)		Dispatchable unit identifier
STATIONID	varchar(10)		Station Identifier
REGIONID	varchar(10)		Region Identifier
ID	numeric(22,0)	X	Instruction ID (sequential number)
INSTRUCTIONTYPEID	varchar(10)		Instruction type
INSTRUCTIONSUBTYP	varchar(10)		Instruction sub type

EID			
INSTRUCTIONCLASSID	varchar(10)		Instruction class
REASON	varchar(64)		Reason
INSTLEVEL	numeric(6,0)		Instruction target level
AUTHORISEDDATE	datetime		Authorised date
AUTHORISEDBY	varchar(15)		User authorised by
PARTICIPANTID	varchar(10)		Unique participant identifier
ISSUEDTIME	datetime		Date / time issued
TARGETTIME	datetime		Date / time instruction to apply
LASTCHANGED	datetime		Last date and time record changed

## 14.4 Table: INSTRUCTIONSUBTYPE

### 14.4.1 INSTRUCTIONSUBTYPE

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

### 14.4.2 Description

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

#### Source

INSTRUCTIONSUBTYPE shows ad hoc updates to market configuration.

### 14.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 14.4.4 Primary Key Columns

Name
INSTRUCTIONSUBTYPEID
INSTRUCTIONTYPEID

### 14.4.5 Index Columns

Name
LASTCHANGED

### 14.4.6 Content

Name	Data Type	Mandatory	Comment
INSTRUCTIONTYPEID	varchar(10)	X	Instruction type
INSTRUCTIONSUBTYPEID	varchar(10)	X	Subtype for each dispatch instruction type, for example governor off.
DESCRIPTION	varchar(64)		Description of instruction subtype
LASTCHANGED	datetime		Last date and time record changed

## 14.5 Table: INSTRUCTIONTYPE

### 14.5.1 INSTRUCTIONTYPE

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

### 14.5.2 Description

INSTRUCTIONTYPE data is public to all participants.

#### Source

INSTRUCTIONTYPE shows ad hoc updates to market configuration.

### 14.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 14.5.4 Primary Key Columns

Name
INSTRUCTIONTYPEID

### 14.5.5 Index Columns

Name
LASTCHANGED

### 14.5.6 Content

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

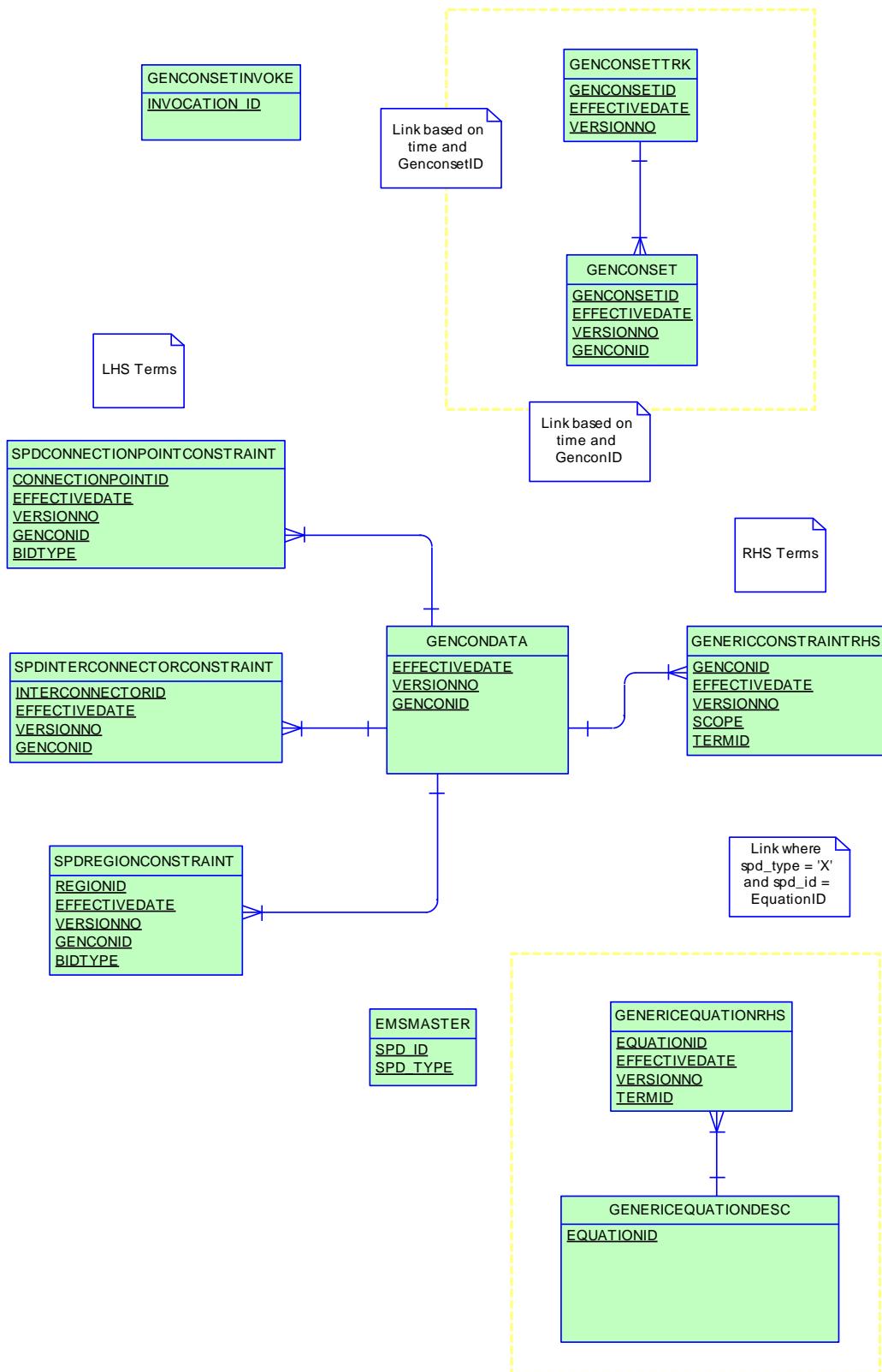
## 15 Package: GENERIC\_CONSTRAINT

Name	GENERIC_CONSTRAINT
Comment	Generic Constraint Standing Data and Invocations

### 15.1 List of tables

Name	Comment
EMSSMASTER	EMSSMASTER provides a description of the SCADA measurements that are associated with the SPD_ID points utilised in generic equation RHS terms
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.
GENCONSET	GENCONSET sets out generic constraint sets that are invoked and revoked, and may contain many generic constraints (GENCONDATA).
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.
GENCONSETTRK	GENCONSETTRK assists in determining the correct version of a generic constraint set that has been invoked in GENCONSETINVOKE.
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.
GENERICEQUATIONDESC	GENERICEQUATIONDESC defines a generic equation identifier with a description. The formulation of the generic equation is detailed in GENERICEQUATIONRHS.
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.
SPDCONNECTIONPOINTCONSTRAINT	SPDCONNECTIONPOINTCONSTRAINT sets out details of connections point constraints issued in dispatch, predispatch and STPASA.
SPDINTERCONNECTORCONSTRAINT	SPDINTERCONNECTORCONSTRAINT contains details on the interconnector constraint factors used in dispatch, predispatch and STPASA. The details set a LHS value.
SPDREGIONCONSTRAINT	SPDREGIONCONSTRAINT contains details on region demand constraint factors used in dispatch. SPDREGIONCONSTRAINT sets a LHS value.

## 15.2 Diagram: Entities: Generic Constraints



## 15.3 Table: EMSMASTER

### 15.3.1 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

### 15.3.2 Primary Key Columns

Name
SPD_ID
SPD_TYPE

### 15.3.3 Index Columns

Name
LASTCHANGED

### 15.3.4 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	datetime		Last date and time record changed

## 15.4 Table: GENCONDATA

### 15.4.1 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, Predispacth, ST PASA or MT PASA processes.

### 15.4.2 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, Predispacth, 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.

### 15.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.4.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 GENCONID  
 VERSIONNO

### 15.4.5 Index Columns

Name  
LASTCHANGED

### 15.4.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of this constraint
VERSIONNO	numeric(3,0)	X	Version with respect to the effective date
GENCONID	varchar(20)	X	Unique ID for the constraint
CONSTRAINTTYPE	varchar(2)		The logical operator (=, >=, <=)
CONSTRAINTVALUE	numeric(16,6)		the RHS value used if there is no dynamic RHS defined in GenericConstraintRHS
DESCRIPTION	varchar(256)		Detail of the plant that is not in service
STATUS	varchar(8)		Not used
GENERICCONSTRAINTWEIGHT	numeric(16,6)		The constraint violation penalty factor
AUTHORISEDDATE	datetime		Date record authorised
AUTHORISEDBY	varchar(15)		User authorising record
DYNAMICRHS	numeric(15,5)		Not used
LASTCHANGED	datetime		Last date and time record changed
DISPATCH	varchar(1)		Flag: constraint RHS used for Dispatch? 1-used, 0-not used
PREDISPATCH	varchar(1)		Flag to indicate if the constraint RHS is to be used for PreDispatch, 1-used, 0-not used
STPASA	varchar(1)		Flag to indicate if the constraint RHS is to be used for ST PASA, 1-used, 0-not used
MTPASA	varchar(1)		Flag to indicate if the constraint RHS is to be used for MT PASA, 1-used, 0-not used
IMPACT	varchar(64)		The device(s) that is affected by the constraint e.g. Interconnector, Generator(s) or Cutset
SOURCE	varchar(128)		The source of the constraint formulation
LIMITTYPE	varchar(64)		The limit type of the constraint e.g. Transient Stability, Voltage Stability
REASON	varchar(256)		The contingency or reason for the constraint
MODIFICATIONS	varchar(256)		Details of the changes made to this version of the constraint
ADDITIONALNOTES	varchar(256)		Extra notes on the constraint
P5MIN_SCOPE_OVERRIDE	varchar(2)		Extra notes on the constraint: NULL = Dispatch RHS applied in 5MPD, PD = PreDispatch RHS applied in 5MPD
LRC	varchar(1)		Flag to indicate if PASA LRC run uses the constraint; 1-used, 0-not used
LOR	varchar(1)		Flag to indicate if PASA LOR run uses the constraint; 1-used, 0-not used
FORCE_SCADA	numeric(1,0)		Flags Constraints for which NEMDE must use "InitialMW" values instead of "WhatOfInitialMW" for Intervention Pricing runs

## 15.5 Table: GENCONSET

### 15.5.1 GENCONSET

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

### 15.5.2 Description

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

#### Source

GENCONSET updates as sets are updated by AEMO.

### 15.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.5.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 GENCONID  
 GENCONSETID  
 VERSIONNO

### 15.5.5 Index Columns

Name  
 LASTCHANGED

### 15.5.6 Content

Name	Data Type	Mandatory	Comment
GENCONSETID	varchar(20)	X	Unique ID for the Constraint Set
EFFECTIVEDATE	datetime	X	Date this record becomes effective
VERSIONNO	numeric(3,0)	X	Version no of the record for the given effective date
GENCONID	varchar(20)	X	Generic Constraint ID
GENCONEFFDATE	datetime		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	numeric(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	datetime		Last date and time record changed

## 15.6 Table: GENCONSETINVOKE

### 15.6.1 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.

### 15.6.2 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".

### 15.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.6.4 Primary Key Columns

Name
INVOCATION_ID

### 15.6.5 Index Columns

Name
LASTCHANGED

### 15.6.6 Content

Name	Data Type	Mandatory	Comment
INVOCATION_ID	numeric(9)	X	Abstract unique identifier for the record. Allows Invocations to be modified without affecting PK values
STARTDATE	datetime	X	Market date of start

STARTPERIOD	numeric(3,0)	X	The first dispatch interval of the invocation being the dispatch interval number starting from 1 at 04:05.
GENCONSETID	varchar(20)	X	Unique generic constraint set identifier
ENDDATE	datetime		Market date end
ENDPERIOD	numeric(3,0)		Dispatch interval number end
STARTAUTHORISEDBY	varchar(15)		User authorising invoke, indicating a constraint set invocation is applicable (i.e. non-null). A null value indicates inactive invocation.
ENDAUTHORISEDBY	varchar(15)		user authorising revoke.
INTERVENTION	varchar(1)		0 is not intervention, 1 is intervention and causes dispatch to solve twice.
ASCONSTRAINTTYPE	varchar(10)		Constraint type (e.g. ancillary services). This also flags where a constraint is an interconnector or intra-region network limit.
LASTCHANGED	datetime		Last date and time record changed
STARTINTERVALDATE TIME	datetime		The settlement date and time corresponding to the first interval to which the constraint set is to be applied.
ENDINTERVALDATE TIME	datetime		The settlement date and time corresponding to the last interval to which the constraint set is to be applied.
SYSTEMNORMAL	varchar(1)		Flag to indicate if the constraint set is a system normal (1) or an outage set (0)

## 15.7 Table: GENCONSETTRK

### 15.7.1 GENCONSETTRK

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

### 15.7.2 Description

GENCONSETTRK data is public to all participants.

#### Source

Ad hoc updates occur to GENCONSETTRK.

### 15.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.7.4 Primary Key Columns

Name
EFFECTIVEDATE
GENCONSETID
VERSIONNO

### 15.7.5 Index Columns

Name
LASTCHANGED

### 15.7.6 Content

Name	Data Type	Mandatory	Comment
GENCONSETID	varchar(20)	X	Unique ID for the Constraint Set
EFFECTIVEDATE	datetime	X	Date this record becomes effective
VERSIONNO	numeric(3,0)	X	Version no of the record for the given effective date
DESCRIPTION	varchar(256)		Description of the constraint
AUTHORISEDBY	varchar(15)		The person who authorised the constraint set
AUTHORISEREDDATE	datetime		The date and time of authorising the constraint set
LASTCHANGED	datetime		Last date and time record changed
COVERAGE	varchar(64)		The region the constraint set is located in or a special grouping (e.g. CHIMERA)
MODIFICATIONS	varchar(256)		Details of the changes made to this version of the constraint set
SYSTEMNORMAL	varchar(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

OUTAGE	varchar(256)	set (0)] Detail of the plant that is not in service
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## 15.8 Table: GENERICCONSTRAINTRHS

### 15.8.1 GENERICCONSTRAINTRHS

Name	GENERICCONSTRAINTRHS
Comment	<p>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.</p> <p>GENERICCONSTRAINTRHS replaces data previously available via the "Constraint Library" Excel spreadsheet.</p>

### 15.8.2 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.

### 15.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.8.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 GENCONID  
 SCOPE  
 TERMID  
 VERSIONNO

### 15.8.5 Index Columns

Name  
 LASTCHANGED

### 15.8.6 Content

Name	Data Type	Mandatory	Comment

GENCONID	varchar(20)	X	Generic Constraint Identifier
EFFECTIVEDATE	datetime	X	Effective date of this record
VERSIONNO	numeric(22,0)	X	Version no of this record for the effective date
SCOPE	varchar(2)	X	Scope of RHS term (DS, PD, ST or EQ)
TERMID	numeric(4,0)	X	The unique identifier for the a constraint RHS term
GROUPID	numeric(3,0)		ID of super-term, if this is a sub-term
SPD_ID	varchar(21)		ID defining data source
SPD_TYPE	varchar(1)		ID describing type of data source
FACTOR	numeric(16,6)		Multiplier applied to operator result
OPERATION	varchar(10)		Unitary operator to apply to data value
DEFAULTVALUE	numeric(16,6)		Default value if primary source given by SPD_ID and SPD_TYPE not available.
PARAMETERTERM1	varchar(12)		The unique identifier for the first term (logic expression) to use in a Branch term
PARAMETERTERM2	varchar(12)		The unique identifier for the second term (logic<=0 result) to use in a Branch term
PARAMETERTERM3	varchar(12)		The unique identifier for the third term (logic>0 result) to use in a Branch term
LASTCHANGED	datetime		Last date and time record changed

## 15.9 Table: GENERICEQUATIONDESC

### 15.9.1 GENERICEQUATIONDESC

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

### 15.9.2 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.

### 15.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.9.4 Primary Key Columns

Name	EQUATIONID
------	------------

### 15.9.5 Index Columns

Name	LASTCHANGED
------	-------------

### 15.9.6 Content

Name	Data Type	Mandatory	Comment
EQUATIONID	varchar(20)	X	Generic Equation Identifier
DESCRIPTION	varchar(256)		Generic Equation Description
LASTCHANGED	datetime		Last date and time record changed
IMPACT	varchar(64)		The device(s) affected by the constraint (e.g. Interconnector, Generator(s) or Cutset)
SOURCE	varchar(128)		The source of the constraint formulation
LIMITTYPE	varchar(64)		The limit type of the constraint e.g. Transient Stability, Voltage Stability

REASON	varchar(256)		The contingency or reason for the constraint
MODIFICATIONS	varchar(256)		Details of the changes made to this version of the generic equation RHS
ADDITIONALNOTES	varchar(256)		Extra notes on the constraint

## 15.10 Table: GENERICEQUATIONRHS

### 15.10.1 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.

### 15.10.2 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.

### 15.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.10.4 Primary Key Columns

Name
EFFEFFECTIVEDATE
EQUATIONID
TERMID
VERSIONNO

### 15.10.5 Index Columns

Name
LASTCHANGED

### 15.10.6 Content

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

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

## 15.11 Table: SPDCONNECTIONPOINTCONSTRAINT

### 15.11.1 SPDCONNECTIONPOINTCONSTRAINT

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

### 15.11.2 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.

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

#### Source

SPDCONNECTIONPOINTCONSTRAINT updates whenever new connection point constraints are created.

### 15.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.11.4 Primary Key Columns

Name  
 BIDTYPE  
 CONNECTIONPOINTID  
 EFFECTIVEDATE  
 GENCONID  
 VERSIONNO

### 15.11.5 Index Columns

Name  
 LASTCHANGED

### 15.11.6 Content

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



## 15.12 Table: SPDINTERCONNECTORCONSTRAINT

### 15.12.1 SPDINTERCONNECTORCONSTRAINT

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

### 15.12.2 Description

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

#### Source

SPDINTERCONNECTORCONSTRAINT updates whenever new connection point constraints are created.

### 15.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.12.4 Primary Key Columns

Name
EFFECTIVEDATE
GENCONID
INTERCONNECTORID
VERSIONNO

### 15.12.5 Index Columns

Name
LASTCHANGED

### 15.12.6 Content

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

## 15.13 Table: SPDREGIONCONSTRAINT

### 15.13.1 SPDREGIONCONSTRAINT

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

### 15.13.2 Description

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

#### Source

SPDREGIONCONSTRAINT is updated whenever AEMO creates new regional constraints.

### 15.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 15.13.4 Primary Key Columns

Name  
 BIDTYPE  
 EFFECTIVEDATE  
 GENCONID  
 REGIONID  
 VERSIONNO

### 15.13.5 Index Columns

Name  
 LASTCHANGED

### 15.13.6 Content

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

## 16 Package: IRAUCTION

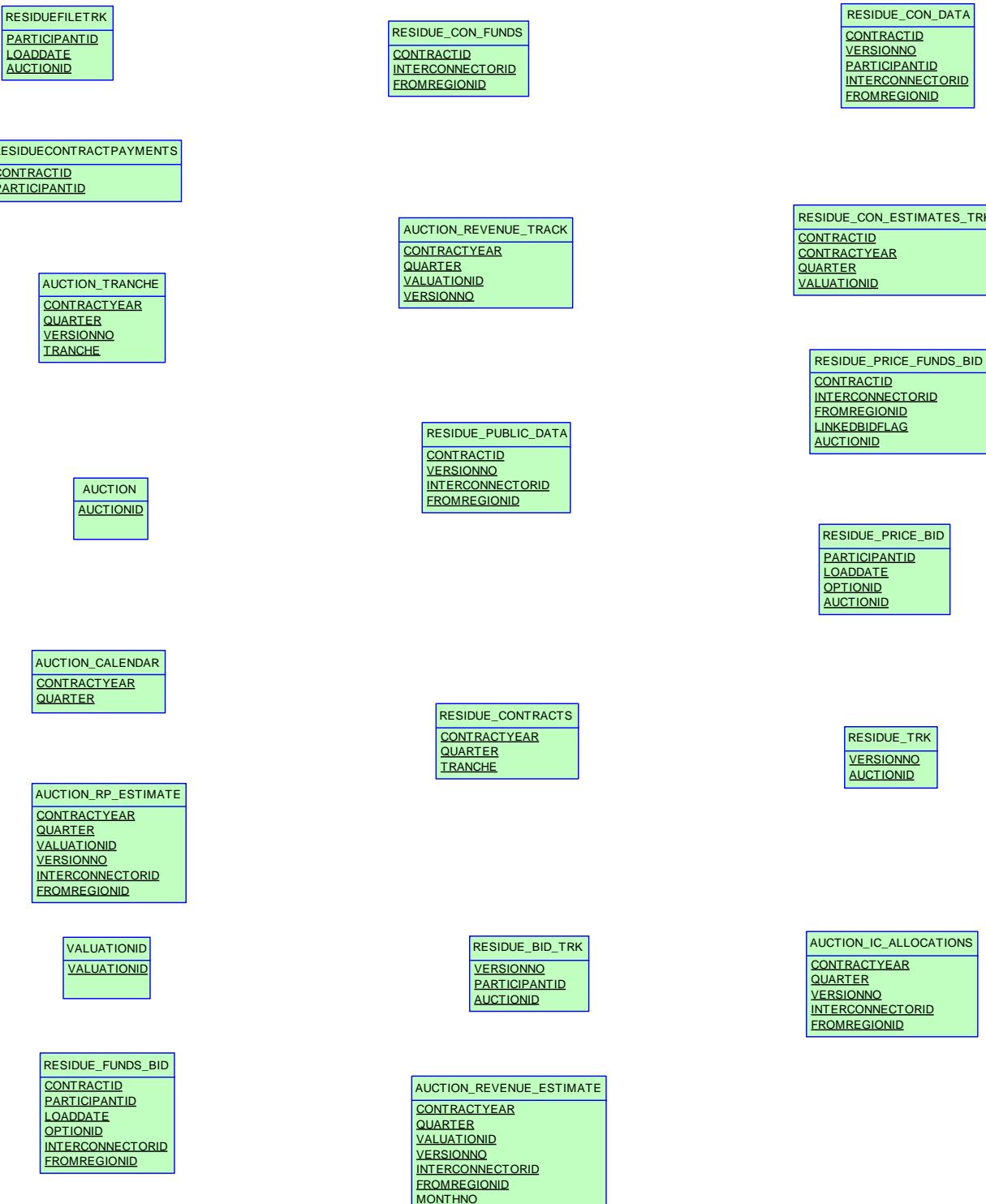
Name	IRAUCTION
Comment	Inter-regional Residue Auction data

### 16.1 List of tables

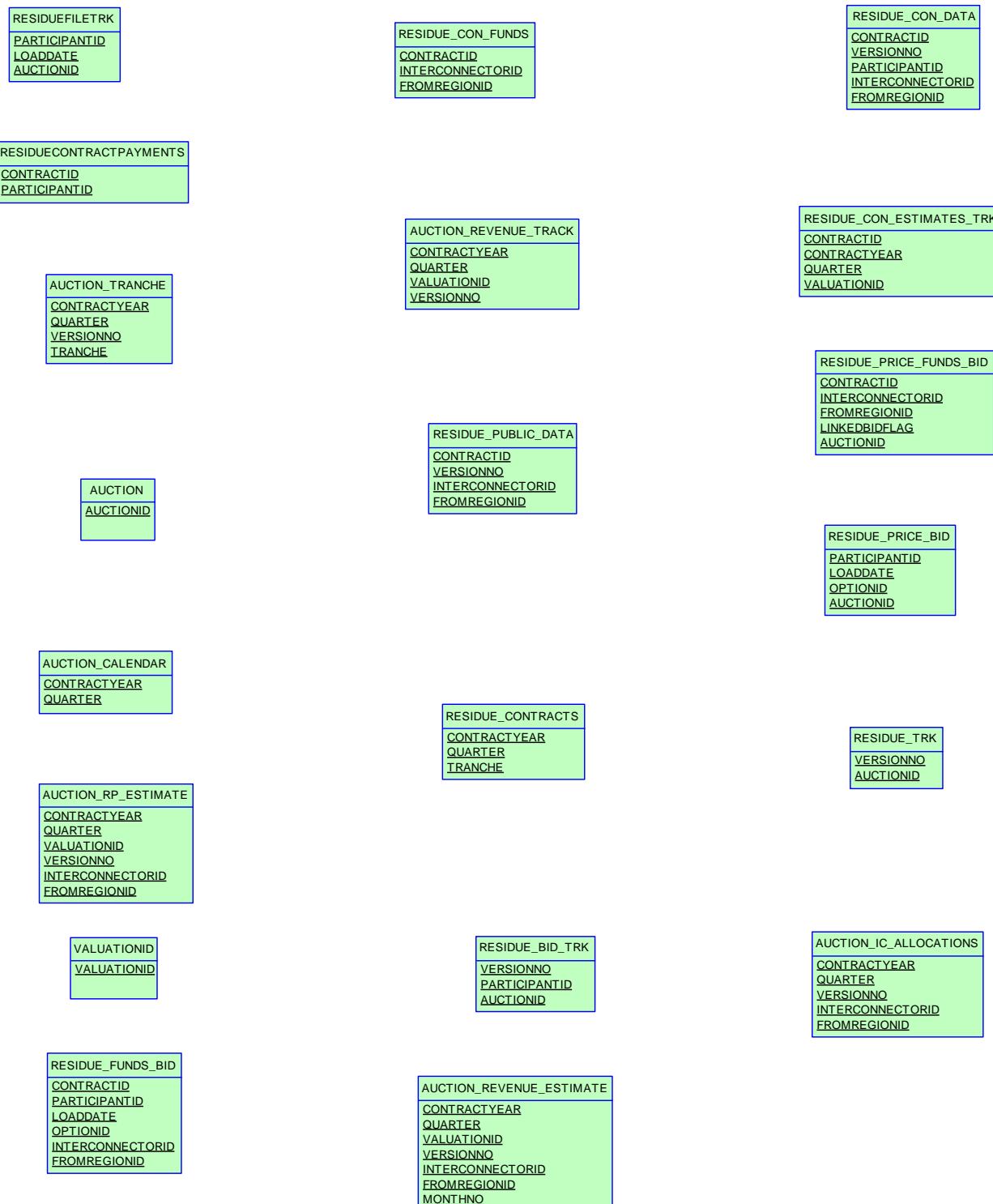
Name	Comment
AUCTION	AUCTION holds auction details. AUCTION is new in March 2003 to support SRA Inter-Temporal Linking.
AUCTION_CALENDAR	AUCTION_CALENDAR holds the definitions of each auction quarter in a contract year. AUCTION_CALENDAR supports the Settlement Residue Auction.
AUCTION_IC_ALLOCATIONS	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.
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.
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.
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.
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.
RESIDUE_BID_TRK	RESIDUE_BID_TRK supports the Settlement Residue Auction, by detailing which bid was used for which SRA Contract run.
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.
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.
RESIDUE_CON_FUNDS	RESIDUE_CON_FUNDS supports the Settlement Residue Auction, by holding the fund details for each contract.
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.
RESIDUE_FUNDS_BID	RESIDUE_FUNDS_BID supports the Settlement Residue Auction, by showing the fund details for each SRA bid by each Participant.
RESIDUE_PRICE_BID	RESIDUE_PRICE_BID supports the Settlement Residue Auction, holding the unit and bid price details for each participant.

RESIDUE_PRICE_FUNDS_BID	RESIDUE_PRICE_FUNDS_BID shows 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.
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.
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.
RESIDUECONTRACTPAYMENTS	RESIDUECONTRACTPAYMENTS shows Settlement Residue Auction payment Participant notifications.
RESIDUEFILETRK	RESIDUEFILETRK records all Settlement Residue Auction offers submitted by participants.
VALUATIONID	VALUATIONID shows the identifiers and descriptions of the valuers submitting estimates of upcoming settlement residues. VALUATIONID supports the Settlement Residue Auction.

## 16.2 Diagram: Entities: IRAuction



### 16.3 Diagram: PhysicalDiagram\_1



## 16.4 Table: AUCTION

### 16.4.1 AUCTION

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

### 16.4.2 Description

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

#### Source

Static.

#### Volume

4 records per year

### 16.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.4.4 Primary Key Columns

Name	AUCTIONID
------	-----------

### 16.4.5 Index Columns

Name	LASTCHANGED
------	-------------

### 16.4.6 Content

Name	Data Type	Mandatory	Comment
AUCTIONID	varchar(30)	X	Unique id for each auction date
AUCTIONDATE	datetime		Auction date
NOTIFYDATE	datetime		
STARTDATE	datetime		Open date for bidding
ENDDATE	datetime		Close date for bidding
DESCRIPTION	varchar(100)		Description of an auction
AUTHORISEDDATE	datetime		
AUTHORISEDBY	varchar(30)		
LASTCHANGED	datetime		

## 16.5 Table: AUCTION CALENDAR

### 16.5.1 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.

### 16.5.2 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.

### 16.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.5.4 Primary Key Columns

Name
CONTRACTYEAR
QUARTER

### 16.5.5 Index Columns

Name
LASTCHANGED

### 16.5.6 Content

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

MTDATE			is generated
FINALPURCHASESTMT DATE	datetime		The date the Final Purchase Statement is generated
FINALPROCEEDSSTMT DATE	datetime		The date the Final Proceeds Statement is generated

## 16.6 Table: AUCTION\_IC\_ALLOCATIONS

### 16.6.1 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.

### 16.6.2 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.

### 16.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.6.4 Primary Key Columns

Name  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 QUARTER  
 VERSIONNO

### 16.6.5 Index Columns

Name  
 LASTCHANGED

### 16.6.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	SRA Contracted Year
QUARTER	numeric(1,0)	X	SRA Contracted Quarter
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector Identifier
FROMREGIONID	varchar(10)	X	Nominated source region for

			Interconnector
MAXIMUMUNITS	numeric(5,0)		Number of units on the interconnector
PROPORTION	numeric(8,5)		Percentage of the total residue for each Unit
AUCTIONFEE	numeric(17,5)		Daily auction fee
CHANGEDATE	datetime		Authorisation date
CHANGEDBY	varchar(15)		Name of person authorising this data set
LASTCHANGED	datetime		Last date and time record changed

## 16.7 Table: AUCTION\_REVENUE\_ESTIMATE

### 16.7.1 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.

### 16.7.2 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.

### 16.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.7.4 Primary Key Columns

Name  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 MONTHNO  
 QUARTER  
 VALUATIONID  
 VERSIONNO

### 16.7.5 Index Columns

Name  
 LASTCHANGED

### 16.7.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	SRA Contracted Year
QUARTER	numeric(1,0)	X	SRA Contracted Quarter
VALUATIONID	varchar(15)	X	Identifier of the estimator
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence

INTERCONNECTORID	varchar(10)	X	Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
MONTHNO	numeric(1,0)	X	Month number within quarter (1..3)
STARTDATE	datetime		First day of month as date
ENDDATE	datetime		Last day of month as date
REVENUE	numeric(17,5)		Estimated Revenue
LASTCHANGED	datetime		Last date and time record changed

## 16.8 Table: AUCTION\_REVENUE\_TRACK

### 16.8.1 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.

### 16.8.2 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.

### 16.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.8.4 Primary Key Columns

Name  
 CONTRACTYEAR  
 QUARTER  
 VALUATIONID  
 VERSIONNO

### 16.8.5 Index Columns

Name  
 LASTCHANGED

### 16.8.6 Content

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

AUTHORISEDBY	varchar(15)		Name of person authorising this record
LASTCHANGED	datetime		Date and time this record was last changed

## 16.9 Table: AUCTION\_RP\_ESTIMATE

### 16.9.1 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.

### 16.9.2 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.

### 16.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.9.4 Primary Key Columns

Name  
 CONTRACTYEAR  
 FROMREGIONID  
 INTERCONNECTORID  
 QUARTER  
 VALUATIONID  
 VERSIONNO

### 16.9.5 Index Columns

Name  
 LASTCHANGED

### 16.9.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	SRA Contracted Year
QUARTER	numeric(1,0)	X	SRA Contracted Quarter
VALUATIONID	varchar(15)	X	Identifier of the estimator
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for

		Interconnector
RPESTIMATE	numeric(17,5)	Estimate of reserve price
LASTCHANGED	datetime	Last date and time record was changed

## 16.10 Table: AUCTION\_TRANCHE

### 16.10.1 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.

### 16.10.2 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.

### 16.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.10.4 Primary Key Columns

Name  
 CONTRACTYEAR  
 QUARTER  
 TRANCHE  
 VERSIONNO

### 16.10.5 Index Columns

Name  
 LASTCHANGED

### 16.10.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	SRA Contracted Year
QUARTER	numeric(1,0)	X	SRA Contracted Quarter
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
TRANCHE	numeric(2,0)	X	Label identifying the arbitrary segmented share of the Interconnector flow
AUCTIONDATE	datetime		Default date of the auction
NOTIFYDATE	datetime		Default date participants notified of details

UNITALLOCATION	numeric(18,8)		Percentage of units allocated to the tranche
CHANGEDATE	datetime		Date of changing this record
CHANGEDBY	varchar(15)		Name of person who changed this record
LASTCHANGED	datetime		Date and time record was last changed

## 16.11 Table: RESIDUE\_BID\_TRK

### 16.11.1 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.

### 16.11.2 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.

### 16.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 16.11.4 Primary Key Columns

Name
AUCTIONID
PARTICIPANTID
VERSIONNO

### 16.11.5 Index Columns

Name
LASTCHANGED

### 16.11.6 Content

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

## 16.12 Table: RESIDUE\_CON\_DATA

### 16.12.1 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.

### 16.12.2 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.

### 16.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 16.12.4 Primary Key Columns

Name  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 VERSIONNO

### 16.12.5 Index Columns

Name  
 LASTCHANGED

### 16.12.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(30)	X	SRA Contract unique identifier
VERSIONNO	numeric(3,0)	X	Contract run version
PARTICIPANTID	varchar(10)	X	Identifier of Contracted Participant
INTERCONNECTORID	varchar(10)	X	Identifier of Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
UNITSPURCHASED	numeric(17,5)		Units purchased on the directional

			interconnector (i.e. Contracted quantity)
LINKPAYMENT	numeric(17,5)		Payment due (i.e. total purchase price)
LASTCHANGED	datetime		Last date and time record changed

## 16.13 Table: RESIDUE\_CON\_ESTIMATES\_TRK

### 16.13.1 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.

### 16.13.2 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.

### 16.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.13.4 Primary Key Columns

Name
CONTRACTID
CONTRACTYEAR
QUARTER
VALUATIONID

### 16.13.5 Index Columns

Name
LASTCHANGED

### 16.13.6 Content

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

## 16.14 Table: RESIDUE\_CON\_FUNDS

### 16.14.1 RESIDUE\_CON\_FUNDS

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

### 16.14.2 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.

### 16.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.14.4 Primary Key Columns

Name  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID

### 16.14.5 Index Columns

Name  
 LASTCHANGED

### 16.14.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(30)	X	SRA Contract unique identifier as specified by AEMO
INTERCONNECTORID	varchar(10)	X	Identifier for the Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
DEFAULTUNITS	numeric(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	numeric(5,0)		Units reallocated from the previous tranche of this quarter
REALLOCATEDUNITS	numeric(5,0)		Units reallocated from the previous tranche of this quarter because they were

			not taken up by the participant
UNITSOFFERED	numeric(5,0)		Total units offered for Contract
MEANRESERVEPRICE	numeric(9,2)		Average reserve price calculated from the selected estimates
SCALEFACTOR	numeric(8,5)		Scaling factor for regional Frequency control Ancillary Service requirement
ACTUALRESERVEPRICE	numeric(9,2)		Actual reserve price
LASTCHANGED	datetime		Last date and time record changed

## 16.15 Table: RESIDUE\_CONTRACTS

### 16.15.1 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.

### 16.15.2 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.

### 16.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.15.4 Primary Key Columns

Name
CONTRACTYEAR
QUARTER
TRANCHE

### 16.15.5 Index Columns

Name
LASTCHANGED

### 16.15.6 Content

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

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

## 16.16 Table: RESIDUE\_FUNDS\_BID

### 16.16.1 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.

### 16.16.2 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.

### 16.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 16.16.4 Primary Key Columns

Name  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID  
 LOADDATE  
 OPTIONID  
 PARTICIPANTID

### 16.16.5 Index Columns

Name  
 LASTCHANGED

### 16.16.6 Content

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

## 16.17 Table: RESIDUE\_PRICE\_BID

### 16.17.1 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.

### 16.17.2 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.

### 16.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 16.17.4 Primary Key Columns

Name
AUCTIONID
LOADDATE
OPTIONID
PARTICIPANTID

### 16.17.5 Index Columns

Name
LASTCHANGED

### 16.17.6 Content

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

		March 2003 to support SRA Inter-Temporal Linking)
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## 16.18 Table: RESIDUE\_PRICE\_FUNDS\_BID

### 16.18.1 RESIDUE\_PRICE\_FUNDS\_BID

Name	RESIDUE_PRICE_FUNDS_BID
Comment	RESIDUE_PRICE_FUNDS_BID shows 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.

### 16.18.2 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.

### 16.18.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.18.4 Primary Key Columns

Name  
 AUCTIONID  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID  
 LINKEDBIDFLAG

### 16.18.5 Index Columns

Name  
 LASTCHANGED

### 16.18.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(30)	X	Unique id for each contract specified by AEMO
INTERCONNECTORID	varchar(10)	X	Unique interconnector identifier
FROMREGIONID	varchar(10)	X	Unique region identifier
UNITS	numeric(5,0)		Quantity of units bid
BIDPRICE	numeric(17,5)		Price bid for each unit
LINKEDBIDFLAG	numeric(6,0)	X	A unique option id, with respect to the auction, created to show which bid elements are linked.
AUCTIONID	varchar(30)	X	Unique id for each auction date
LASTCHANGED	datetime		Date and time this record was last changed



## 16.19 Table: RESIDUE\_PUBLIC\_DATA

### 16.19.1 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.

### 16.19.2 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.

### 16.19.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.19.4 Primary Key Columns

Name
CONTRACTID
FROMREGIONID
INTERCONNECTORID
VERSIONNO

### 16.19.5 Index Columns

Name
LASTCHANGED

### 16.19.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(30)	X	Unique id for each contract to be specified by AEMO
VERSIONNO	numeric(3,0)	X	Version Number
INTERCONNECTORID	varchar(10)	X	Unique interconnector identifier
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
UNITSOFFERED	numeric(5,0)		Total units offered for auction

UNITSSOLD	numeric(16,6)		Units Sold (modified format and usage in March 2003 to support SRA Inter-Temporal Linking)
CLEARINGPRICE	numeric(17,5)		Clearing price
RESERVEPRICE	numeric(17,5)		Reserve price
LASTCHANGED	datetime		Date and time this record was last changed

## 16.20 Table: RESIDUE\_TRK

### 16.20.1 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.

### 16.20.2 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.

### 16.20.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.20.4 Primary Key Columns

Name
AUCTIONID
VERSIONNO

### 16.20.5 Index Columns

Name
LASTCHANGED

### 16.20.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(30)		SRA Contract identifier
VERSIONNO	numeric(3,0)	X	Contract run version
RUNDATE	datetime		Date auction results determined
AUTHORISEDDATE	datetime		Date results published
AUTHORISEREDBY	varchar(15)		Authorising officer or process
POSTDATE	datetime		Date the run is authorised
POSTEDBY	varchar(15)		Name of authorising officer or process
LASTCHANGED	datetime		Last date and time record changed
STATUS	varchar(15)		Load status [SUCCESSFUL/CORRUPT]
AUCTIONID	varchar(30)	X	Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking)

## 16.21 Table: RESIDUECONTRACTPAYMENTS

### 16.21.1 RESIDUECONTRACTPAYMENTS

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

### 16.21.2 Description

RESIDUECONTRACTPAYMENTS data is confidential to the relevant participant.

### 16.21.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 16.21.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID

### 16.21.5 Index Columns

Name  
 LASTCHANGED

### 16.21.6 Content

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

## 16.22 Table: RESIDUEFILETRK

### 16.22.1 RESIDUEFILETRK

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

### 16.22.2 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).

### 16.22.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 16.22.4 Primary Key Columns

Name  
 AUCTIONID  
 LOADDATE  
 PARTICIPANTID

### 16.22.5 Index Columns

Name  
 LASTCHANGED

### 16.22.6 Content

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

## 16.23 Table: VALUATIONID

### 16.23.1 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.

### 16.23.2 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.

### 16.23.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 16.23.4 Primary Key Columns

Name
VALUATIONID

### 16.23.5 Index Columns

Name
LASTCHANGED

### 16.23.6 Content

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

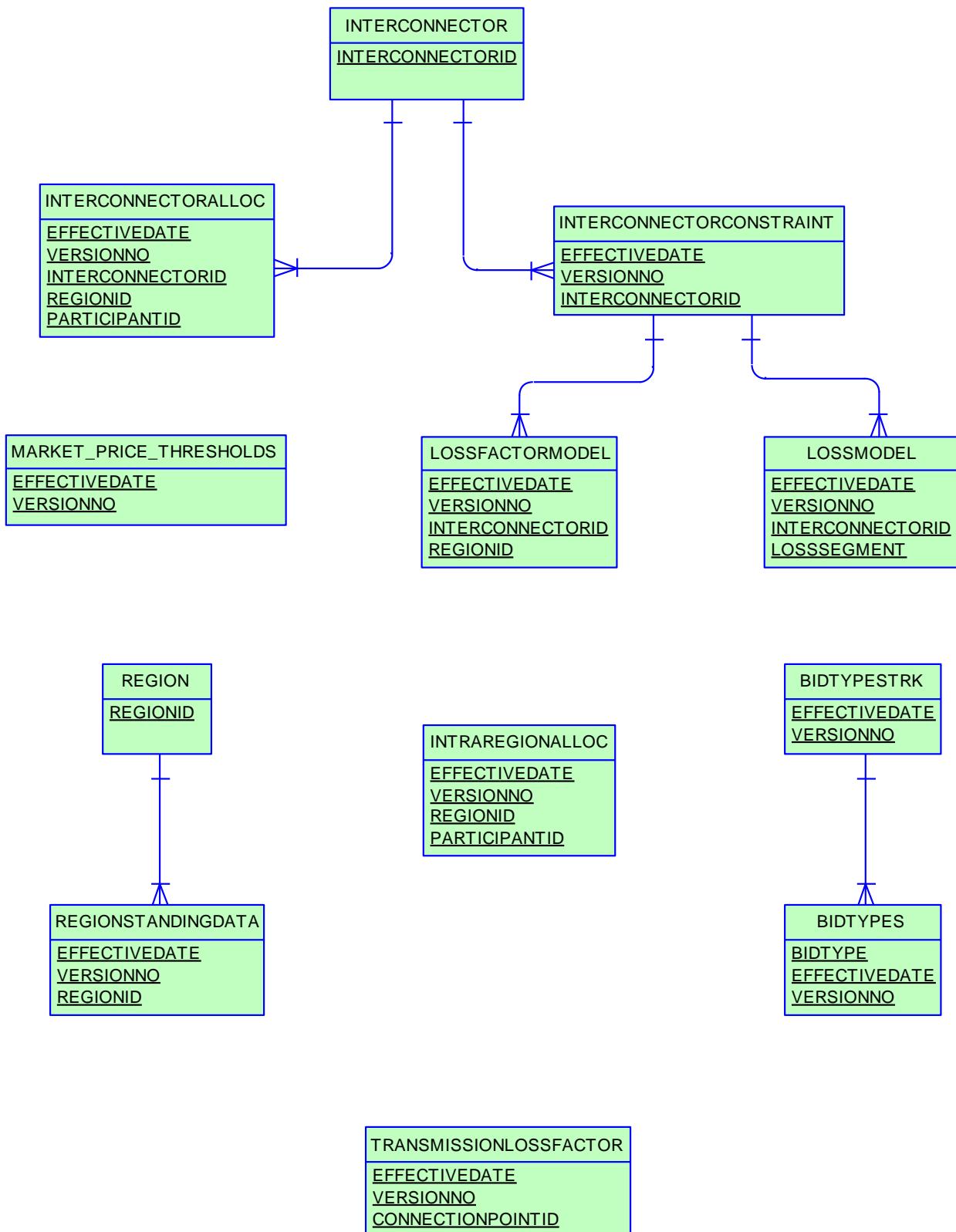
## 17 Package: MARKET\_CONFIG

Name	MARKET_CONFIG
Comment	Standing data for the market

### 17.1 List of tables

Name	Comment
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.
BIDTYPESTRK	BIDTYPESTRK, together with the associated data in BIDTYPES, define a set of ancillary services with bidding parameters from a given date.
INTERCONNECTOR	INTERCONNECTOR sets out valid identifiers for each interconnector.
INTERCONNECTORALLOC	INTERCONNECTORALLOC shows allocations of interconnector residues to Network Service Providers.
INTERCONNECTORCONSTRAINT	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.
INTRAREGIONALLOC	INTRAREGIONALLOC shows allocations of intra-regional residues to participants.
LOSSFACTORMODEL	LOSSFACTORMODEL sets out the demand coefficients for each interconnector, used by LP Solver modelling of interconnector flows.
LOSSMODEL	LOSSMODEL sets out segment breakpoints in loss model for each interconnector, used by LP Solver modelling of interconnector flows.
MARKET_PRICE_THRESHOLDS	MARKET_PRICE_THRESHOLDS sets out the market cap , floor and administered price thresholds applying to the electricity market
REGION	REGION sets out valid region IDs.
REGIONSTANDINGDATA	REGIONSTANDINGDATA sets out standing region data including the region reference node.
TRANSMISSIONLOSSFACTOR	TRANSMISSIONLOSSFACTOR shows the Transmission Loss factors applied at each connection point.

## 17.2 Diagram: Entities: Market Standing Data



## 17.3 Table: BIDTYPES

### 17.3.1 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.

### 17.3.2 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.

### 17.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.3.4 Primary Key Columns

Name  
 BIDTYPE  
 EFFECTIVEDATE  
 VERSIONNO

### 17.3.5 Index Columns

Name  
 LASTCHANGED

### 17.3.6 Content

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

SPDALIAS	varchar(10)		Alias for this BIDTYPE used in the SPD Solver
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## 17.4 Table: BIDTYPESTRK

### 17.4.1 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.

### 17.4.2 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.

### 17.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.4.4 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO

### 17.4.5 Index Columns

Name
LASTCHANGED

### 17.4.6 Content

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

## 17.5 Table: INTERCONNECTOR

### 17.5.1 INTERCONNECTOR

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

### 17.5.2 Description

INTERCONNECTOR is public data, available to all participants.

#### Source

INTERCONNECTOR changes infrequently, usually annually.

### 17.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.5.4 Primary Key Columns

Name
INTERCONNECTORID

### 17.5.5 Index Columns

Name
LASTCHANGED

### 17.5.6 Content

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

## 17.6 Table: INTERCONNECTORALLOC

### 17.6.1 INTERCONNECTORALLOC

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

### 17.6.2 Description

INTERCONNECTORALLOC data is confidential to the relevant participant.

#### Source

INTERCONNECTORALLOC changes infrequently, typically annually.

### 17.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 17.6.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 INTERCONNECTORID  
 PARTICIPANTID  
 REGIONID  
 VERSIONNO

### 17.6.5 Index Columns

Name  
 LASTCHANGED

### 17.6.6 Content

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

## 17.7 Table: INTERCONNECTORCONSTRAINT

### 17.7.1 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.

### 17.7.2 Description

INTERCONNECTORCONSTRAINT is public data, available to all participants.

#### Source

INTERCONNECTORCONSTRAINT changes infrequently, typically annually.

### 17.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.7.4 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
VERSIONNO

### 17.7.5 Index Columns

Name
LASTCHANGED

### 17.7.6 Content

Name	Data Type	Mandatory	Comment
RESERVEOVERALLLOADFACTOR	numeric(5,2)		SPD Factor
FROMREGIONLOSSSSHARE	numeric(5,2)		Loss share attributable to from region
EFFECTIVEDATE	datetime	X	Date that this limit is effective from
VERSIONNO	numeric(3,0)	X	Version for this date
INTERCONNECTORID	varchar(10)	X	Unique Id of this interconnector
MAXMWIN	numeric(15,5)		Limit of energy flowing into the RegionFrom
MAXMWOUT	numeric(15,5)		Limit of energy flowing out of the Region
LOSSCONSTANT	numeric(15,6)		Constant Loss factor
LOSSFLOWCOEFFICIENT	numeric(27,17)		Linear coefficient of loss factor calculation
EMSMEASURAND	varchar(40)		Identifies the EMS entity that represents

			the interconnector flow
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
DYNAMICRHS	varchar(1)		Not used
IMPORTLIMIT	numeric(6,0)		Interconnector import limit
EXPORTLIMIT	numeric(6,0)		Interconnector export limit
OUTAGEDERATIONFACTOR	numeric(15,5)		SPD Factor
NONPHYSICALLOSSFACTOR	numeric(15,5)		Factor for non-physical losses rerun
OVERLOADFACTOR60SEC	numeric(15,5)		Interconnector overload for 60 sec
OVERLOADFACTOR6SEC	numeric(15,5)		Interconnector overload for 6 sec
LASTCHANGED	datetime		Last date and time record changed
FCASSUPPORTUNAVAILABLE	numeric(1,0)		Flag to indicate that the interconnector cannot support FCAS Transfers
ICTYPE	varchar(10)		Interconnector type - Currently either "REGULATED" or "MNSP"

## 17.8 Table: INTRAREGIONALLOC

### 17.8.1 INTRAREGIONALLOC

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

### 17.8.2 Description

INTRAREGIONALLOC data is confidential to the relevant participant.

#### Source

The data in INTRAREGIONALLOC changes infrequently.

### 17.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 17.8.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PARTICIPANTID  
 REGIONID  
 VERSIONNO

### 17.8.5 Index Columns

Name  
 LASTCHANGED

### 17.8.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective Date of Allocation Details
VERSIONNO	numeric(5,0)	X	Version No in respect to effective date
REGIONID	varchar(10)	X	Region Identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
ALLOCATION	numeric(12,5)		Allocation Percent / 100
LASTCHANGED	datetime		Last changed date/time

## 17.9 Table: LOSSFACTORMODEL

### 17.9.1 LOSSFACTORMODEL

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

### 17.9.2 Description

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

#### Source

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

### 17.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.9.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 INTERCONNECTORID  
 REGIONID  
 VERSIONNO

### 17.9.5 Index Columns

Name  
 LASTCHANGED

### 17.9.6 Content

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

## 17.10 Table: LOSSMODEL

### 17.10.1 LOSSMODEL

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

### 17.10.2 Description

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

#### Source

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

### 17.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.10.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 INTERCONNECTORID  
 LOSSSEGMENT  
 VERSIONNO

### 17.10.5 Index Columns

Name  
 LASTCHANGED

### 17.10.6 Content

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

## 17.11 Table: MARKET\_PRICE\_THRESHOLDS

### 17.11.1 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

### 17.11.2 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.

### 17.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.11.4 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO

### 17.11.5 Index Columns

Name
LASTCHANGED

### 17.11.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Calendar date that this record becomes effective
VERSIONNO	numeric(4,0)	X	version no for the effective date
VOLL	numeric(15,5)		value of lost load if total supply falls short of demand after load management then involuntary load
MARKETPRICEFLOOR	numeric(15,5)		The floor price that the spot market price will not fall below.
ADMINISTERED_PRICE_THRESHOLD	numeric(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
AUTHORISED_DATE	datetime		date data authorised
AUTHORISED_BY	varchar(15)		user authorising
LASTCHANGED	datetime		Last date and time record changed

## 17.12 Table: REGION

### 17.12.1 REGION

Name	REGION
Comment	REGION sets out valid region IDs.

### 17.12.2 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.

### 17.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.12.4 Primary Key Columns

Name
REGIONID

### 17.12.5 Index Columns

Name
LASTCHANGED

### 17.12.6 Content

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

## 17.13 Table: REGIONSTANDINGDATA

### 17.13.1 REGIONSTANDINGDATA

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

### 17.13.2 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.

### 17.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.13.4 Primary Key Columns

Name
EFFECTIVEDATE
REGIONID
VERSIONNO

### 17.13.5 Index Columns

Name
LASTCHANGED

### 17.13.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of this record, only the latest date applies
VERSIONNO	numeric(3,0)	X	Version No of the standing data that should be effective on this date
REGIONID	varchar(10)	X	Differentiates this region from all other regions
RSOID	varchar(10)		the unique identifier of the participant with responsibility for the region.
REGIONALREFERENCEPOINTID	varchar(10)		unique id of a connection point, being the reference point for this region
PEAKTRADINGPERIOD	numeric(3,0)		Period identifier of the peak trading period of this connection point
AUTHORISEDDATE	datetime		Date record authorised
AUTHORISEDBY	varchar(15)		User authorising record
SCALINGFACTOR	numeric(15,5)		Scaling factor for regional FCAS requirement
LASTCHANGED	datetime		Last date and time record changed



## 17.14 Table: TRANSMISSIONLOSSFACTOR

### 17.14.1 TRANSMISSIONLOSSFACTOR

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

### 17.14.2 Description

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

#### Source

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

### 17.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 17.14.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE
VERSIONNO

### 17.14.5 Index Columns

Name
LASTCHANGED

### 17.14.6 Content

Name	Data Type	Mandatory	Comment
TRANSMISSIONLOSSFACTOR	numeric(15,5)	X	Transmission Loss Factor
EFFECTIVEDATE	datetime	X	Effective date of record
VERSIONNO	numeric(22,0)	X	Version no of record for given effective date
CONNECTIONPOINTID	varchar(10)	X	Connection Point ID
REGIONID	varchar(10)		
LASTCHANGED	datetime		Record creation timestamp
SECONDARY_TLF	numeric(18,8)		Secondary transmission loss factor applied in settlements for generator purchases.

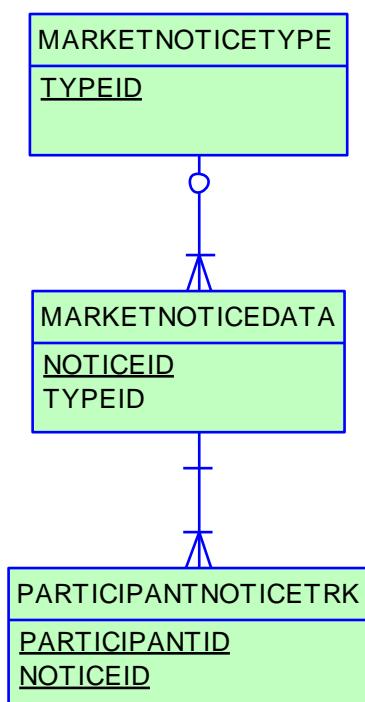
## 18 Package: MARKET\_NOTICE

Name	MARKET_NOTICE
Comment	Market Notice data

### 18.1 List of tables

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

### 18.2 Diagram: Entities: Market Notices



## 18.3 Table: MARKETNOTICEDATA

### 18.3.1 MARKETNOTICEDATA

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

### 18.3.2 Description

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

#### Source

MARKETNOTICEDATA updates immediately available.

### 18.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private & Public

### 18.3.4 Primary Key Columns

Name
NOTICEID

### 18.3.5 Index Columns

Name
LASTCHANGED

### 18.3.6 Content

Name	Data Type	Mandatory	Comment
NOTICEID	numeric(10,0)	X	Notice Identifier
EFFECTIVEDATE	datetime		Effective Date of Market notice
TYPEID	varchar(25)		Market Notice Type Identifier (Market - all participants. Participant - selected participants)
NOTICETYPE	varchar(25)		Market Notice Type
LASTCHANGED	datetime		Last date and time record changed
REASON	varchar(2000)		Detail of market notices.
EXTERNALREFERENCE	varchar(255)		External Reference for extra data pertaining to market notice

## 18.4 Table: MARKETNOTICETYPE

### 18.4.1 MARKETNOTICETYPE

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

### 18.4.2 Description

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

#### Source

MARKETNOTICETYPE updates whenever market notice types change.

### 18.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 18.4.4 Primary Key Columns

Name
TYPEID

### 18.4.5 Index Columns

Name
LASTCHANGED

### 18.4.6 Content

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

## 18.5 Table: PARTICIPANTNOTICETRK

### 18.5.1 PARTICIPANTNOTICETRK

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

### 18.5.2 Description

PARTICIPANTNOTICETRK data is Confidential to the relevant participant.

#### Source

PARTICIPANTNOTICETRK updates immediately, whenever a participant notice is issued.

### 18.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 18.5.4 Primary Key Columns

Name  
 NOTICEID  
 PARTICIPANTID

### 18.5.5 Index Columns

Name  
 LASTCHANGED

### 18.5.6 Index Columns

Name  
 PARTICIPANTID

### 18.5.7 Content

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

## 19 Package: METER\_DATA

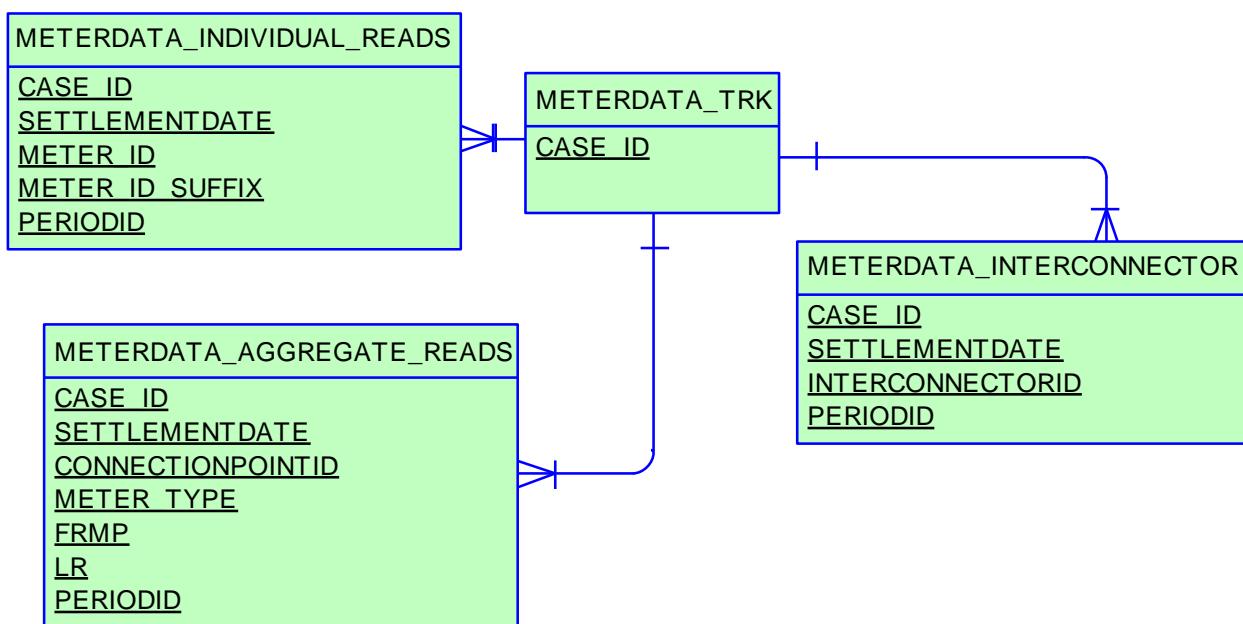
Name	METER_DATA
Comment	Wholesale market aggregated Meter data

### 19.1 List of tables

Name	Comment
METERDATA_AGGREGATE_READS	Publishes aggregated metering data associated with a wholesale connection point for a given CASE_ID
METERDATA_INDIVIDUAL_READS	Publishes metering data associated with individual metering points for a given CASE_ID
METERDATA_INTERCONNECTOR	Publishes metering data associated with wholesale interconnectors for a given CASE_ID
METERDATA_TRK	Tracking table for the publication of wholesale settlement data associated with BILLING run

## 19.2 Diagram: Entities: Meter Data

Note: Include MDA = MeteringDataAgent in any join



## 19.3 Table: METERDATA\_AGGREGATE\_READS

### 19.3.1 METERDATA\_AGGREGATE\_READS

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

### 19.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 19.3.3 Primary Key Columns

Name  
 CASE\_ID  
 CONNECTIONPOINTID  
 FRMP  
 LR  
 METER\_TYPE  
 PERIODID  
 SETTLEMENTDATE

### 19.3.4 Index Columns

Name  
 CASE\_ID  
 SETTLEMENTDATE  
 CONNECTIONPOINTID  
 METER\_TYPE  
 FRMP  
 LR  
 PERIODID

### 19.3.5 Content

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

## 19.4 Table: METERDATA\_INDIVIDUAL\_READS

### 19.4.1 METERDATA\_INDIVIDUAL\_READS

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

### 19.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 19.4.3 Primary Key Columns

Name  
 CASE\_ID  
 METER\_ID  
 METER\_ID\_SUFFIX  
 PERIODID  
 SETTLEMENTDATE

### 19.4.4 Index Columns

Name  
 CASE\_ID  
 SETTLEMENTDATE  
 METER\_ID  
 METER\_ID\_SUFFIX  
 PERIODID

### 19.4.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	numeric(15,0)	X	Case Identifier
SETTLEMENTDATE	datetime	X	Settlement date within the case
METER_ID	varchar(20)	X	The National Metering Identifier (NMI)
METER_ID_SUFFIX	varchar(20)	X	The National Metering Identifier (NMI) data stream
FRMP	varchar(20)	X	The financially responsible market participantid
LR	varchar(20)	X	The local retailer at the connection point id
PERIODID	numeric(3,0)	X	The settlement interval identifier
CONNECTIONPOINTID	varchar(20)	X	Connection Point ID
METER_TYPE	varchar(20)	X	The meter type for the read, one of: CUSTOMER; GENERATOR; EMBEDDED GENERATOR
IMPORTVALUE	numeric(18,8)	X	The import(pool-centric) value for the meter read (MWh)
EXPORTVALUE	numeric(18,8)	X	The export(pool-centric) value for the meter read (MWh)
LASTCHANGED	datetime		Last changed date for the record

## 19.5 Table: METERDATA\_INTERCONNECTOR

### 19.5.1 METERDATA\_INTERCONNECTOR

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

### 19.5.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 19.5.3 Primary Key Columns

Name  
 CASE\_ID  
 INTERCONNECTORID  
 PERIODID  
 SETTLEMENTDATE

### 19.5.4 Index Columns

Name  
 CASE\_ID  
 SETTLEMENTDATE  
 INTERCONNECTORID  
 PERIODID

### 19.5.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	numeric(15,0)	X	Case Identifier
SETTLEMENTDATE	datetime	X	Settlement date within the case
INTERCONNECTORID	varchar(20)	X	Interconnector Identifier
PERIODID	numeric(3,0)	X	The settlement interval identifier
IMPORTVALUE	numeric(18,8)		The import direction value for the meter read (MWh)
EXPORTVALUE	numeric(18,8)		The export direction value for the meter read (MWh)
LASTCHANGED	datetime		Last changed date for the record

## 19.6 Table: METERDATA\_TRK

### 19.6.1 METERDATA\_TRK

Name	METERDATA_TRK
Comment	Tracking table for the publication of wholesale settlement data associated with BILLING run

### 19.6.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 19.6.3 Primary Key Columns

Name
CASE_ID

### 19.6.4 Index Columns

Name
CASE_ID

### 19.6.5 Content

Name	Data Type	Mandatory	Comment
CASE_ID	numeric(15,0)	X	Case Identifier
AGGREGATE_READS_LOAD_DATETIME	datetime		Timestamp of the aggregated reads being loaded for this case
INDIVIDUAL_READS_LOAD_DATETIME	datetime		Timestamp of the non aggregated reads being loaded for this case
STARTDATE	datetime		The start date of data associated with the CASE_ID
ENDDATE	datetime		The end date of data associated with the Case_ID
LASTCHANGED	datetime		Last changed date for the record

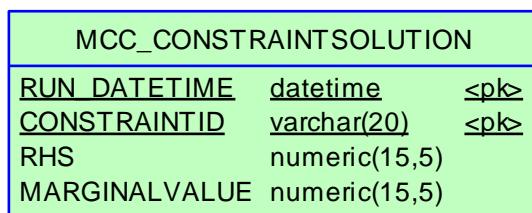
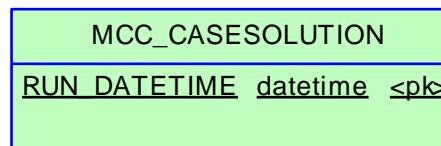
## 20 Package: MCC\_DISPATCH

<i>Name</i>	MCC_DISPATCH
<i>Comment</i>	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"

### 20.1 List of tables

Name	Comment
MCC_CASESOLUTION	Top level table for each MCC dispatch rerun process. Note there will be one record for each dispatch interval
MCC_CONSTRAINTSOLUTION	Constraint solution data from the MCC dispatch rerun process. Note only constraints with a non-zero marginal value are published.

### 20.2 Diagram: Entities: MCC\_Dispatch



## 20.3 Table: MCC\_CASESOLUTION

### 20.3.1 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

### 20.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 20.3.3 Primary Key Columns

Name
RUN_DATETIME

### 20.3.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	5-minute Dispatch Run identifier

## 20.4 Table: MCC\_CONSTRAINTSOLUTION

### 20.4.1 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.

### 20.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 20.4.3 Primary Key Columns

Name
CONSTRAINTID
RUN_DATETIME

### 20.4.4 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	5-minute Dispatch Run identifier
CONSTRAINTID	varchar(20)	X	Generic Constraint identifier (synonymous with GenConID)
RHS	numeric(15,5)		Generic Constraint RHS Value for this MCC run
MARGINALVALUE	numeric(15,5)		Generic Constraint Marginal Value for this MCC run

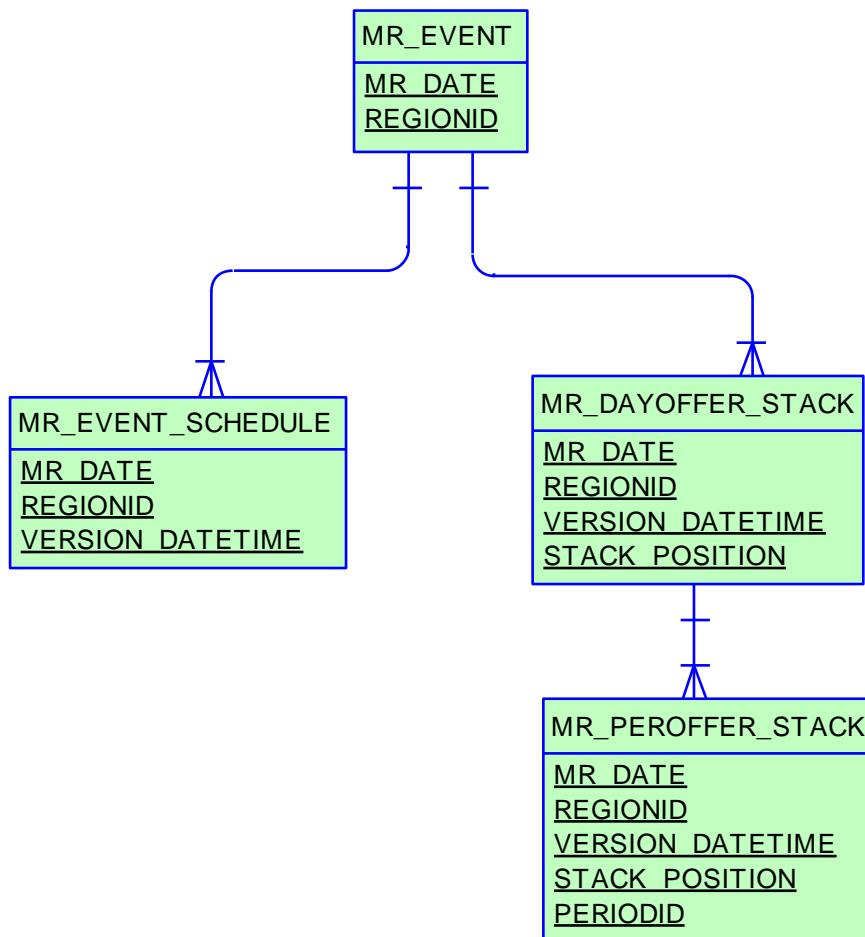
## 21 Package: MREVENT

Name	MREVENT
Comment	Mandatory Restrictions Event data

### 21.1 List of tables

Name	Comment
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.
MR_EVENT	MR_EVENT defines an MR Event for a given region on a specific trading date.
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.
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.

## 21.2 Diagram: Entities: MR Events



## 21.3 Table: MR\_DAYOFFER\_STACK

### 21.3.1 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.

### 21.3.2 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

### 21.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 21.3.4 Primary Key Columns

Name  
 MR\_DATE  
 REGIONID  
 STACK\_POSITION  
 VERSION\_DATETIME

### 21.3.5 Index Columns

Name  
 LASTCHANGED

### 21.3.6 Content

Name	Data Type	Mandat	Comment

		ory	
MR_DATE	datetime	X	Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique RegionID
VERSION_DATETIME	datetime	X	Allows many Stack versions
STACK_POSITION	numeric(3,0)	X	Loss Adjusted Offer Factor Stack order starting at 1
DUID	varchar(10)		Dispatchable Unit ID or LinkID
AUTHORISED	numeric(1,0)		Confirms the unit is allowed to Contribute MR Capacity
OFFER_SETTLEMENTDATE	datetime		Foreign key reference to XXXX_DayOffer.SettlementDate
OFFER_OFFERDATE	datetime		Foreign key reference to XXXX_DayOffer.OfferDate
OFFER_VERSIONNO	numeric(3,0)		Foreign key reference to XXXX_DayOffer.VersionNo
OFFER_TYPE	varchar(20)		Source tables - ENERGY or MNSP
LAOF	numeric(16,6)		Loss Adjusted Offer Factor = TLF times MR_Factor
LASTCHANGED	datetime		Date and time the record was last inserted/modified

## 21.4 Table: MR\_EVENT

### 21.4.1 MR\_EVENT

Name	MR_EVENT
Comment	MR_EVENT defines an MR Event for a given region on a specific trading date.

### 21.4.2 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

### 21.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 21.4.4 Primary Key Columns

Name  
 MR\_DATE  
 REGIONID

### 21.4.5 Index Columns

Name  
 LASTCHANGED

### 21.4.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	datetime	X	Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique RegionID
DESCRIPTION	varchar(200)		Description of MR
AUTHORISEDDATE	datetime		Required for MR_Event to take effect
AUTHORISEDBY	varchar(20)		Ignored - Tracking purpose only
OFFER_CUT_OFF_TIM	datetime		Cut off after when new Offers and Scaling

E			Factor changes are disallowed
SETTLEMENT_COMPL ETE	numeric(1,0)		Flag:1 = MR settlement figures locked. Do not recalculate, · 0 = MR settlements to be recalculated
LASTCHANGED	datetime		Date/Time record inserted/modified

## 21.5 Table: MR\_EVENT\_SCHEDULE

### 21.5.1 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.

### 21.5.2 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

### 21.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 21.5.4 Primary Key Columns

Name  
 MR\_DATE  
 REGIONID  
 VERSION\_DATETIME

### 21.5.5 Index Columns

Name  
 LASTCHANGED

### 21.5.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	datetime	X	Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique RegionID

VERSION_DATETIME	datetime	X	Effective Date/Time of Schedule; Allows many Stack versions
DEMAND_EFFECTIVEDATE	datetime		Foreign key reference to ResDemandTrk.EffectiveDate
DEMAND_OFFERDATE	datetime		Foreign key reference to ResDemandTrk.OfferDate
DEMAND_VERSIONNO	numeric(3,0)		Foreign key reference to ResDemandTrk.VersionNo
AUTHORISEDBY	varchar(20)		Authorised person confirming Offer Stack (AKA Acceptance)
AUTHORISEDDATE	datetime		Date and time the Offer Stack confirmed
LASTCHANGED	datetime		Date and time the record was inserted/modified

## 21.6 Table: MR\_PEROFFER\_STACK

### 21.6.1 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.

### 21.6.2 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

### 21.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 21.6.4 Primary Key Columns

Name  
 MR\_DATE  
 PERIODID  
 REGIONID  
 STACK\_POSITION  
 VERSION\_DATETIME

### 21.6.5 Index Columns

Name  
 LASTCHANGED

## 21.6.6 Content

Name	Data Type	Mandatory	Comment
MR_DATE	datetime	X	Mandatory Restriction imposition date
REGIONID	varchar(10)	X	Unique RegionID
VERSION_DATETIME	datetime	X	Allows many Period Stack versions for the one Scaling Factor stack
STACK_POSITION	numeric(3,0)	X	LAOF Stack order
PERIODID	numeric(3,0)	X	Trade Period for the MR Offer
DUID	varchar(10)		Dispatchable Unit ID or LinkID. Only required here for CSV reports
ACCEPTED_CAPACITY	numeric(6,0)		MR Capacity to be Dispatched
DEDUCTED_CAPACITY	numeric(6,0)		Requested capacity reduction amount
LASTCHANGED	datetime		Date and time the record was last inserted/modified

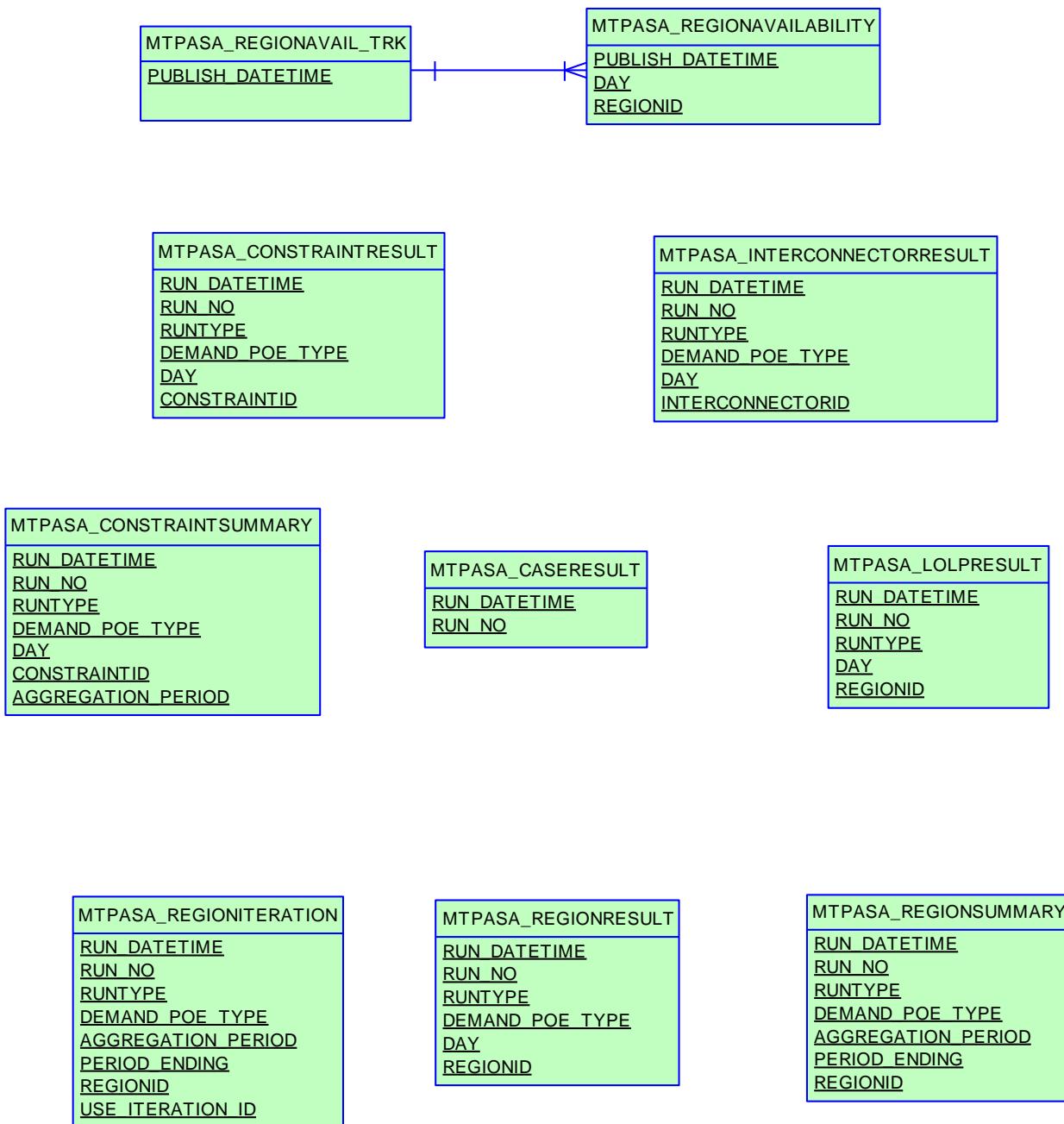
## 22 Package: MTPASA

<i>Name</i>	MTPASA
<i>Comment</i>	Results from a published Medium Term PASA Run and region-aggregate offered PASA Availability of scheduled generators

### 22.1 List of tables

Name	Comment
MTPASA_CASERESULT	MTPASA solution header table
MTPASA_CONSTRAINTRESULT	Constraint results for Binding or Violating Constraints
MTPASA_CONSTRAINTSUMMARY	Constraint Summary results over aggregation periods
MTPASA_INTERCONNECTORRESULT	Interconnector results for interval of max demand per day
MTPASA_LOLPRESULT	Results for Loss of Load Probability (LOLP) run per day
MTPASA_REGIONAVAIL_TRACK	The tracking table to assist in versioning of the region-aggregate offered PASA Availability data published to the MTPASA_REGIONAVAILABILITY table.
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.
MTPASA_REGIONITERATION	Region results for Unserved Energy (USE)
MTPASA_REGIONRESULT	Region results for interval of max demand per day.
MTPASA_REGIONSUMMARY	Region Results summary over aggregation periods.

## 22.2 Diagram: Entities: MT PASA



## 22.3 Table: MTPASA\_CASERESULT

### 22.3.1 MTPASA\_CASERESULT

Name	MTPASA_CASERESULT
Comment	MTPASA solution header table

### 22.3.2 Description

MTPASA\_CASERESULT is public data.

Holds one Record for entire solution

### 22.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.3.4 Primary Key Columns

Name
RUN_DATETIME
RUN_NO

### 22.3.5 Content

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

## 22.4 Table: MTPASA\_CONSTRAINTRESULT

### 22.4.1 MTPASA\_CONSTRAINTRESULT

Name	MTPASA_CONSTRAINTRESULT
Comment	Constraint results for Binding or Violating Constraints

### 22.4.2 Description

MTPASA\_CONSTRAINTRESULT is public data.

### 22.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.4.4 Primary Key Columns

Name  
 CONSTRAINTID  
 DAY  
 DEMAND\_POE\_TYPE  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 22.4.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins.
RUN_NO	numeric(4)	X	Unique run id.
RUNTYPE	varchar(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	varchar(20)	X	Demand POE type used. Value is POE10
DAY	datetime	X	Day this result is for
CONSTRAINTID	varchar(20)	X	The unique identifier for the constraint. Only binding or violating constraints are reported
EFFECTIVEDATE	datetime		The effective date of the constraint used
VERSIONNO	numeric(3,0)		The version of the constraint used
PERIODID	numeric(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	numeric(8,5)		Proportion of a constraint binding, across iterations and reference years
PROBABILITYOFVIOLATION	numeric(8,5)		Proportion of a constraint violating, across iterations and reference years
CONSTRAINTVIOLATION90	numeric(12,2)		The 90th percentile violation degree for this constraint, across iterations and reference years (MW)
CONSTRAINTVIOLATIO	numeric(12,2)		The 50th percentile violation degree for

N50			this constraint, across iterations and reference years (MW)
CONSTRAINTVIOLATION10	numeric(12,2)		The 10th percentile violation degree for this constraint, across iterations and reference years (MW)
LASTCHANGED	datetime		Last date and time record changed

## 22.5 Table: MTPASA\_CONSTRAINTSUMMARY

### 22.5.1 MTPASA\_CONSTRAINTSUMMARY

Name	MTPASA_CONSTRAINTSUMMARY
Comment	Constraint Summary results over aggregation periods

### 22.5.2 Description

MTPASA\_CONSTRAINTSUMMARY is public data.

### 22.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.5.4 Primary Key Columns

Name  
 AGGREGATION\_PERIOD  
 CONSTRAINTID  
 DAY  
 DEMAND\_POE\_TYPE  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 22.5.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins.
RUN_NO	numeric(4)	X	Unique run id.
RUNTYPE	varchar(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	varchar(20)	X	Demand POE type used. Value is POE10
DAY	datetime	X	Day this result is for
CONSTRAINTID	varchar(20)	X	The unique identifier for the constraint. Only binding or violating constraints are reported
EFFECTIVEDATE	datetime		The effective date of the constraint used
VERSIONNO	numeric(3,0)		The version of the constraintID
AGGREGATION_PERIOD	varchar(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	numeric(12,2)		Constraint hours binding or violating for period, averaged across iterations and reference years
LASTCHANGED	datetime		Last date and time record changed

## 22.6 Table: MTPASA\_INTERCONNECTORRESULT

### 22.6.1 MTPASA\_INTERCONNECTORRESULT

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

### 22.6.2 Description

MTPASA\_INTERCONNECTORRESULT is public data.

### 22.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.6.4 Primary Key Columns

Name  
 DAY  
 DEMAND\_POE\_TYPE  
 INTERCONNECTORID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 22.6.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins.
RUN_NO	numeric(4)	X	Unique run id.
RUNTYPE	varchar(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	varchar(20)	X	Demand POE type used. Value is POE10
DAY	datetime	X	Day this result is for
INTERCONNECTORID	varchar(20)	X	The unique identifier for the interconnector
PERIODID	numeric(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	numeric(12,2)		The 90th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW)
FLOW50	numeric(12,2)		The 50th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW)
FLOW10	numeric(12,2)		The 10th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values

			indicate importing (MW)
PROBABILITYOFBINDIN GEXPORT	numeric(8,5)		Proportion of iterations and reference years with interconnector constrained when exporting
PROBABILITYOFBINDIN GIMPORT	numeric(8,5)		Proportion of iterations and reference years with interconnector constrained when importing
CALCULATEDEXPORTLIMIT	numeric(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	numeric(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	datetime		Last date and time record changed

## 22.7 Table: MTPASA\_LOLPRESULT

### 22.7.1 MTPASA\_LOLPRESULT

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

### 22.7.2 Description

MTPASA\_LOLPRESULT is public data.

### 22.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.7.4 Primary Key Columns

Name  
 DAY  
 REGIONID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 22.7.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins.
RUN_NO	numeric(4)	X	Unique run id.
RUNTYPE	varchar(20)	X	Type of run. Always LOLP
DAY	datetime	X	Day this result is for
REGIONID	varchar(20)	X	The unique region identifier
WORST_INTERVAL_PE RIODID	numeric(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_DE MAND	numeric(12,2)		The Abstract Operational Demand for the worst interval in this region (MW)
WORST_INTERVAL_INT GEN	numeric(12,2)		The half hourly aggregate intermittent generation for the worst interval in this region (MW)
WORST_INTERVAL_DS P	numeric(12,2)		The half hourly aggregate demand side participation for the worst interval period in this region (MW)
LOSSOFLOADPROBABIL ITY	numeric(8,5)		Loss of Load Probability for the worst interval in this region
LOSSOFLOADMAGNIT UDE	varchar(20)		Loss of Load Magnitude for the worst interval in this region. Values are LOW, MEDIUM, HIGH
LASTCHANGED	datetime		Last date and time record changed

## 22.8 Table: MTPASA\_REGIONAVAIL\_TRK

### 22.8.1 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.

### 22.8.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.8.3 Primary Key Columns

Name
PUBLISH_DATETIME

### 22.8.4 Content

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

## 22.9 Table: MTPASA\_REGIONAVAILABILITY

### 22.9.1 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.

### 22.9.2 Description

MTPASA\_REGIONAVAILABILITY is public data.

### 22.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.9.4 Primary Key Columns

Name  
 DAY  
 PUBLISH\_DATETIME  
 REGIONID

### 22.9.5 Content

Name	Data Type	Mandatory	Comment
PUBLISH_DATETIME	datetime	X	Date Time the report was published.
DAY	datetime	X	Date on which the aggregation applies.
REGIONID	varchar(20)	X	NEM Region.
PASAAVAILABILITY_SC HEDULED	numeric(12,0)		Aggregate of the offered PASA Availability for all Scheduled generators in this region.
LATEST_OFFER_DATE TIME	datetime		Date Time of the latest offer used in the aggregation for this region and date.
ENERGYUNCONSTRAI NEDCAPACITY	numeric(12,0)		Region energy unconstrained MW capacity
ENERGYCONSTRAINE DCAPACITY	numeric(12,0)		Region energy constrained MW capacity
NONSCHEDULEDGENE RATION	numeric(12,2)		Allowance made for non-scheduled generation in the demand forecast (MW)
DEMAND10	numeric(12,2)		10% probability demand (ex non-scheduled demand)
DEMAND50	numeric(12,2)		50% probability demand (ex non-scheduled demand)
ENERGYREQDEMAND1 0	numeric(12,2)		Total weekly operational as generated consumption (POE 10)
ENERGYREQDEMAND5 0	numeric(12,2)		Total weekly operational as generated consumption (POE 50)
LASTCHANGED	datetime		Last date and time record changed

## 22.10 Table: MTPASA\_REGIONITERATION

### 22.10.1 MTPASA\_REGIONITERATION

Name	MTPASA_REGIONITERATION
Comment	Region results for Unserved Energy (USE)

### 22.10.2 Description

MTPASA\_REGIONITERATION is public data.

### 22.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.10.4 Primary Key Columns

Name  
 AGGREGATION\_PERIOD  
 DEMAND\_POE\_TYPE  
 PERIOD\_ENDING  
 REGIONID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE  
 USE\_ITERATION\_ID

### 22.10.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins.
RUN_NO	numeric(4)	X	Unique run id.
RUNTYPE	varchar(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	varchar(20)	X	Demand POE type used. Value is POE10 or POE50
AGGREGATION_PERIOD	varchar(20)	X	Period data is aggregated over. Values are YEAR
PERIOD_ENDING	datetime	X	Datetime of day at end of period (i.e. last day of year reported)
REGIONID	varchar(20)	X	The unique region identifier
USE_ITERATION_ID	numeric(5)	X	Iteration ID, only produced for iterations showing unserved energy>0
USE_ITERATION_EVENT_NUMBER	numeric(12,2)		Number of half hours showing unserved energy over year, for iteration
USE_ITERATION_EVENT_AVERAGE	numeric(12,2)		Average unserved energy event size for iteration over year (MW)
LASTCHANGED	datetime		Last date and time record changed

## 22.11 Table: MTPASA\_REGIONRESULT

### 22.11.1 MTPASA\_REGIONRESULT

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

### 22.11.2 Description

MTPASA\_REGIONRESULT is public data.

### 22.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.11.4 Primary Key Columns

Name  
 DAY  
 DEMAND\_POE\_TYPE  
 REGIONID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 22.11.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins.
RUN_NO	numeric(4)	X	Unique run id.
RUNTYPE	varchar(20)	X	Type of run. Always RELIABILITY
DEMAND_POE_TYPE	varchar(20)	X	Demand POE type used. Value is POE10
DAY	datetime	X	Day this result is for
REGIONID	varchar(20)	X	The unique region identifier
PERIODID	numeric(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	numeric(12,2)		Demand value from selected half hourly interval (MW)
AGGREGATEINSTALLEDCAPACITY	numeric(12,2)		The total installed capacity of all generation (MW)
NUMBEROFITERATIONS	numeric(12,2)		Total number of iterations and reference years performed
USE_NUMBEROFITERATIONS	numeric(12,2)		Number of iterations and reference years with unserved energy>0
USE_MAX	numeric(12,2)		Maximum unserved energy, across iterations and reference years (MW)
USE_UPPERQUARTILE	numeric(12,2)		Upper quartile unserved energy, across iterations and reference years (MW)

USE_MEDIAN	numeric(12,2)		Median unserved energy, across iterations and reference years (MW)
USE_LOWERQUARTILE	numeric(12,2)		Lower quartile unserved energy, across iterations and reference years (MW)
USE_MIN	numeric(12,2)		Minimum unserved energy, across iterations and reference years (MW)
USE_AVERAGE	numeric(12,2)		Average unserved energy, across iterations and reference years (MW)
USE_EVENT_AVERAGE	numeric(12,2)		Average unserved energy event size, across iterations and reference years (MW)
TOTALSCHEDULEDGE N90	numeric(12,2)		The 90th percentile for scheduled generation across iterations and reference years (MW)
TOTALSCHEDULEDGE N50	numeric(12,2)		The 50th percentile for scheduled generation across iterations and reference years (MW)
TOTALSCHEDULEDGE N10	numeric(12,2)		The 10th percentile for scheduled generation across iterations and reference years (MW)
TOTALINTERMITTENTG EN90	numeric(12,2)		The 90th percentile for intermittent generation, across iterations and reference years (MW)
TOTALINTERMITTENTG EN50	numeric(12,2)		The 50th percentile for intermittent generation, across iterations and reference years (MW)
TOTALINTERMITTENTG EN10	numeric(12,2)		The 10th percentile for intermittent generation, across iterations and reference years (MW)
DEMANDSIDEPARTICIP ATION90	numeric(12,2)		The 90th percentile for demand side participation, across iterations and reference years (MW)
DEMANDSIDEPARTICIP ATION50	numeric(12,2)		The 50th percentile for demand side participation, across iterations and reference years (MW)
DEMANDSIDEPARTICIP ATION10	numeric(12,2)		The 10th percentile for demand side participation, across iterations and reference years (MW)
LASTCHANGED	datetime		Last date and time record changed
TOTALSEMISCHEDULE GEN90	numeric(12,2)		The 90% percentile for semi-scheduled generation across iterations and reference years (MW)
TOTALSEMISCHEDULE GEN50	numeric(12,2)		The 50% percentile for semi-scheduled generation across iterations and reference years (MW)
TOTALSEMISCHEDULE GEN10	numeric(12,2)		The 10% percentile for semi-scheduled generation across iterations and reference years (MW)

## 22.12 Table: MTPASA\_REGIONSUMMARY

### 22.12.1 MTPASA\_REGIONSUMMARY

Name	MTPASA_REGIONSUMMARY
Comment	Region Results summary over aggregation periods.

### 22.12.2 Description

MTPASA\_REGIONSUMMARY is public data.

### 22.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 22.12.4 Primary Key Columns

Name  
 AGGREGATION\_PERIOD  
 DEMAND\_POE\_TYPE  
 PERIOD\_ENDING  
 REGIONID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 22.12.5 Content

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

USE_PERCENTILE40	numeric(12,2)		Unserved energy period amount at the 40th percentile of iterations and reference years (MWh)
USE_PERCENTILE50	numeric(12,2)		Unserved energy period amount at the 50th percentile of iterations and reference years (MWh)
USE_PERCENTILE60	numeric(12,2)		Unserved energy period amount at the 60th percentile of iterations and reference years (MWh)
USE_PERCENTILE70	numeric(12,2)		Unserved energy period amount at the 70th percentile of iterations and reference years (MWh)
USE_PERCENTILE80	numeric(12,2)		Unserved energy period amount at the 80th percentile of iterations and reference years (MWh)
USE_PERCENTILE90	numeric(12,2)		Unserved energy period amount at the 90th percentile of iterations and reference years (MWh)
USE_PERCENTILE100	numeric(12,2)		Unserved energy period amount at the 100th percentile of iterations and reference years (MWh)
USE_AVERAGE	numeric(12,2)		Average period unserved energy across iterations and reference years (MWh)
NUMBEROFITERATIONS	numeric(12,2)		Total number of iterations and reference years performed
USE_NUMBEROFITERATIONS	numeric(12,2)		Number of iterations and reference years showing unserved energy
USE_EVENT_MAX	numeric(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	numeric(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	numeric(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	numeric(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	numeric(12,2)		Minimum unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW)
WEIGHT	numeric(16,6)		Fixed Values of 0.696 for 50 POE and 0.304 for 10 POE.
USE_WEIGHTED_AVG	numeric(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	numeric(12,2)		LRC Condition reported (Value=1) if USE_WEIGHTED_AVG >= 0.002% otherwise (Value=0)
LASTCHANGED	datetime		Last date and time record changed

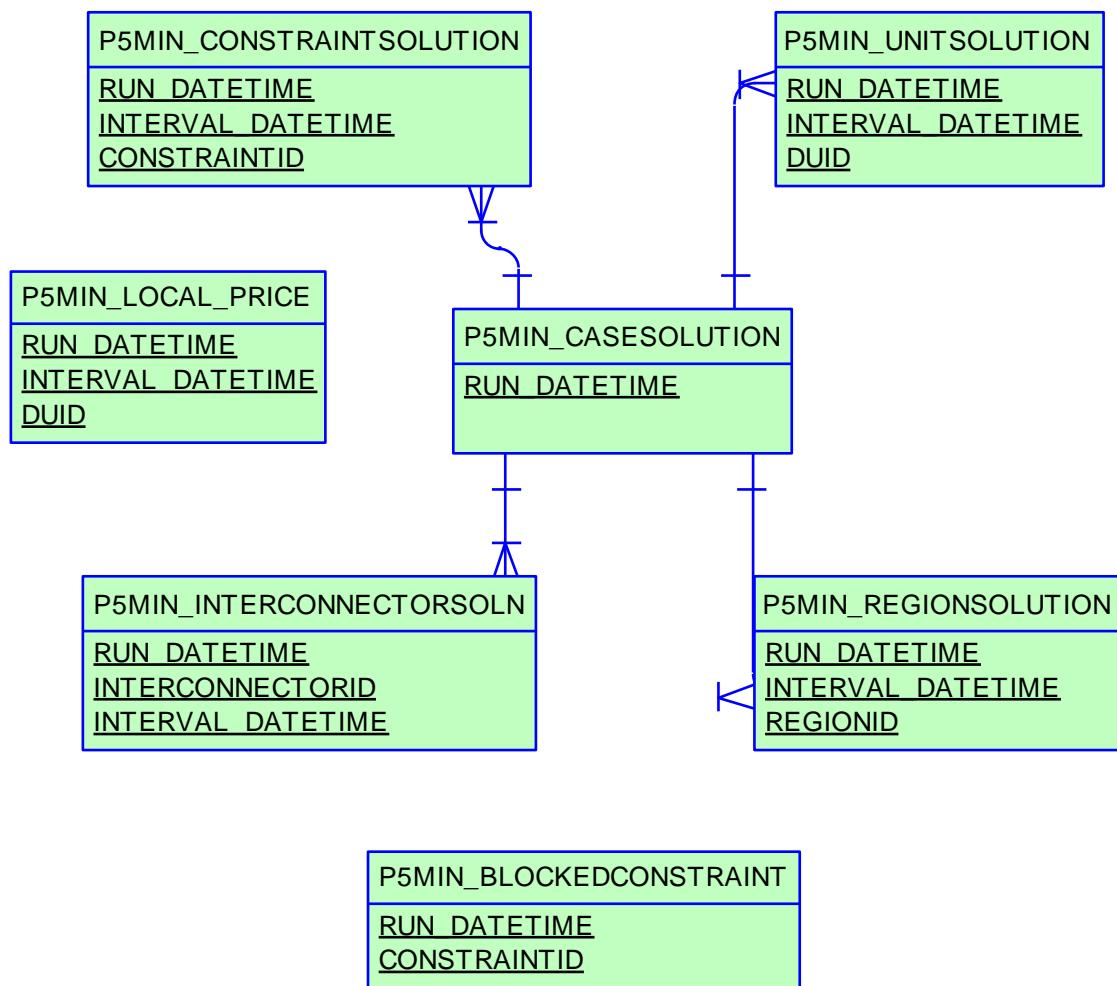
## 23 Package: P5MIN

Name	P5MIN
Comment	Results from a published Five-Minute Predispatch Run

### 23.1 List of tables

Name	Comment
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.
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.
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.
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.
P5MIN_LOCAL_PRICE	Sets out local pricing offsets associated with each DUID connection point for each dispatch period
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.
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.

## 23.2 Diagram: Entities: P5MIN



### 23.3 Table: P5MIN\_BLOCKEDCONSTRAINT

#### 23.3.1 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.

#### 23.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 23.3.3 Primary Key Columns

Name
CONSTRAINTID
RUN_DATETIME

#### 23.3.4 Content

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

## 23.4 Table: P5MIN\_CASESOLUTION

### 23.4.1 P5MIN\_CASESOLUTION

Name	P5MIN_CASESOLUTION
Comment	<p>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.</p> <p>P5MIN_CASESOLUTION shows one record containing results pertaining to the entire solution.</p>

### 23.4.2 Description

P5MIN\_CASESOLUTION data is public, so is available to all participants.

#### Source

P5MIN\_CASESOLUTION updates every 5 minutes.

#### Volume

Rows per day: 288

### 23.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 23.4.4 Primary Key Columns

Name
RUN_DATETIME

### 23.4.5 Index Columns

Name
LASTCHANGED

### 23.4.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
STARTINTERVAL_DATETIME	varchar(20)		Date and Time of first interval in study
TOTALOBJECTIVE	numeric(27,10)		The Objective function from the LP
NONPHYSICALLOSSES	numeric(1,0)		Flag to indicate non-physical losses occurred in this study
TOTALAREAGENVIOLATION	numeric(15,5)		Sum of Regional Energy balance violations
TOTALINTERCONNECTORVIOLATION	numeric(15,5)		Sum of Interconnector violations of standing data limits
TOTALGENERICVIOLAT	numeric(15,5)		Sum of Generic Constraint violations

ION			
TOTALRAMPRATEVIOLATION	numeric(15,5)		Sum of Unit Ramp Rate violations
TOTALUNITMWCAPACITYVIOLATION	numeric(15,5)		Sum of unit capacity violations
TOTAL5MINVIOLATION	numeric(15,5)		Sum of regional 5 min FCAS violations
TOTALREGVIOLATION	numeric(15,5)		Sum of regional regulation FCAS violations
TOTAL6SECVIOLATION	numeric(15,5)		Sum of regional 6 sec FCAS violations
TOTAL60SECVIOLATION	numeric(15,5)		Sum of regional 60 sec FCAS violations
TOTALENERGYCONSTRIVIOLATION	numeric(15,5)		Sum of unit energy constrained violations
TOTALENERGYOFFERVIOLATION	numeric(15,5)		Sum of unit offer violations
TOTALASPROFILEVIOLATION	numeric(15,5)		Sum of unit FCAS profile offer violations
TOTALFASTSTARTVIOLATION	numeric(15,5)		Sum of unit Fast start profile violations
LASTCHANGED	datetime		Last changed date and time of this record
INTERVENTION	numeric(2,0)		Flag to indicate if this Predispach 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

## 23.5 Table: P5MIN\_CONSTRAINTSOLUTION

### 23.5.1 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.

### 23.5.2 Description

P5MIN\_CONSTRAINTSOLUTION is public data, so is available to all participants.

#### Source

P5MIN\_CONSTRAINTSOLUTION updates every five minutes.

#### Volume

Rows per day: 57600

### 23.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private & Public

### 23.5.4 Primary Key Columns

Name  
 CONSTRAINTID  
 INTERVAL\_DATETIME  
 RUN\_DATETIME

### 23.5.5 Index Columns

Name  
 LASTCHANGED

### 23.5.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
CONSTRAINTID	varchar(20)	X	Constraint identifier (synonymous with GenConID)
RHS	numeric(15,5)		Right Hand Side value in the capacity evaluation
MARGINALVALUE	numeric(15,5)		Marginal cost of constraint (>0 if binding)
VIOLATIONDEGREE	numeric(15,5)		Amount of Violation (>0 if violating)

LASTCHANGED	datetime		Last date and time record changed
DUID	varchar(20)		DUID to which the Constraint is confidential. Null denotes non-confidential
GENCONID_EFFECTIVE_DATE	datetime		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	numeric(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	numeric(15,5)		Aggregation of the constraints LHS term solution values
INTERVENTION	numeric(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)

## 23.6 Table: P5MIN\_INTERCONNECTORSOLN

### 23.6.1 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.

### 23.6.2 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

### 23.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 23.6.4 Primary Key Columns

Name  
 INTERCONNECTORID  
 INTERVAL\_DATETIME  
 RUN\_DATETIME

### 23.6.5 Index Columns

Name  
 LASTCHANGED

### 23.6.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERCONNECTORID	varchar(10)	X	Interconnector identifier
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
METEREDMWFLOW	numeric(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	numeric(15,5)		Cleared Interconnector loading level (MW)
MWLOSSES	numeric(15,5)		Interconnector Losses at cleared flow
MARGINALVALUE	numeric(15,5)		Marginal cost of Interconnector standing data limits (if binding)
VIOLATIONDEGREE	numeric(15,5)		Violation of Interconnector standing data limits
MNSP	numeric(1,0)		Flag indicating MNSP registration
EXPORTLIMIT	numeric(15,5)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
IMPORTLIMIT	numeric(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.
MARGINLOSS	numeric(15,5)		Marginal loss factor at the cleared flow
EXPORTGENCONID	varchar(20)		Generic Constraint setting the export limit
IMPORTGENCONID	varchar(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	numeric(15,5)		Calculated export limit applying to energy + Frequency Controlled Ancillary Services.
FCASIMPORTLIMIT	numeric(15,5)		Calculated import limit applying to energy + Frequency Controlled Ancillary Services.
LASTCHANGED	datetime		Last changed date of this record
LOCAL_PRICE_ADJUSTMENT_EXPORT	numeric(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINTED_EXPORT	numeric(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	numeric(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINTED_IMPORT	numeric(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	numeric(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)

## 23.7 Table: P5MIN\_LOCAL\_PRICE

### 23.7.1 P5MIN\_LOCAL\_PRICE

Name	P5MIN_LOCAL_PRICE
Comment	Sets out local pricing offsets associated with each DUID connection point for each dispatch period

### 23.7.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 23.7.3 Primary Key Columns

Name  
 DUID  
 INTERVAL\_DATETIME  
 RUN\_DATETIME

### 23.7.4 Index Columns

Name  
 RUN\_DATETIME  
 INTERVAL\_DATETIME  
 DUID

### 23.7.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
DUID	varchar(20)	X	Dispatchable unit identifier
LOCAL_PRICE_ADJUSTMENT	numeric(10,2)		Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints
LOCALLY_CONSTRAINED	numeric(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

## 23.8 Table: P5MIN\_REGIONSOLUTION

### 23.8.1 P5MIN\_REGIONSOLUTION

Name	P5MIN_REGIONSOLUTION
Comment	<p>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.</p> <p>P5MIN_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study.</p>

### 23.8.2 Description

P5MIN\_REGIONSOLUTION is public data, so is available to all participants.

### Source

P5MIN\_REGIONSOLUTION updates every 5 minutes.

### Volume

Rows per day: 1440

### 23.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 23.8.4 Primary Key Columns

Name  
 INTERVAL\_DATETIME  
 REGIONID  
 RUN\_DATETIME

### 23.8.5 Index Columns

Name  
 LASTCHANGED

### 23.8.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study

INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
REGIONID	varchar(10)	X	Region Identifier
RRP	numeric(15,5)		Region Reference Price (Energy)
ROP	numeric(15,5)		Region Override Price (Energy)
EXCESSGENERATION	numeric(15,5)		Total Energy Imbalance (MW)
RAISE6SECRRP	numeric(15,5)		Region Reference Price (Raise6Sec)
RAISE6SECROP	numeric(15,5)		Original regional price (Raise6Sec)
RAISE60SECRRP	numeric(15,5)		Region Reference Price (Raise60Sec)
RAISE60SECROP	numeric(15,5)		Original regional price (Raise60Sec)
RAISE5MINRRP	numeric(15,5)		Region Reference Price (Raise5Min)
RAISE5MINROP	numeric(15,5)		Original regional price (Raise5Min)
RAISEREGRRP	numeric(15,5)		Region Reference Price (RaiseReg)
RAISEREGROP	numeric(15,5)		Original regional price (RaiseReg)
LOWER6SECRRP	numeric(15,5)		Region Reference Price (Lower6Sec)
LOWER6SECROP	numeric(15,5)		Original regional price (Lower6Sec)
LOWER60SECRRP	numeric(15,5)		Region Reference Price (Lower60Sec)
LOWER60SECROP	numeric(15,5)		Original regional price (Lower60Sec)
LOWER5MINRRP	numeric(15,5)		Region Reference Price (Lower5Min)
LOWER5MINROP	numeric(15,5)		Original regional price (Lower5Min)
LOWERREGRRP	numeric(15,5)		Region Reference Price (LowerReg)
LOWERREGROP	numeric(15,5)		Original regional price (LowerReg)
TOTALDEMAND	numeric(15,5)		Regional Demand - NB NOT net of Interconnector flows or Loads
AVAILABLEGENERATION	numeric(15,5)		Regional Available generation
AVAILABLELOAD	numeric(15,5)		Regional Available Load
DEMANDFORECAST	numeric(15,5)		Predicted change in regional demand for this interval
DISPATCHABLEGENERATION	numeric(15,5)		Regional Generation Dispatched
DISPATCHABLELOAD	numeric(15,5)		Regional Load Dispatched
NETINTERCHANGE	numeric(15,5)		Net interconnector Flows
LOWER5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	numeric(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER60SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW imported
LOWER60SECLOCALDISPATCH	numeric(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec local requirement
LOWER60SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	numeric(15,5)		Lower 6 sec local dispatch

LOWER6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
RAISE5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Total Raise 5 min MW dispatch
RAISE5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	numeric(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min local requirement
RAISE5MINREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE60SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	numeric(15,5)		Raise 50 sec local dispatch
RAISE60SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISPATCH	numeric(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
AGGREGATEDISPATCHERROR	numeric(15,5)		Aggregate dispatch error applied
INITIALSUPPLY	numeric(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	numeric(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	numeric(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGDISPATCH	numeric(15,5)		Not used since Dec 2003. Total Lower Regulation dispatch
LOWERREGLOCALDISPATCH	numeric(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	numeric(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGDISPATCH	numeric(15,5)		Not used since Dec 2003. Total Raise Regulation dispatch
RAISEREGLOCALDISPATCH	numeric(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation total requirement

RAISE5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
LASTCHANGED	datetime		Last date and time record changed
TOTALINTERMITTENTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULE_CLEAREDMW	numeric(15,5)		Regional aggregated Semi-Schedule generator Cleared MW
SEMISCHEDULE_COMPLIANCEMW	numeric(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced
INTERVENTION	numeric(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

## 23.9 Table: P5MIN\_UNITSOLUTION

### 23.9.1 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.

### 23.9.2 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

### 23.9.3 Notes

Name Visibility	Comment Data in this table is:	Value Private
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### 23.9.4 Primary Key Columns

Name  
DUID  
INTERVAL\_DATETIME  
RUN\_DATETIME

### 23.9.5 Index Columns

Name  
LASTCHANGED

### 23.9.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
DUID	varchar(10)	X	Dispatchable unit identifier
CONNECTIONPOINTID	varchar(12)		Connection point identifier for DUID
TRADETYPE	numeric(2,0)		Generator or Load
AGCSTATUS	numeric(2,0)		AGC Status from EMS: 1 = on, 0 = off
INITIALMW	numeric(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.
TOTALCleared	numeric(15,5)		Target MW for end of period
RAMPDOWNRATE	numeric(15,5)		Ramp down rate (lesser of bid or telemetered rate).
RAMPUPRATE	numeric(15,5)		Ramp up rate (lesser of bid or telemetered rate).
LOWER5MIN	numeric(15,5)		Lower 5 min reserve target
LOWER60SEC	numeric(15,5)		Lower 60 sec reserve target
LOWER6SEC	numeric(15,5)		Lower 6 sec reserve target
RAISE5MIN	numeric(15,5)		Raise 5 min reserve target
RAISE60SEC	numeric(15,5)		Raise 60 sec reserve target
RAISE6SEC	numeric(15,5)		Raise 6 sec reserve target
LOWERREG	numeric(15,5)		Lower Regulation reserve target
RAISEREG	numeric(15,5)		Raise Regulation reserve target
AVAILABILITY	numeric(15,5)		Energy Availability (MW)
RAISE6SECFLAGS	numeric(3,0)		Raise 6sec status flag
RAISE60SECFLAGS	numeric(3,0)		Raise 60sec status flag
RAISE5MINFLAGS	numeric(3,0)		Raise 5min status flag
RAISEREGFLAGS	numeric(3,0)		Raise Reg status flag
LOWER6SECFLAGS	numeric(3,0)		Lower 6sec status flag
LOWER60SECFLAGS	numeric(3,0)		Lower 60sec status flag
LOWER5MINFLAGS	numeric(3,0)		Lower 5min status flag
LOWERREGFLAGS	numeric(3,0)		Lower Reg status flag
LASTCHANGED	datetime		Last date and time record changed
SEMITDISPATCHCAP	numeric(3,0)		Boolean representation flagging if the Target is Capped
INTERVENTION	numeric(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

## 24 Package: NETWORK

Name	NETWORK
Comment	Configuration data for the physical network

### 24.1 List of tables

Name	Comment
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.
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.
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
NETWORK_OUTAGESTATUSCODE	NETWORK_OUTAGESTATUSCODE describes the different outage status codes
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.
NETWORK_REALTIMERATING	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.
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.
NETWORK_SUBSTATIONDETAIL	NETWORK_SUBSTATIONDETAIL sets out the attributes of substations across time

## 24.2 Diagram: Entities: NETWORK

NETWORK_SUBSTATIONDETAIL
<u>SUBSTATIONID</u>
<u>VALIDFROM</u>

NETWORK_EQUIPMENTDETAIL
<u>SUBSTATIONID</u>
<u>EQUIPMENTTYPE</u>
<u>EQUIPMENTID</u>
<u>VALIDFROM</u>

NETWORK_OUTAGEDETAIL
<u>OUTAGEID</u>
<u>SUBSTATIONID</u>
<u>EQUIPMENTTYPE</u>
<u>EQUIPMENTID</u>
<u>STARTTIME</u>

NETWORK_OUTAGESTATUSCODE
<u>OUTAGESTATUSCODE</u>

NETWORK_OUTAGECONSTRAINTSET
<u>OUTAGEID</u>
<u>GENCONSETID</u>

NETWORK_RATING
<u>SPD_ID</u>
<u>VALIDFROM</u>

NETWORK_STATICRATING
<u>SUBSTATIONID</u>
<u>EQUIPMENTTYPE</u>
<u>EQUIPMENTID</u>
<u>RATINGLEVEL</u>
<u>APPLICATIONID</u>
<u>VALIDFROM</u>

NETWORK_REALTIMERATING
<u>SETTLEMENTDATE</u>
<u>SPD_ID</u>

## 24.3 Table: NETWORK\_EQUIPMENTDETAIL

### 24.3.1 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.

### 24.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.3.3 Primary Key Columns

Name  
 EQUIPMENTID  
 EQUIPMENTTYPE  
 SUBSTATIONID  
 VALIDFROM

### 24.3.4 Index Columns

Name  
 LASTCHANGED

### 24.3.5 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	datetime	X	The date that this record is applies from (inclusive)
VALIDTO	datetime		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	datetime		The time that this record was last changed.

## 24.4 Table: NETWORK\_OUTAGECONSTRAINTSET

### 24.4.1 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.

### 24.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.4.3 Primary Key Columns

Name
GENCONSETID
OUTAGEID

### 24.4.4 Content

Name	Data Type	Mandatory	Comment
OUTAGEID	numeric(15,0)	X	ID uniquely identifying the outage
GENCONSETID	varchar(50)	X	ID for the constraint set
STARTINTERVAL	datetime		The dispatch interval that this constraint applies from
ENDINTERVAL	datetime		The dispatch interval the this constraint applies until

## 24.5 Table: NETWORK\_OUTAGEDETAIL

### 24.5.1 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

### 24.5.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.5.3 Primary Key Columns

Name  
 EQUIPMENTID  
 EQUIPMENTTYPE  
 OUTAGEID  
 STARTTIME  
 SUBSTATIONID

### 24.5.4 Index Columns

Name  
 LASTCHANGED

### 24.5.5 Content

Name	Data Type	Mandatory	Comment
OUTAGEID	numeric(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	datetime	X	The planned starting date and time of the outage
ENDTIME	datetime		The planned ending date and time of the outage
SUBMITTEDDATE	datetime		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	numeric(15,0)		The new outage id created from a resubmit.
RECALLTIMEDAY	numeric(10,0)		The recall time in minutes during the day
RECALLTIMENIGHT	numeric(10,0)		The recall time in minutes during the night
LASTCHANGED	datetime		The time that this record was last changed
REASON	varchar(100)		The reason provided by the asset owner for this outage
ISSECONDARY	numeric(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	datetime		The actual starting date/time of the outage
ACTUAL_ENDTIME	datetime		The actual ending date/time of the outage
COMPANYREFCODE	varchar(20)		The asset owners reference code for this outage

## 24.6 Table: NETWORK\_OUTAGESTATUSCODE

### 24.6.1 NETWORK\_OUTAGESTATUSCODE

Name	NETWORK_OUTAGESTATUSCODE
Comment	NETWORK_OUTAGESTATUSCODE describes the different outage status codes

### 24.6.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.6.3 Primary Key Columns

Name
OUTAGESTATUSCODE

### 24.6.4 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	datetime		The time that this record was last changed

## 24.7 Table: NETWORK\_RATING

### 24.7.1 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.

### 24.7.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.7.3 Primary Key Columns

Name
SPD_ID
VALIDFROM

### 24.7.4 Index Columns

Name
LASTCHANGED

### 24.7.5 Content

Name	Data Type	Mandatory	Comment
SPD_ID	varchar(21)	X	ID defining this data source for use in constraints
VALIDFROM	datetime	X	The date that this record is applies from (inclusive)
VALIDTO	datetime		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	numeric(1,0)		One of: 1 = Normally uses dynamic ratings 0 = No dynamic ratings, static ratings are used
LASTCHANGED	datetime		The time that this record was last changed

## 24.8 Table: NETWORK\_REALTIMERATING

### 24.8.1 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.

### 24.8.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.8.3 Primary Key Columns

Name  
 SETTLEMENTDATE  
 SPD\_ID

### 24.8.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	The dispatch interval the rating applies to
SPD_ID	varchar(21)	X	ID defining this data source for use in constraints
RATINGVALUE	numeric(16,6)	X	The defined equipment rating value in MVA

## 24.9 Table: NETWORK\_STATICRATING

### 24.9.1 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.	

### 24.9.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.9.3 Primary Key Columns

Name  
 APPLICATIONID  
 EQUIPMENTID  
 EQUIPMENTTYPE  
 RATINGLEVEL  
 SUBSTATIONID  
 VALIDFROM

### 24.9.4 Index Columns

Name  
 LASTCHANGED

### 24.9.5 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	datetime	X	The date that this record is applies from (inclusive)
VALIDTO	datetime		The date that this record applies until (exclusive)
RATINGVALUE	numeric(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	datetime		The time that this record was last changed.

## 24.10 Table: NETWORK\_SUBSTATIONDETAIL

### 24.10.1 NETWORK\_SUBSTATIONDETAIL

Name	NETWORK_SUBSTATIONDETAIL
Comment	NETWORK_SUBSTATIONDETAIL sets out the attributes of sub-stations across time

### 24.10.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 24.10.3 Primary Key Columns

Name
SUBSTATIONID
VALIDFROM

### 24.10.4 Index Columns

Name
LASTCHANGED

### 24.10.5 Content

Name	Data Type	Mandatory	Comment
SUBSTATIONID	varchar(30)	X	ID uniquely identifying this substation
VALIDFROM	datetime	X	The record is valid from this date (inclusive)
VALIDTO	datetime		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	datetime		The time that this record was last changed.

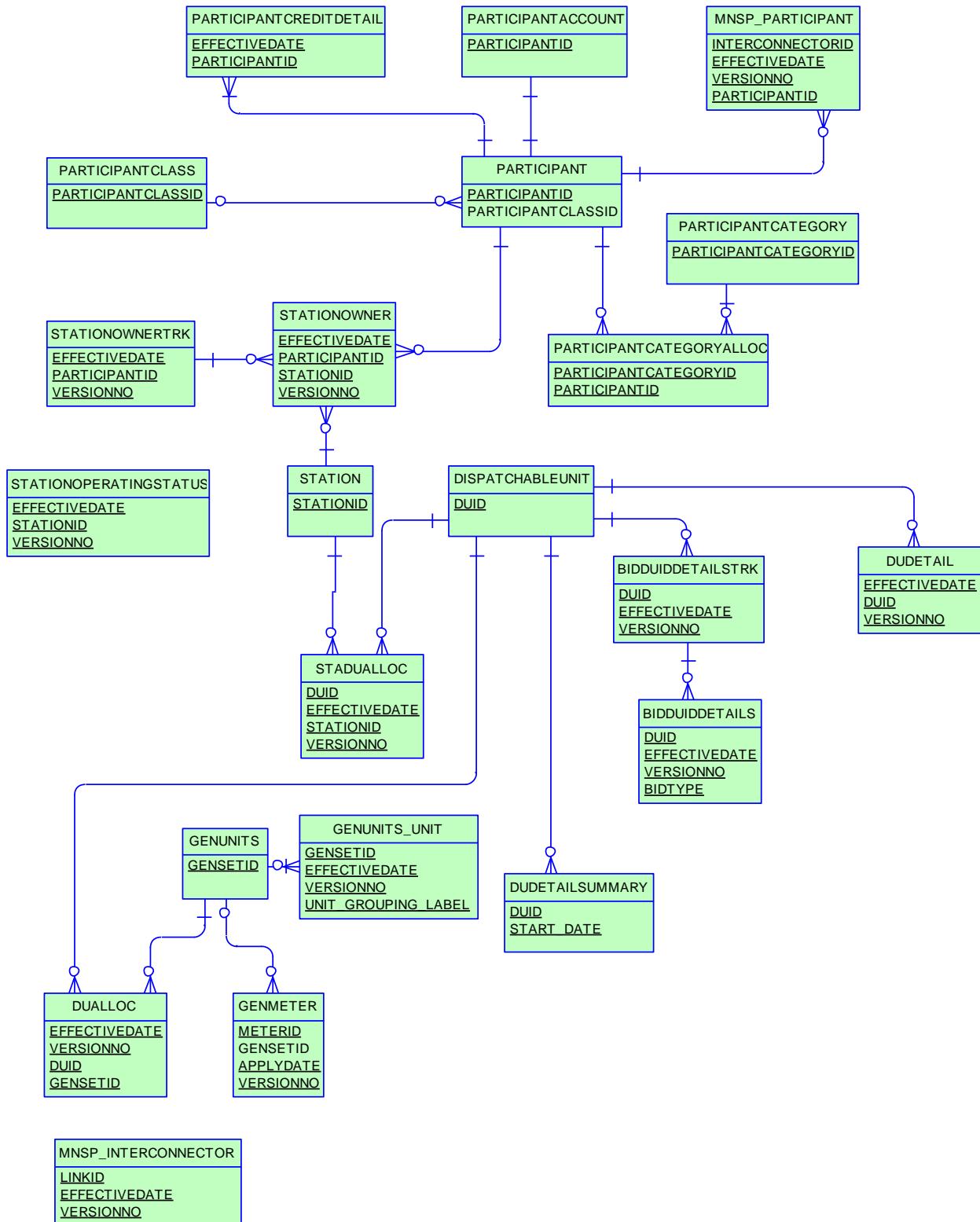
## 25 Package: PARTICIPANT\_REGISTRATION

Name                   PARTICIPANT\_REGISTRATION  
 Comment               Participant registration data

### 25.1 List of tables

Name	Comment
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.
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.
DISPATCHABLEUNIT	DISPATCHABLEUNIT sets out the unit name and type of each dispatchable unit in the market.
DUALLOC	DUALLOC cross references dispatch unit identifier to genset ID for each participant.
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.
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.
GENMETER	GENMETER shows details of generator meter sets.
GENUNITS	GENUNITS shows Genset details for each physical unit with the relevant station.
GENUNITS_UNIT	Physical units within a Gen Unit Set
MNSP_INTERCONNECTOR	MNSP_INTERCONNECTOR sets out attributes of each interconnector.
MNSP_PARTICIPANT	MNSP_PARTICIPANT registers MNSP ownership.
PARTICIPANT	PARTICIPANT sets out Participant ID, name and class for all participants.
PARTICIPANTACCOUNT	PARTICIPANTACCOUNT shows financial details on participants.
PARTICIPANTCATEGORY	PARTICIPANTCATEGORY sets out valid participant categories.
PARTICIPANTCATEGORYALLOC	PARTICIPANTCATEGORYALLOC sets out the assignment of participants to particular categories.
PARTICIPANTCLASS	PARTICIPANTCLASS sets out valid participant classifications.
PARTICIPANTCREDITDETAIL	
STADUALLOC	STADUALLOC sets out details on the allocation of dispatchable units to particular sites or stations.
STATION	STATION sets out valid station identifiers.
STATIONOPERATINGSTATUS	STATIONOPERATINGSTATUS sets out the operating status of each station.
STATIONOWNER	STATIONOWNER sets out the owner details of each station.
STATIONOWNERTRK	STATIONOWNERTRK shows the tracking for the associated object STATIONOWNER. Together, STATIONOWNERTRK and STATIONOWNER sets out the owner details of each station.

## 25.2 Diagram: Entities: Participant Registration



## 25.3 Table: BIDDUIDDETAILS

### 25.3.1 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.

### 25.3.2 Description

BIDDUIDDETAILS data is public to participants.

#### Source

BIDDUIDDETAILS updates as dispatchable unit registration details are modified.

#### Volume

Approximately 1000 records per year.

### 25.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.3.4 Primary Key Columns

Name
BIDTYPE
DUID
EFFECTIVEDATE
VERSIONNO

### 25.3.5 Index Columns

Name
LASTCHANGED

### 25.3.6 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable unit identifier
EFFECTIVEDATE	datetime	X	Market date starting at 04:30 inclusive
VERSIONNO	numeric(3,0)	X	Record version number
BIDTYPE	varchar(10)	X	Bid Type Identifier
MAXCAPACITY	numeric(22,0)		Maximum Capacity of this DUID for this BIDTYPE
MINENABLEMENTLEVEL	numeric(22,0)		Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only)
MAXENABLEMENTLEVEL	numeric(22,0)		Maximum Energy Output (MW) at which this ancillary service can be supplied (AS

			Only)
MAXLOWERANGLE	numeric(3,0)		Maximum Angle at the lower end of the ancillary service profile (Degrees)
MAXUPPERANGLE	numeric(3,0)		Maximum Angle at the upper end of the ancillary service profile (Degrees)
LASTCHANGED	datetime		Last date and time record changed

## 25.4 Table: BIDDUIDDETAILSTRK

### 25.4.1 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.

### 25.4.2 Description

BIDDUIDDETAILSTRK data is public to participants.

#### Source

BIDDUIDDETAILSTRK updates as dispatchable unit registration details are modified.

#### Volume

Approximately 200 records per year

### 25.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.4.4 Primary Key Columns

Name
DUID
EFFECTIVEDATE
VERSIONNO

### 25.4.5 Index Columns

Name
LASTCHANGED

### 25.4.6 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable unit identifier
EFFECTIVEDATE	datetime	X	Market date starting at 04:30 inclusive
VERSIONNO	numeric(3,0)	X	Record version number
AUTHORISEDDATE	datetime		Date of record authorisation. A NULL value indicates the record is not authorised.
AUTHORISEDBY	varchar(15)		User that authorised record. A NULL value indicates the record is not authorised.
LASTCHANGED	datetime		Last date and time record changed

## 25.5 Table: DISPATCHABLEUNIT

### 25.5.1 DISPATCHABLEUNIT

Name	DISPATCHABLEUNIT
Comment	DISPATCHABLEUNIT sets out the unit name and type of each dispatchable unit in the market.

### 25.5.2 Description

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

#### Source

DISPATCHABLEUNIT updates as new units added or names changed.

### 25.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.5.4 Primary Key Columns

Name
DUID

### 25.5.5 Index Columns

Name
LASTCHANGED

### 25.5.6 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable Unit Identifier
DUNAME	varchar(20)		Dispatchable Unit full description
UNITTYPE	varchar(20)		Generation or Load
LASTCHANGED	datetime		Last date and time record changed

## 25.6 Table: DUALLOC

### 25.6.1 DUALLOC

Name	DUALLOC
Comment	DUALLOC cross references dispatch unit identifier to genset ID for each participant.

### 25.6.2 Description

#### Source

DUALLOC updates where changed.

### 25.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 25.6.4 Primary Key Columns

Name  
 DUID  
 EFFECTIVEDATE  
 GENSETID  
 VERSIONNO

### 25.6.5 Index Columns

Name  
 LASTCHANGED

### 25.6.6 Index Columns

Name  
 DUID

### 25.6.7 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective calendar date of record
VERSIONNO	numeric(3,0)	X	Version no of record
DUID	varchar(10)	X	Dispatchable Unit identifier
GENSETID	varchar(20)	X	Physical unit identifier
LASTCHANGED	datetime		Last date and time record changed

## 25.7 Table: DUDETAIL

### 25.7.1 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.

### 25.7.2 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.

### 25.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 25.7.4 Primary Key Columns

Name  
 DUID  
 EFFECTIVEDATE  
 VERSIONNO

#### 25.7.5 Index Columns

Name  
 LASTCHANGED

#### 25.7.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective calendar date of record
DUID	varchar(10)	X	Dispatchable Unit Identifier
VERSIONNO	numeric(3,0)	X	version of Dispatchable Unit details for this effective date
CONNECTIONPOINTID	varchar(10)		Country wide - Unique id of a connection point
VOLTLVEL	varchar(10)		Voltage Level
REGISTEREDCAPACITY	numeric(6,0)		Registered capacity for normal operations
AGCCAPABILITY	varchar(1)		AGC Capability flag
DISPATCHTYPE	varchar(10)		Identifies LOAD or GENERATOR
MAXCAPACITY	numeric(6,0)		Maximum Capacity as used for bid validation
STARTTYPE	varchar(20)		Identify unit as Fast or Slow
NORMALLYONFLAG	varchar(1)		For a dispatchable load indicates that the load is normally on or off.
PHYSICALDETAILSFLAG	varchar(1)		Indicates that the physical details for this unit are to be recorded
SPINNINGRESERVEFLAG	varchar(1)		Indicates spinning reserve capability
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed
INTERMITTENTFLAG	varchar(1)		Indicate whether a unit is intermittent (e.g. a wind farm)
SemiSchedule_Flag	varchar(1)		Indicates if the DUID is a Semi-Scheduled Unit
MAXRATEOFCHANGEUP	numeric(6,0)		Maximum ramp up rate for Unit (Mw/min)
MAXRATEOFCHANGEDOWN	numeric(6,0)		Maximum ramp down rate for Unit (Mw/min)

## 25.8 Table: DUDETAILSUMMARY

### 25.8.1 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.

### 25.8.2 Description

DUDETAILSUMMARY is a public table, and is available to all participants.

#### Source

DUDETAILSUMMARY updates only when registration details change.

### 25.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.8.4 Primary Key Columns

Name
DUID
START_DATE

### 25.8.5 Index Columns

Name
LASTCHANGED

### 25.8.6 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable Unit Identifier
START_DATE	datetime	X	Start date for effective record
END_DATE	datetime	X	End date for effective record
DISPATCHTYPE	varchar(10)		Either Generator or Load
CONNECTIONPOINTID	varchar(10)		Country wide - Unique id of a connection point
REGIONID	varchar(10)		Region identifier that unit is in
STATIONID	varchar(10)		Station that unit is in
PARTICIPANTID	varchar(10)		Participant that owns unit during effective record period
LASTCHANGED	datetime		Last date and time record changed
TRANSMISSIONLOSSF ACTOR	numeric(15,5)		The transmission level loss factor for currently assigned connection point
STARTTYPE	varchar(20)		Unit start type. At this time restricted to Fast, Slow or Non Dispatched
DISTRIBUTIONLOSSFA CTOR	numeric(15,5)		The distribution loss factor to the currently assigned connection point

MINIMUM_ENERGY_PR ICE	numeric(9,2)		Floored Offer/Bid Energy Price adjusted for TLF, DLF and MPF
MAXIMUM_ENERGY_P RICE	numeric(9,2)		Capped Offer/Bid Energy Price adjusted for TLF, DLF and VoLL
SCHEDULE_TYPE	varchar(20)		Scheduled status of the unit: 'SCHEDULED' 'NON-SCHEDULED' 'SEMI-SCHEDULED'
MIN_RAMP_RATE_UP	numeric(6,0)		MW/Min. Calculated Minimum Ramp Rate Up value accepted for Energy Offers or Bids with explanation
MIN_RAMP_RATE_DO WN	numeric(6,0)		MW/Min. Calculated Minimum Ramp Rate Down value accepted for Energy Offers or Bids with explanation
MAX_RAMP_RATE_UP	numeric(6,0)		Maximum ramp up rate for Unit (Mw/min) - from DU_Detail table
MAX_RAMP_RATE_DO WN	numeric(6,0)		Maximum ramp down rate for Unit (Mw/min) - from DU_Detail table
IS_AGGREGATED	numeric(1,0)		Whether the DUID is classified as an "Aggregated Unit" under the rules. This impacts the Minimum Ramp Rate calculation

## 25.9 Table: GENMETER

### 25.9.1 GENMETER

Name	GENMETER
Comment	GENMETER shows details of generator meter sets.

### 25.9.2 Description

GENMETER data is confidential to the relevant participant.

#### Source

GENMETER updates only when meter details change.

### 25.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.9.4 Primary Key Columns

Name  
 APPLYDATE  
 METERID  
 VERSIONNO

### 25.9.5 Index Columns

Name  
 LASTCHANGED

### 25.9.6 Index Columns

Name  
 STATIONID

### 25.9.7 Content

Name	Data Type	Mandatory	Comment
METERID	varchar(12)	X	Meter Id
GENSETID	varchar(20)		Generator Set ID
CONNECTIONPOINTID	varchar(10)		Not used
STATIONID	varchar(10)		Station Identifier
MERTYPE	varchar(20)		LOAD
METERCLASS	varchar(10)		WATT or AUXILARY
VOLTAGELEVEL	numeric(6,0)		Voltage
APPLYDATE	datetime	X	Application date
VERSIONNO	numeric(3,0)	X	Version no of the record for the given effective date
AUTHORISEDBY	varchar(10)		AEMO user authorising
AUTHORISEDDATE	datetime		Date authorised
COMDATE	datetime		Not used

DECOMDATE	datetime		Not used
ENDDATE	datetime		Not used
STARTDATE	datetime		Not used
LASTCHANGED	datetime		Last date and time record changed

## 25.10 Table: GENUNITS

### 25.10.1 GENUNITS

Name	GENUNITS
Comment	GENUNITS shows Genset details for each physical unit with the relevant station.

### 25.10.2 Description

GENUNITS data is confidential to the relevant participant.

#### Source

GENUNITS updates whenever plant details change.

### 25.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.10.4 Primary Key Columns

Name
GENSETID

### 25.10.5 Index Columns

Name
LASTCHANGED

### 25.10.6 Content

Name	Data Type	Mandatory	Comment
GENSETID	varchar(20)	X	Physical Unit identifier
STATIONID	varchar(10)		Station Identifier
SETLOSSFACTOR	numeric(16,6)		Not used
CDINDICATOR	varchar(10)		Centrally dispatched Indicator
AGCFLAG	varchar(2)		AGC Available flag
SPINNINGFLAG	varchar(2)		Not used
VOLTLVEL	numeric(6,0)		Voltage level
REGISTEREDCAPACITY	numeric(6,0)		Registered capacity
DISPATCHTYPE	varchar(10)		Scheduled indicator
STARTTYPE	varchar(20)		Fast / Slow / Not Dispatched
MKTGENERATORIND	varchar(10)		Market Generator Indicator Flag
NORMALSTATUS	varchar(10)		On / Off for load
MAXCAPACITY	numeric(6,0)		Maximum capacity
GENSETTYPE	varchar(15)		Genset type
GENSETNAME	varchar(40)		Genset name
LASTCHANGED	datetime		Last date and time record changed

CO2E_EMISSIONS_FACTOR	numeric(18,8)		The emissions factor for the generating unit, as calculated by Settlements staff members
CO2E_ENERGY_SOURCE	varchar(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	varchar(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

## 25.11 Table: GENUNITS\_UNIT

### 25.11.1 GENUNITS\_UNIT

Name	GENUNITS_UNIT
Comment	Physical units within a Gen Unit Set

### 25.11.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.11.3 Primary Key Columns

Name  
 EFFECTIVEDATE  
 GENSETID  
 UNIT\_GROUPING\_LABEL  
 VERSIONNO

### 25.11.4 Index Columns

Name  
 GENSETID  
 EFFECTIVEDATE  
 VERSIONNO  
 UNIT\_GROUPING\_LABEL

### 25.11.5 Content

Name	Data Type	Mandatory	Comment
GENSETID	varchar(20)	X	System wide unique Generating Set ID
EFFECTIVEDATE	datetime	X	Effective Date of this detail record
VERSIONNO	numeric(6,0)	X	Version with respect to the effective date
UNIT_GROUPING_LABEL	varchar(20)	X	Label of Physical Units within the station
UNIT_COUNT	numeric(3,0)		Number of units in this Gen Unit grouping
UNIT_SIZE	numeric(8,3)		Nameplate Capacity for each unit in this grouping
UNIT_MAX_SIZE	numeric(8,3)		Maximum Capacity for each unit in this grouping
AGGREGATION_FLAG	numeric(1,0)		Indicator that Unit is part of an Aggregated Unit (at the DUID level)
LASTCHANGED	datetime		Date/Time when record was changed

## 25.12 Table: MNSP\_INTERCONNECTOR

### 25.12.1 MNSP\_INTERCONNECTOR

Name	MNSP_INTERCONNECTOR
Comment	MNSP_INTERCONNECTOR sets out attributes of each interconnector.

### 25.12.2 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.

### 25.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.12.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 LINKID  
 VERSIONNO

### 25.12.5 Index Columns

Name  
 LASTCHANGED

### 25.12.6 Content

Name	Data Type	Mandatory	Comment
LINKID	varchar(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
EFFECTIVEDATE	datetime	X	Date when Interconnector becomes effective
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data will take precedence
INTERCONNECTORID	varchar(10)		Interconnector Identifier
FROMREGION	varchar(10)		Nominated source region for Interconnector
TOREGION	varchar(10)		Nominated destination region for Interconnector
MAXCAPACITY	numeric(5,0)		Maximum capacity

TLF	numeric(12,7)		Transmission Loss Factor (redundant from May 2012)
LHSFACTOR	numeric(12,7)		Factor applied to the LHS of constraint equations; set by AEMO
METERFLOWCONSTANT	numeric(12,7)		Obsolete; no longer applied. Ignore.
AUTHORISEDDATE	datetime		Date of authorisation. Nominal date but required to enable Interconnector.
AUTHORISEDBY	varchar(15)		Authorising officer
LASTCHANGED	datetime		Last date and time record changed
FROM_REGION_TLF	numeric(12,7)		Transmission Loss Factor for Link "From Region" end
TO_REGION_TLF	numeric(12,7)		Transmission Loss Factor for Link at "To Region" end

## 25.13 Table: MNSP\_PARTICIPANT

### 25.13.1 MNSP\_PARTICIPANT

Name	MNSP_PARTICIPANT
Comment	MNSP_PARTICIPANT registers MNSP ownership.

### 25.13.2 Description

MNSP\_PARTICIPANT data is public, so is available to all participants.

#### Source

MNSP\_PARTICIPANT updates infrequently, typically annually.

#### Volume

Number of MNSPs.

### 25.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.13.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 INTERCONNECTORID  
 PARTICIPANTID  
 VERSIONNO

### 25.13.5 Index Columns

Name  
 LASTCHANGED

### 25.13.6 Content

Name	Data Type	Mandatory	Comment
INTERCONNECTORID	varchar(10)	X	Interconnector Identifier
EFFECTIVEDATE	datetime	X	Calendar date when Interconnector ownership becomes effective
VERSIONNO	numeric(3,0)	X	Version of data for other key data - a higher version for same key data takes precedence
PARTICIPANTID	varchar(10)	X	Participant Identifier
LASTCHANGED	datetime		Last date and time record changed

## 25.14 Table: PARTICIPANT

### 25.14.1 PARTICIPANT

Name PARTICIPANT

Comment PARTICIPANT sets out Participant ID, name and class for all participants.

### 25.14.2 Description

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

#### Source

PARTICIPANT updates as new participants register or existing participants change details.

### 25.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.14.4 Primary Key Columns

Name  
PARTICIPANTID

### 25.14.5 Index Columns

Name  
LASTCHANGED

### 25.14.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PARTICIPANTCLASSID	varchar(20)		Class of participant
NAME	varchar(80)		Full name of participant
DESCRIPTION	varchar(64)		Not used
ACN	varchar(9)		Australian Company Number; Nine Numbers XXX-XXX-XXX
PRIMARYBUSINESS	varchar(40)		Identifies primary business activity of participant
LASTCHANGED	datetime		Last date and time record changed

## 25.15 Table: PARTICIPANTACCOUNT

### 25.15.1 PARTICIPANTACCOUNT

Name	PARTICIPANTACCOUNT
Comment	PARTICIPANTACCOUNT shows financial details on participants.

### 25.15.2 Description

PARTICIPANTACCOUNT data is confidential to the relevant participant.

#### Source

PARTICIPANTACCOUNT updates as new participants register or existing participants change details.

### 25.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 25.15.4 Primary Key Columns

Name	PARTICIPANTID
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### 25.15.5 Index Columns

Name	LASTCHANGED
------	-------------

### 25.15.6 Content

Name	Data Type	Mandatory	Comment
ACCOUNTNAME	varchar(80)		Name of the account
PARTICIPANTID	varchar(10)	X	Unique participant identifier
ACCOUNTNUMBER	varchar(16)		Account number
BANKNAME	varchar(16)		Bank name
BANKNUMBER	numeric(10,0)		Bank number
BRANCHNAME	varchar(16)		Branch name
BRANCHNUMBER	numeric(10,0)		Branch number
BSBNUMBER	varchar(20)		BSB number
NEMMCOCREDITACCOUNTNUMBER	numeric(10,0)		AEMO credit account number
NEMMCODEBITACCOUNTNUMBER	numeric(10,0)		AEMO debit account number
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Authorised date
EFFECTIVEDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed
ABN	varchar(20)		Australian Business Number

## 25.16 Table: PARTICIPANTCATEGORY

### 25.16.1 PARTICIPANTCATEGORY

Name	PARTICIPANTCATEGORY
Comment	PARTICIPANTCATEGORY sets out valid participant categories.

### 25.16.2 Description

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

#### Source

PARTICIPANTCATEGORY updates as categories change. PARTICIPANTCATEGORY changes infrequently.

### 25.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.16.4 Primary Key Columns

Name
PARTICIPANTCATEGORYID

### 25.16.5 Index Columns

Name
LASTCHANGED

### 25.16.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTCATEGORYID	varchar(10)	X	Participant category identifier
DESCRIPTION	varchar(64)		Category description
LASTCHANGED	datetime		Last date and time record changed

## 25.17 Table: PARTICIPANTCATEGORYALLOC

### 25.17.1 PARTICIPANTCATEGORYALLOC

Name	PARTICIPANTCATEGORYALLOC
Comment	PARTICIPANTCATEGORYALLOC sets out the assignment of participants to particular categories.

### 25.17.2 Description

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

#### Source

PARTICIPANTCATEGORYALLOC updates for new participants or when categories change. PARTICIPANTCATEGORYALLOC changes infrequently.

### 25.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.17.4 Primary Key Columns

Name
PARTICIPANTCATEGORYID
PARTICIPANTID

### 25.17.5 Index Columns

Name
LASTCHANGED

### 25.17.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTCATEGORYID	varchar(10)	X	Category unique identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
LASTCHANGED	datetime		Last date and time record changed

## 25.18 Table: PARTICIPANTCLASS

### 25.18.1 PARTICIPANTCLASS

Name	PARTICIPANTCLASS
Comment	PARTICIPANTCLASS sets out valid participant classifications.

### 25.18.2 Description

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

#### Source

PARTICIPANTCLASS updates only if classifications change. This table changes infrequently.

### 25.18.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.18.4 Primary Key Columns

Name
PARTICIPANTCLASSID

### 25.18.5 Index Columns

Name
LASTCHANGED

### 25.18.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTCLASSID	varchar(20)	X	Class of participant
DESCRIPTION	varchar(64)		Description of participant class
LASTCHANGED	datetime		Last date and time record changed

## 25.19 Table: PARTICIPANTCREDITDETAIL

### 25.19.1 PARTICIPANTCREDITDETAIL

Name	PARTICIPANTCREDITDETAIL
Comment	

### 25.19.2 Description

PARTICIPANTCREDITDETAIL data is confidential to each participant.

#### **Source**

PARTICIPANTCREDITDETAIL updates infrequently.

### 25.19.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 25.19.4 Primary Key Columns

Name	
EFFECTIVEDATE	
PARTICIPANTID	

### 25.19.5 Index Columns

Name	
PARTICIPANTID	

### 25.19.6 Index Columns

Name	
LASTCHANGED	

### 25.19.7 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	
PARTICIPANTID	varchar(10)	X	
CREDITLIMIT	numeric(10,0)		
AUTHORISEDBY	varchar(15)		
AUTHORISEDDATE	datetime		
LASTCHANGED	datetime		Last date and time record changed

## 25.20 Table: STADUALLOC

### 25.20.1 STADUALLOC

Name	STADUALLOC
Comment	STADUALLOC sets out details on the allocation of dispatchable units to particular sites or stations.

### 25.20.2 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.

### 25.20.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.20.4 Primary Key Columns

Name  
 DUID  
 EFFECTIVEDATE  
 STATIONID  
 VERSIONNO

### 25.20.5 Index Columns

Name  
 LASTCHANGED

### 25.20.6 Index Columns

Name  
 STATIONID  
 EFFECTIVEDATE  
 VERSIONNO

### 25.20.7 Index Columns

Name  
 DUID

### 25.20.8 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable Unit Identifier
EFFECTIVEDATE	datetime	X	Effective date of this record
STATIONID	varchar(10)	X	Station Identifier

VERSIONNO	numeric(3,0)	X	Version no of this record for the effective date
LASTCHANGED	datetime		Last date and time record changed

## 25.21 Table: STATION

### 25.21.1 STATION

Name	STATION
Comment	STATION sets out valid station identifiers.

### 25.21.2 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.

### 25.21.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.21.4 Primary Key Columns

Name
STATIONID

### 25.21.5 Index Columns

Name
LASTCHANGED

### 25.21.6 Content

Name	Data Type	Mandatory	Comment
STATIONID	varchar(10)	X	Station Identifier
STATIONNAME	varchar(80)		Full name of station
ADDRESS1	varchar(80)		Station Address
ADDRESS2	varchar(80)		Station Address
ADDRESS3	varchar(80)		Station Address
ADDRESS4	varchar(80)		Station Address
CITY	varchar(40)		City
STATE	varchar(10)		State of Australia
POSTCODE	varchar(10)		Post Code
LASTCHANGED	datetime		Last date and time record changed
CONNECTIONPOINTID	varchar(10)		Not used. Do not use as the Connection Point Identifier for station load

## 25.22 Table: STATIONOPERATINGSTATUS

### 25.22.1 STATIONOPERATINGSTATUS

Name	STATIONOPERATINGSTATUS
Comment	STATIONOPERATINGSTATUS sets out the operating status of each station.

### 25.22.2 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.

### 25.22.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.22.4 Primary Key Columns

Name
EFFECTIVEDATE
STATIONID
VERSIONNO

### 25.22.5 Index Columns

Name
LASTCHANGED

### 25.22.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of this record
STATIONID	varchar(10)	X	Unique station identifier
VERSIONNO	numeric(3,0)	X	Version no of record within the effective date
STATUS	varchar(20)		The operating status of this station, valid values are COMMISSIONED and DECOMMISSIONED
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed

## 25.23 Table: STATIONOWNER

### 25.23.1 STATIONOWNER

Name	STATIONOWNER
Comment	STATIONOWNER sets out the owner details of each station.

### 25.23.2 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.

### 25.23.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.23.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PARTICIPANTID  
 STATIONID  
 VERSIONNO

### 25.23.5 Index Columns

Name  
 LASTCHANGED

### 25.23.6 Index Columns

Name  
 STATIONID  
 EFFECTIVEDATE  
 VERSIONNO

### 25.23.7 Index Columns

Name  
 PARTICIPANTID

### 25.23.8 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of this record
PARTICIPANTID	varchar(10)	X	Unique participant identifier
STATIONID	varchar(10)	X	Station Identifier

VERSIONNO	numeric(3,0)	X	Version no of record within the effective date
LASTCHANGED	datetime		Last date and time record changed

## 25.24 Table: STATIONOWNERTRK

### 25.24.1 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.

### 25.24.2 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.

### 25.24.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 25.24.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PARTICIPANTID  
 VERSIONNO

### 25.24.5 Index Columns

Name  
 LASTCHANGED

### 25.24.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of this record
PARTICIPANTID	varchar(10)	X	Unique participant identifier
VERSIONNO	numeric(3,0)	X	Version no of record within the effective date
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed

## 26 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

#### 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

#### 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

#### 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.

## 26.1 List of tables

Name	Comment
PREDISPATCH_FCAS_REQ	PREDISPATCH_FCAS_REQ shows Predispatch Constraint tracking for Regional FCAS Requirements.
PREDISPATCH_LOCAL_PRIC_E	Sets out local pricing offsets associated with each DUID connection point for each dispatch period
PREDISPATCH_MNSPBIDTR_K	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.
PREDISPATCHBLOCKEDCO_NSTRAINT	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.
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.

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 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.
PREDISPATCHINTERSENSITIVITIES	PREDISPATCHINTERSENSITIVITIES sets out the sensitivity flows for each interconnector by period.
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.
PREDISPATCHOFFERTRK	PREDISPATCHOFFERTRK is for the ancillary service bid tracking of predispatch processing. PREDISPATCHOFFERTRK identifies which bids from BIDDAYOFFER and BIDPEROFFER were applied for a given unit and ancillary service for each predispatch run.
PREDISPATCHPRICE	PREDISPATCHPRICE records predispatch prices for each region by period for each predispatch run, including fields to handle the Ancillary Services functionality.
PREDISPATCHPRICESENSITIVITIES	PREDISPATCHPRICESENSITIVITIES sets out the sensitivity prices for each region by period.
PREDISPATCHREGIONSUM	PREDISPATCHREGIONSUM sets out the overall regional Pre-Dispatch results for base case details (excluding price).
PREDISPATCHSCENARIODEMAND	PREDISPATCHSCENARIODEMAND defines the demand offsets that are applied for each of the predispatch sensitivity scenarios.
PREDISPATCHSCENARIODEMANDTRK	Tracks the predispatch scenario offset updates across time

## 26.2 Diagram: Entities: Predispatch

PREDISPATCHCASESOLUTION
PREDISPATCHSEQNO
RUNNO

PREDISPATCHINTERCONNECTORRES
INTERCONNECTORID
DATETIME

PREDISPATCHLOAD
DUID
DATETIME

PREDISPATCHCONSTRAINT
CONSTRAINTID
DATETIME

PREDISPATCHPRICESENSITIVITIES
REGIONID
DATETIME

PREDISPATCHREGIONSUM
REGIONID
DATETIME

PREDISPATCHOFFERTRK
PREDISPATCHSEQNO
DUID
BIDTYPE
PERIODID

PREDISPATCHPRICE
REGIONID
DATETIME

PREDISPATCH_MNSPBIDTRK
PREDISPATCHSEQNO
LINKID
PERIODID

PREDISPATCHSCENARIODEMAND
EFFECTIVEDATE
VERSIONNO
SCENARIO
REGIONID

PREDISPATCH_FCAS_REQ
GENCONID
REGIONID
BIDTYPE
DATETIME

PREDISPATCHINTERSENSITIVITIES
INTERCONNECTORID
DATETIME

PREDISPATCHSCENARIODEMANDTRK
EFFECTIVEDATE
VERSIONNO

PREDISPATCHBLOCKEDCONSTRAINT
PREDISPATCHSEQNO
CONSTRAINTID

PREDISPATCH_LOCAL_PRICE
DATETIME
DUID

## 26.3 Table: PREDISPATCH\_FCAS\_REQ

### 26.3.1 PREDISPATCH\_FCAS\_REQ

Name	PREDISPATCH_FCAS_REQ
Comment	PREDISPATCH_FCAS_REQ shows Predispatch Constraint tracking for Regional FCAS Requirements.

### 26.3.2 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.

### 26.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.3.4 Primary Key Columns

Name
BIDTYPE
DATETIME
GENCONID
REGIONID

### 26.3.5 Index Columns

Name
LASTCHANGED

### 26.3.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		PreDispatch Sequence number
RUNNO	numeric(3,0)		Case Run number
INTERVENTION	numeric(2,0)		Intervention Flag
PERIODID	varchar(20)		Unique period identifier, in the format yyyyymmddpp. The period (pp) is 01 to 48, with 01 corresponding to the half-hour

			ending at 04:30am.
GENCONID	varchar(20)	X	Generic Constraint ID - Join to table GenConData
REGIONID	varchar(10)	X	Region ID
BIDTYPE	varchar(10)	X	Bid Type Identifier
GENCONEFFECTIVEDATE	datetime		Generic Constraint EffectiveDate - Join to table GenConData
GENCONVERSIONNO	numeric(3,0)		Generic Constraint Version number - Join to table GenConData
MARGINALVALUE	numeric(16,6)		Marginal Value of generic constraint
DATETIME	datetime	X	Date and Time of trading interval
LASTCHANGED	datetime		Last date and time record changed
BASE_COST	numeric(18,8)		The base cost of the constraint for this service, before the regulation/contingency split
ADJUSTED_COST	numeric(18,8)		The adjusted cost of the constraint for this service, before the regulation/contingency split
ESTIMATED_CMPF	numeric(18,8)		An estimated value for the constraint CMPF, based on dispatched data
ESTIMATED_CRMPF	numeric(18,8)		An estimated value for the constraint CRMPF, based on dispatched data
RECOVERY_FACTOR_CMPF	numeric(18,8)		Estimated recovery factor for CMPF based recovery
RECOVERY_FACTOR_CRMPF	numeric(18,8)		Estimated recovery factor for CRMPF based recovery

## 26.4 Table: PREDISPATCH\_LOCAL\_PRICE

### 26.4.1 PREDISPATCH\_LOCAL\_PRICE

Name	PREDISPATCH_LOCAL_PRICE
Comment	Sets out local pricing offsets associated with each DUID connection point for each dispatch period

### 26.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 26.4.3 Primary Key Columns

Name
DATETIME
DUID

### 26.4.4 Index Columns

Name
DATETIME
DUID

### 26.4.5 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
DATETIME	datetime	X	The unique identifier for the interval within this study
DUID	varchar(20)	X	Dispatchable unit identifier
PERIODID	varchar(20)		A period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period
LOCAL_PRICE_ADJUSTMENT	numeric(10,2)		Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints
LOCALLY_CONSTRAINED	numeric(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	datetime		Last date and time record changed

## 26.5 Table: PREDISPATCH\_MNSPBIDTRK

### 26.5.1 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.

### 26.5.2 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

### 26.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.5.4 Primary Key Columns

Name
LINKID
PERIODID
PREDISPATCHSEQNO

### 26.5.5 Index Columns

Name
LASTCHANGED

### 26.5.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)	X	Predispatch run identifier
LINKID	varchar(10)	X	Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to.
PERIODID	varchar(20)	X	Trading Interval number
PARTICIPANTID	varchar(10)		Participant Identifier
SETTLEMENTDATE	datetime		Market Date from which bid is active
OFFERDATE	datetime		Offer date for bid
VERSIONNO	numeric(3,0)		Version No. for given offer date and settlement date used
DATETIME	datetime		Period expressed as Date/Time
LASTCHANGED	datetime		Record creation timestamp



## 26.6 Table: PREDISPATCHBLOCKEDCONSTRAINT

### 26.6.1 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.

### 26.6.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.6.3 Primary Key Columns

Name
CONSTRAINTID
PREDISPATCHSEQNO

### 26.6.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
CONSTRAINTID	varchar(20)	X	Generic Constraint identifier (synonymous with GenConID)

## 26.7 Table: PREDISPATCHCASESOLUTION

### 26.7.1 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.

### 26.7.2 Description

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

#### Source

PREDISPATCHCASESOLUTION updates every half-hour.

#### Volume

Approximately 48 records per day.

### 26.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.7.4 Primary Key Columns

Name
PREDISPATCHSEQNO
RUNNO

### 26.7.5 Index Columns

Name
LASTCHANGED

### 26.7.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)	X	Predispatch run no, normally 1.
SOLUTIONSTATUS	numeric(2,0)		If non-zero indicated one of the following conditions: 1 = Supply Scarcity, Excess generation or constraint violations, -X = Model failure
SPDVERSION	varchar(20)		Current version of SPD
NONPHYSICALLOSSES	numeric(1,0)		Non-Physical Losses algorithm invoked during this run
TOTALOBJECTIVE	numeric(27,10)		The Objective function from the LP
TOTALAREAGENVIOLA	numeric(15,5)		Total Region Demand violations

TION			
TOTALINTERCONNECT ORVIOLATION	numeric(15,5)		Total interconnector violations
TOTALGENERICVIOLAT ION	numeric(15,5)		Total generic constraint violations
TOTALRAMPRATEVIOL ATION	numeric(15,5)		Total ramp rate violations
TOTALUNITMWCAPACI TYVIOLATION	numeric(15,5)		Total unit capacity violations
TOTAL5MINVIOLATION	numeric(15,5)		Total of 5 minute ancillary service region violations
TOTALREGVIOLATION	numeric(15,5)		Total of Regulation ancillary service region violations
TOTAL6SECVIOLATION	numeric(15,5)		Total of 6 second ancillary service region violations
TOTAL60SECVIOLATIO N	numeric(15,5)		Total of 60 second ancillary service region violations
TOTALASPROFILEVIOL ATION	numeric(15,5)		Total of ancillary service trader profile violations
TOTALENERGYCONST RVIOLATION	numeric(15,5)		Total of Energy Constrained unit offer violations.
TOTALENERGYOFFER VIOLATION	numeric(15,5)		Total of unit summated offer band violations
LASTCHANGED	datetime		Last date and time record changed
INTERVENTION	numeric(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

## 26.8 Table: PREDISPATCHCONSTRAINT

### 26.8.1 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.

### 26.8.2 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.

### 26.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 26.8.4 Primary Key Columns

Name
CONSTRAINTID
DATETIME

### 26.8.5 Index Columns

Name
PREDISPATCHSEQNO

### 26.8.6 Index Columns

Name
LASTCHANGED

### 26.8.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)		SPD Predispatch run no, typically 1. It increments if the case is re-run.
CONSTRAINTID	varchar(20)	X	Generic constraint identifier
PERIODID	varchar(20)		Unique period identifier, in the format yyymmddpp. The period (pp) is 01 to 48, with 01 corresponding to the half-hour ending at 04:30am.
INTERVENTION	numeric(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	numeric(15,5)		RHS value used.
MARGINALVALUE	numeric(15,5)		Marginal value of violated constraint
VIOLATIONDEGREE	numeric(15,5)		Degree of constraint violation
LASTCHANGED	datetime		Last date and time record changed
DATETIME	datetime	X	Period date and time
DUID	varchar(20)		DUID to which the Constraint is confidential. Null denotes non-confidential
GENCONID_EFFECTIVEDATE	datetime		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	numeric(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	numeric(15,5)		Aggregation of the constraints LHS term solution values

## 26.9 Table: PREDISPATCHINTERCONNECTORRES

### 26.9.1 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.

### 26.9.2 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.

### 26.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.9.4 Primary Key Columns

Name	DATETIME
	INTERCONNECTORID

### 26.9.5 Index Columns

Name	PREDISPATCHSEQNO
------	------------------

### 26.9.6 Index Columns

Name	LASTCHANGED
------	-------------

### 26.9.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30

RUNNO	numeric(3,0)		SPD Predispatch run no, typically 1. It increments if the case is re-run.
INTERCONNECTORID	varchar(10)	X	Interconnector identifier
PERIODID	varchar(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	numeric(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	numeric(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	numeric(15,5)		Calculated MW Flow
MWLLOSSES	numeric(15,5)		Calculated MW Losses
MARGINALVALUE	numeric(15,5)		\$ Marginal value of interconnector constraint from SPD
VIOLATIONDEGREE	numeric(15,5)		Degree of violation of interconnector constraint in MW
LASTCHANGED	datetime		Last changed.
DATETIME	datetime	X	Period date and time
EXPORTLIMIT	numeric(15,5)		Calculated export limit.
IMPORTLIMIT	numeric(15,5)		Calculated import limit.
MARGINALLOSS	numeric(15,5)		Marginal loss factor. Use this to adjust bids between reports.
EXPORTGENCONID	varchar(20)		Generic Constraint setting the export limit
IMPORTGENCONID	varchar(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	numeric(15,5)		Calculated export limit applying to energy + FCAS.
FCASIMPORTLIMIT	numeric(15,5)		Calculated import limit applying to energy + FCAS.
LOCAL_PRICE_ADJUSTMENT_EXPORT	numeric(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINED_EXPORT	numeric(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	numeric(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINED_IMPORT	numeric(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

## 26.10 Table: PREDISPATCHINTERSENSITIVITIES

### 26.10.1 PREDISPATCHINTERSENSITIVITIES

Name	PREDISPATCHINTERSENSITIVITIES
Comment	PREDISPATCHINTERSENSITIVITIES sets out the sensitivity flows for each interconnector by period.

### 26.10.2 Primary Key Columns

Name
DATETIME
INTERCONNECTORID

### 26.10.3 Index Columns

Name
LASTCHANGED

### 26.10.4 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)		LP Solver Predispatch run no, typically 1. It increments if the case is re-run.
INTERCONNECTORID	varchar(10)	X	Unique interconnector identifier
PERIODID	varchar(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	numeric(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	datetime	X	Period date and time
INTERVENTION_ACTIVE	numeric(1,0)		Flag to indicate if this period has an active intervention constraint: 0= No, 1= Yes
MWFLOW1	numeric(15,5)		MW flow for given Interconnector for scenario 1
MWFLOW2	numeric(15,5)		MW flow for given Interconnector for scenario 2
MWFLOW3	numeric(15,5)		MW flow for given Interconnector for scenario 3
MWFLOW4	numeric(15,5)		MW flow for given Interconnector for scenario 4
MWFLOW5	numeric(15,5)		MW flow for given Interconnector for scenario 5
MWFLOW6	numeric(15,5)		MW flow for given Interconnector for scenario 6
MWFLOW7	numeric(15,5)		MW flow for given Interconnector for scenario 7
MWFLOW8	numeric(15,5)		MW flow for given Interconnector for

MWFLOW9	numeric(15,5)		scenario 8 MW flow for given Interconnector for scenario 9
MWFLOW10	numeric(15,5)		MW flow for given Interconnector for scenario 10
MWFLOW11	numeric(15,5)		MW flow for given Interconnector for scenario 11
MWFLOW12	numeric(15,5)		MW flow for given Interconnector for scenario 12
MWFLOW13	numeric(15,5)		MW flow for given Interconnector for scenario 13
MWFLOW14	numeric(15,5)		MW flow for given Interconnector for scenario 14
MWFLOW15	numeric(15,5)		MW flow for given Interconnector for scenario 15
MWFLOW16	numeric(15,5)		MW flow for given Interconnector for scenario 16
MWFLOW17	numeric(15,5)		MW flow for given Interconnector for scenario 17
MWFLOW18	numeric(15,5)		MW flow for given Interconnector for scenario 18
MWFLOW19	numeric(15,5)		MW flow for given Interconnector for scenario 19
MWFLOW20	numeric(15,5)		MW flow for given Interconnector for scenario 20
MWFLOW21	numeric(15,5)		MW flow for given Interconnector for scenario 21
MWFLOW22	numeric(15,5)		MW flow for given Interconnector for scenario 22
MWFLOW23	numeric(15,5)		MW flow for given Interconnector for scenario 23
MWFLOW24	numeric(15,5)		MW flow for given Interconnector for scenario 24
MWFLOW25	numeric(15,5)		MW flow for given Interconnector for scenario 25
MWFLOW26	numeric(15,5)		MW flow for given Interconnector for scenario 26
MWFLOW27	numeric(15,5)		MW flow for given Interconnector for scenario 27
MWFLOW28	numeric(15,5)		MW flow for given Interconnector for scenario 28
MWFLOW29	numeric(15,5)		MW flow for given Interconnector for scenario 29
MWFLOW30	numeric(15,5)		MW flow for given Interconnector for scenario 30
MWFLOW31	numeric(15,5)		MW flow for given Interconnector for scenario 31
MWFLOW32	numeric(15,5)		MW flow for given Interconnector for scenario 32
MWFLOW33	numeric(15,5)		MW flow for given Interconnector for scenario 33
MWFLOW34	numeric(15,5)		MW flow for given Interconnector for scenario 34
MWFLOW35	numeric(15,5)		MW flow for given Interconnector for scenario 35
MWFLOW36	numeric(15,5)		MW flow for given Interconnector for scenario 36
MWFLOW37	numeric(15,5)		MW flow for given Interconnector for scenario 37
MWFLOW38	numeric(15,5)		MW flow for given Interconnector for

			scenario 38
MWFLOW39	numeric(15,5)		MW flow for given Interconnector for scenario 39
MWFLOW40	numeric(15,5)		MW flow for given Interconnector for scenario 40
MWFLOW41	numeric(15,5)		MW flow for given Interconnector for scenario 41
MWFLOW42	numeric(15,5)		MW flow for given Interconnector for scenario 42
MWFLOW43	numeric(15,5)		MW flow for given Interconnector for scenario 43
LASTCHANGED	datetime		Last date and time record changed

## 26.11 Table: PREDISPATCHLOAD

### 26.11.1 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.

### 26.11.2 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 (i.e. is unavailable).
1	001	Not stranded, not trapped, is enabled (i.e. available).
3	011	Not stranded, is trapped, is enabled (i.e. trapped).
4	100	Is stranded, not trapped, not enabled (i.e. stranded).

For example, testing for availability can be done by checking for odd (=available) or even (=unavailable) number (e.g.  $\text{mod}(\text{flag}, 2)$  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.

### 26.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 26.11.4 Primary Key Columns

Name
DATETIME
DUID

### 26.11.5 Index Columns

Name  
LASTCHANGED

### 26.11.6 Index Columns

Name  
DUID  
LASTCHANGED

### 26.11.7 Index Columns

Name  
PREDISPATCHSEQNO

### 26.11.8 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)		SPD Predispatch run no, typically 1. It increments if the case is re-run.
DUID	varchar(10)	X	Dispatchable unit identifier for fast start
TRADETYPE	numeric(2,0)		Not used
PERIODID	varchar(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	numeric(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	varchar(12)		Connection point identifier
AGCSTATUS	numeric(2,0)		AGC Status from EMS
DISPATCHMODE	numeric(2,0)		Dispatch mode of unit for fast start (1-4)
INITIALMW	numeric(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.
TOTALCleared	numeric(15,5)		Target MW at end of period
LOWER5MIN	numeric(15,5)		Lower 5 min MW target in period
LOWER60SEC	numeric(15,5)		Lower 60 sec MW target in period
LOWER6SEC	numeric(15,5)		Lower 6 sec MW target in period
RAISE5MIN	numeric(15,5)		Raise 5 min MW target in period
RAISE60SEC	numeric(15,5)		Raise 60 sec MW target in period
RAISE6SEC	numeric(15,5)		Raise 6 sec MW target in period
RAMPDOWNRATE	numeric(15,5)		Ramp down rate in period in MW/minute
RAMPUPRATE	numeric(15,5)		Ramp up rate in period in MW/minute
DNNEPF	numeric(15,5)		Not used in Pre-Dispatch
UPEPF	numeric(15,5)		Not used in Pre-Dispatch
MARGINAL5MINVALUE	numeric(15,5)		Marginal \$ value for 5 min from LP Solver
MARGINAL60SECVALU E	numeric(15,5)		Marginal \$ value for 60 seconds from LP Solver

MARGINAL6SECVALUE	numeric(15,5)		Marginal \$ value for 6 seconds from LP Solver
MARGINALVALUE	numeric(15,5)		Marginal \$ value for energy from LP Solver
VIOLATION5MINDEGREE	numeric(15,5)		Violation MW 5 min
VIOLATION60SECDEGREE	numeric(15,5)		Violation MW 60 seconds
VIOLATION6SECDEGREE	numeric(15,5)		Violation MW 6 seconds
VIOLATIONDEGREE	numeric(15,5)		Violation MW energy
LASTCHANGED	datetime		Last date and time record changed
DATETIME	datetime	X	Period date and time
LOWERREG	numeric(15,5)		Lower Regulation reserve target
RAISEREG	numeric(15,5)		Raise Regulation reserve target
AVAILABILITY	numeric(15,5)		Bid energy availability
RAISE6SECFLAGS	numeric(3,0)		Raise 6sec status flag
RAISE60SECFLAGS	numeric(3,0)		Raise 60sec status flag
RAISE5MINFLAGS	numeric(3,0)		Raise 5min status flag
RAISEREGFLAGS	numeric(3,0)		Raise reg status flag
LOWER6SECFLAGS	numeric(3,0)		Lower 6sec status flag
LOWER60SECFLAGS	numeric(3,0)		Lower 60sec status flag
LOWER5MINFLAGS	numeric(3,0)		Lower 5min status flag
LOWERREGFLAGS	numeric(3,0)		Lower Reg status flag
RAISE6SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower reg availability
SEMDISPATCHCAP	numeric(3,0)		Boolean representation flagging if the Target is Capped

## 26.12 Table: PREDISPATCHOFFERTRK

### 26.12.1 PREDISPATCHOFFERTRK

Name	PREDISPATCHOFFERTRK
Comment	PREDISPATCHOFFERTRK is for the ancillary service bid tracking of predispatch processing. PREDISPATCHOFFERTRK identifies which bids from BIDDAYOFFER and BIDPROFFER were applied for a given unit and ancillary service for each predispatch run.

### 26.12.2 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.

### 26.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 26.12.4 Primary Key Columns

Name
BIDTYPE
DUID
PERIODID
PREDISPATCHSEQNO

### 26.12.5 Index Columns

Name
LASTCHANGED

### 26.12.6 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
DUID	varchar(10)	X	Dispatchable Unit identifier
BIDTYPE	varchar(20)	X	Bid type Identifier - the ancillary service to which the bid applies
PERIODID	varchar(20)	X	PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
BIDSETTLEMENTDATE	datetime		Settlement date of bid applied
BIDOFFERDATE	datetime		Offer date of bid applied

DATETIME	datetime		Period date and time
LASTCHANGED	datetime		Last date and time record changed

## 26.13 Table: PREDISPATCHPRICE

### 26.13.1 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.

### 26.13.2 Description

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

#### Source

PREDISPATCHPRICE updates with every thirty-minute predispatch run.

### 26.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.13.4 Primary Key Columns

Name
DATETIME
REGIONID

### 26.13.5 Index Columns

Name
LASTCHANGED

### 26.13.6 Index Columns

Name
PREDISPATCHSEQNO

### 26.13.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)		LP Solver Predispatch run no, typically 1. It increments if the case is re-run.
REGIONID	varchar(10)	X	Unique region identifier
PERIODID	varchar(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	numeric(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	numeric(15,5)		Regional Reference Price
EEP	numeric(15,5)		Excess energy price
RRP1	numeric(15,5)		Not used
EEP1	numeric(15,5)		Not used
RRP2	numeric(15,5)		Not used
EEP2	numeric(15,5)		Not used
RRP3	numeric(15,5)		Not used
EEP3	numeric(15,5)		Not used
RRP4	numeric(15,5)		Not used
EEP4	numeric(15,5)		Not used
RRP5	numeric(15,5)		Not used
EEP5	numeric(15,5)		Not used
RRP6	numeric(15,5)		Not used
EEP6	numeric(15,5)		Not used
RRP7	numeric(15,5)		Not used
EEP7	numeric(15,5)		Not used
RRP8	numeric(15,5)		Not used
EEP8	numeric(15,5)		Not used
LASTCHANGED	datetime		Last date and time record changed
DATETIME	datetime	X	Period date and time
RAISE6SECRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISE60SECRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISE5MINRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISEREGRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWER6SECRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWER60SECRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWER5MINRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWERREGRRP	numeric(15,5)		Regional reference price for this dispatch period

## 26.14 Table: PREDISPATCHPRICESENSITIVITIES

### 26.14.1 PREDISPATCHPRICESENSITIVITIES

Name	PREDISPATCHPRICESENSITIVITIES
Comment	PREDISPATCHPRICESENSITIVITIES sets out the sensitivity prices for each region by period.

### 26.14.2 Description

#### Source

The plan is to provide this data every half-hour.

### 26.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.14.4 Primary Key Columns

Name
DATETIME
REGIONID

### 26.14.5 Index Columns

Name
PREDISPATCHSEQNO

### 26.14.6 Index Columns

Name
LASTCHANGED

### 26.14.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)		LP Solver Predispatch run no, typically 1. It increments if the case is re-run.
REGIONID	varchar(10)	X	Unique region identifier
PERIODID	varchar(20)		PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.
INTERVENTION	numeric(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	numeric(15,5)		Regional Energy Price for scenario 1
RRPEEP2	numeric(15,5)		Regional Energy Price for scenario 2
RRPEEP3	numeric(15,5)		Regional Energy Price for scenario 3
RRPEEP4	numeric(15,5)		Regional Energy Price for scenario 4
RRPEEP5	numeric(15,5)		Regional Energy Price for scenario 5
RRPEEP6	numeric(15,5)		Regional Energy Price for scenario 6
RRPEEP7	numeric(15,5)		Regional Energy Price for scenario 7
RRPEEP8	numeric(15,5)		Regional Energy Price for scenario 8
RRPEEP9	numeric(15,5)		Regional Energy Price for scenario 9
RRPEEP10	numeric(15,5)		Regional Energy Price for scenario 10
RRPEEP11	numeric(15,5)		Regional Energy Price for scenario 11
RRPEEP12	numeric(15,5)		Regional Energy Price for scenario 12
RRPEEP13	numeric(15,5)		Regional Energy Price for scenario 13
RRPEEP14	numeric(15,5)		Regional Energy Price for scenario 14
RRPEEP15	numeric(15,5)		Regional Energy Price for scenario 15
RRPEEP16	numeric(15,5)		Regional Energy Price for scenario 16
RRPEEP17	numeric(15,5)		Regional Energy Price for scenario 17
RRPEEP18	numeric(15,5)		Regional Energy Price for scenario 18
RRPEEP19	numeric(15,5)		Regional Energy Price for scenario 19
RRPEEP20	numeric(15,5)		Regional Energy Price for scenario 20
RRPEEP21	numeric(15,5)		Regional Energy Price for scenario 21
RRPEEP22	numeric(15,5)		Regional Energy Price for scenario 22
RRPEEP23	numeric(15,5)		Regional Energy Price for scenario 23
RRPEEP24	numeric(15,5)		Regional Energy Price for scenario 24
RRPEEP25	numeric(15,5)		Regional Energy Price for scenario 25
RRPEEP26	numeric(15,5)		Regional Energy Price for scenario 26
RRPEEP27	numeric(15,5)		Regional Energy Price for scenario 27
RRPEEP28	numeric(15,5)		Regional Energy Price for scenario 28
LASTCHANGED	datetime		Last date and time record changed
DATETIME	datetime	X	Period date and time
RRPEEP29	numeric(15,5)		Regional Energy Price for scenario 29
RRPEEP30	numeric(15,5)		Regional Energy Price for scenario 30
RRPEEP31	numeric(15,5)		Regional Energy Price for scenario 31
RRPEEP32	numeric(15,5)		Regional Energy Price for scenario 32
RRPEEP33	numeric(15,5)		Regional Energy Price for scenario 33
RRPEEP34	numeric(15,5)		Regional Energy Price for scenario 34
RRPEEP35	numeric(15,5)		Regional Energy Price for scenario 35
INTERVENTION_ACTIVE	numeric(1,0)		Flag to indicate if this period has an active intervention constraint: 0= No, 1= Yes
RRPEEP36	numeric(15,5)		Regional Energy Price for scenario 36
RRPEEP37	numeric(15,5)		Regional Energy Price for scenario 37
RRPEEP38	numeric(15,5)		Regional Energy Price for scenario 38
RRPEEP39	numeric(15,5)		Regional Energy Price for scenario 39
RRPEEP40	numeric(15,5)		Regional Energy Price for scenario 40
RRPEEP41	numeric(15,5)		Regional Energy Price for scenario 41
RRPEEP42	numeric(15,5)		Regional Energy Price for scenario 42
RRPEEP43	numeric(15,5)		Regional Energy Price for scenario 43

## 26.15 Table: PREDISPATCHREGIONSUM

### 26.15.1 PREDISPATCHREGIONSUM

Name	PREDISPATCHREGIONSUM
Comment	PREDISPATCHREGIONSUM sets out the overall regional Pre-Dispatch results for base case details (excluding price).

### 26.15.2 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).

### 26.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 26.15.4 Primary Key Columns

Name
DATETIME
REGIONID

### 26.15.5 Index Columns

Name
LASTCHANGED

### 26.15.6 Index Columns

Name
PREDISPATCHSEQNO

### 26.15.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)		Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
RUNNO	numeric(3,0)		LP Solver Pre-Dispatch run no, typically 1. It increments if the case is re-run.
REGIONID	varchar(10)	X	Unique region identifier
PERIODID	varchar(20)		PERIODID is just a period count, starting from 1 for each Pre-Dispatch run. Use DATETIME to determine half hour period.
INTERVENTION	numeric(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	numeric(15,5)		Total demand in MW for period (less normally on loads)
AVAILABLEGENERATION	numeric(15,5)		Aggregate generation bid available in region
AVAILABLELOAD	numeric(15,5)		Aggregate load bid available in region
DEMANDFORECAST	numeric(15,5)		Delta MW value only
DISPATCHABLEGENERATION	numeric(15,5)		Generation dispatched in period
DISPATCHABLELOAD	numeric(15,5)		Load dispatched in period
NETINTERCHANGE	numeric(15,5)		Net interconnector flow from the regional reference node
EXCESSGENERATION	numeric(15,5)		Excess generation in period / Deficit generation if VOLL
LOWER5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	numeric(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Local price of lower 5 min
LOWER5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 5 min
LOWER5MINREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER5MINSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 5 min
LOWER60SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW imported
LOWER60SECLOCALDISPATCH	numeric(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Local price of lower 60 sec
LOWER60SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec local requirement

LOWER60SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 60 sec
LOWER60SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER60SECSUPPLY PRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 60 sec
LOWER6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	numeric(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 6 sec
LOWER6SECLOCALREQ Q	numeric(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 6 sec
LOWER6SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
LOWER6SECSUPPLY PRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 6 sec
RAISE5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW dispatch
RAISE5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISP ATCH	numeric(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALPRIC E	numeric(15,5)		Not used since Dec 2003. Local price of raise 5 min
RAISE5MINLOCALREQ Q	numeric(15,5)		Not used since Dec 2003. Raise 5 min local requirement
RAISE5MINPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 5 min
RAISE5MINREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE5MINSUPPLYPRI CE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 5 min
RAISE60SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDISPATCH	numeric(15,5)		Raise 60 sec local dispatch
RAISE60SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of raise 60 sec
RAISE60SECLOCALREQ Q	numeric(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 60 sec
RAISE60SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE60SECSUPPLY PRICE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 60 sec
RAISE6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISP ATCH	numeric(15,5)		Raise 6 sec local dispatch

RAISE6SECLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Local price of raise 6 sec
RAISE6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 6 sec
RAISE6SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
RAISE6SECSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 6 sec
LASTCHANGED	datetime		Period date and time
DATETIME	datetime	X	Period expressed as Date/Time
INITIALSUPPLY	numeric(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	numeric(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	numeric(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGLOCALDISPATCH	numeric(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	numeric(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGLOCALDISPATCH	numeric(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement

LOWER60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
RAISE6SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 6sec availability
RAISE60SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 60sec availability
RAISE5MINACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise 5min availability
RAISEREGACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted raise reg availability
LOWER6SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 6sec availability
LOWER60SECACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 60sec availability
LOWER5MINACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower 5min availability
LOWERREGACTUALAVAILABILITY	numeric(16,6)		trapezium adjusted lower reg availability
DECAVAILABILITY	numeric(16,6)		generation availability taking into account daily energy constraints
LORSURPLUS	numeric(16,6)		Not used after Feb 2006. Total short term generation capacity reserve used in assessing lack of reserve condition
LRCSURPLUS	numeric(16,6)		Not used after Feb 2006. Total short term generation capacity reserve above the stated low reserve condition requirement
TOTALINTERMITTENTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULE_CLEAREDMW	numeric(15,5)		Regional aggregated Semi-Schedule generator Cleared MW
SEMISCHEDULE_COMPLIANCEMW	numeric(15,5)		Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced

## 26.16 Table: PREDISPATCHSCENARIODEMAND

### 26.16.1 PREDISPATCHSCENARIODEMAND

Name	PREDISPATCHSCENARIODEMAND
Comment	PREDISPATCHSCENARIODEMAND defines the demand offsets that are applied for each of the predispatch sensitivity scenarios.

### 26.16.2 Primary Key Columns

Name  
 EFFECTIVEDATE  
 REGIONID  
 SCENARIO  
 VERSIONNO

### 26.16.3 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	The effective date of this set of scenarios
VERSIONNO	numeric(3)	X	The version of this set of scenarios
SCENARIO	numeric(2)	X	The scenario identifier.
REGIONID	varchar(20)	X	The region to which to apply the deltaMW for this SCENARIO.
DELTAMW	numeric(4)		The MW offset that is applied for this scenario

## 26.17 Table: PREDISPATCHSCENARIODEMANDTRK

### 26.17.1 PREDISPATCHSCENARIODEMANDTRK

Name	PREDISPATCHSCENARIODEMANDTRK
Comment	Tracks the predispatch scenario offset updates across time

### 26.17.2 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO

### 26.17.3 Index Columns

Name
LASTCHANGED

### 26.17.4 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	The effective date of this set of scenarios
VERSIONNO	numeric(3)	X	The version of this set of scenarios
AUTHORISEDBY	varchar(15)		The user that authorised the scenario update
AUTHORISEDDATE	datetime		The datetime that the scenario update was authorised
LASTCHANGED	datetime		The datetime that the record was last changed

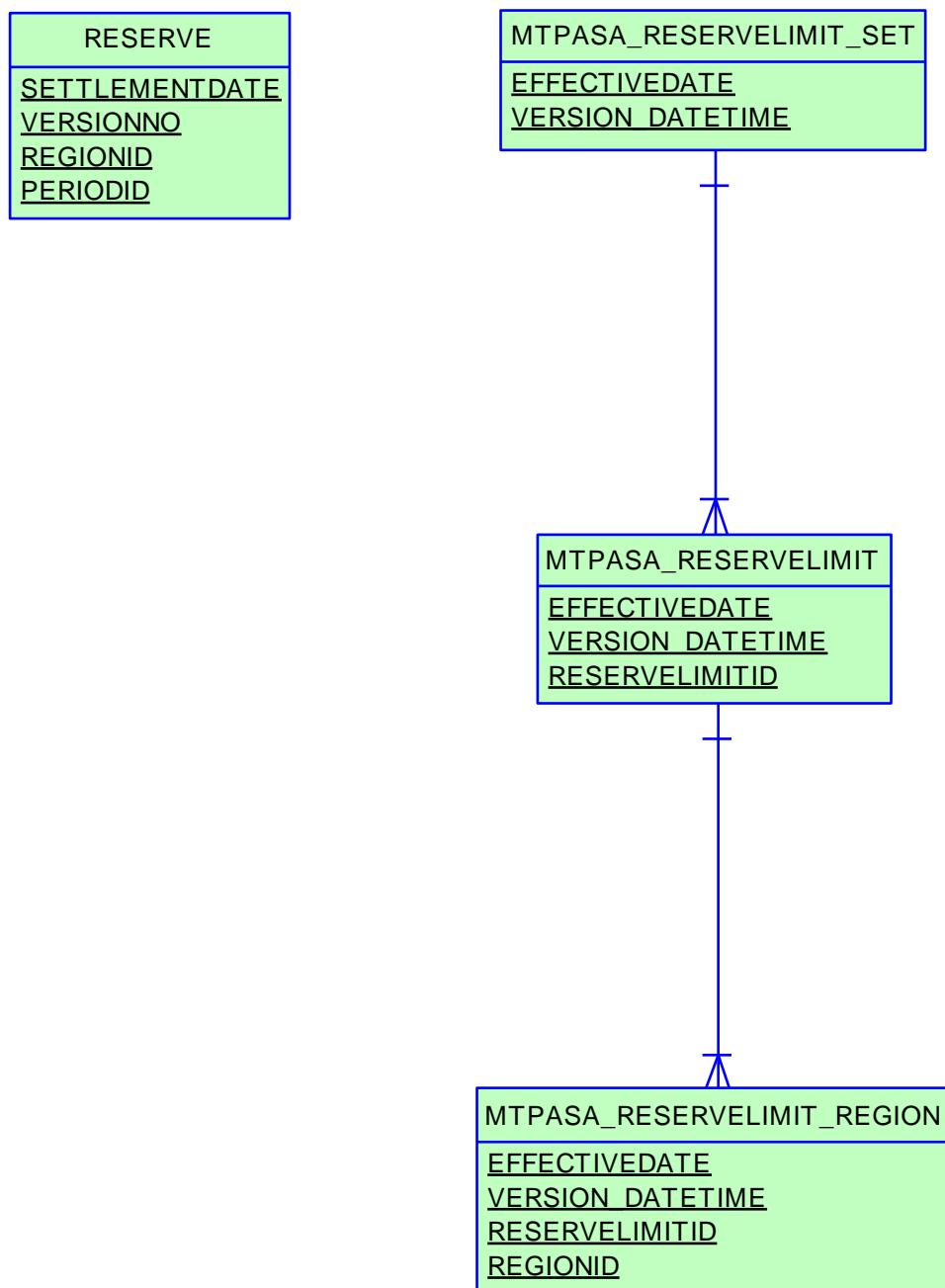
## 27 Package: RESERVE\_DATA

*Name* RESERVE\_DATA  
*Comment* Energy and FCAS reserve requirements

### 27.1 List of tables

Name	Comment
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.
MTPASA_RESERVELIMIT_REGION	MT PASA input table to define the regions that are part of a single MT PASA Reserve Requirement
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.
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.

## 27.2 Diagram: Entities: Reserve Data



## 27.3 Table: MTPASA\_RESERVELIMIT

### 27.3.1 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.

### 27.3.2 Description

#### Source

MTPASA\_RESERVELIMIT is updated on an ad hoc basis when a new Reserve Requirement is published.

#### Volume

~20 rows per year

### 27.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 27.3.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 RESERVELIMITID  
 VERSION\_DATETIME

### 27.3.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Trade date when the set of reserve requirements become effective
VERSION_DATETIME	datetime	X	Timestamp when the set of reserve requirements become effective
RESERVELIMITID	varchar(20)	X	MT PASA Reserve Requirement identifier
DESCRIPTION	varchar(200)		Description of this Reserve Requirement
RHS	numeric(16,6)		Right hand side value for this Reserve requirement
LASTCHANGED	datetime		Timestamp the record was last modified.

## 27.4 Table: MTPASA\_RESERVELIMIT\_REGION

### 27.4.1 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

### 27.4.2 Description

#### Source

MTPASA\_RESERVELIMIT\_REGION is updated on an ad hoc basis when a new Reserve Requirement is published.

#### Volume

~50 rows per year

### 27.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 27.4.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 REGIONID  
 RESERVELIMITID  
 VERSION\_DATETIME

### 27.4.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Trade date when the set of reserve requirements become effective
VERSION_DATETIME	datetime	X	Timestamp when the set of reserve requirements become effective
RESERVELIMITID	varchar(20)	X	MT PASA Reserve requirement identifier
REGIONID	varchar(20)	X	Region ID - identifier of a NEM region included in this requirement
COEF	numeric(16,6)		Coefficient for the region in this reserve requirement
LASTCHANGED	datetime		Timestamp the record was last modified

## 27.5 Table: MTPASA\_RESERVELIMIT\_SET

### 27.5.1 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.

### 27.5.2 Description

#### Source

MTPASA\_RESERVELIMIT\_SET is updated on an ad hoc basis when a new Reserve Requirement is published.

#### Volume

~2 rows per year

### 27.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 27.5.4 Primary Key Columns

Name
EFFECTIVEDATE
VERSION_DATETIME

### 27.5.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Trade date when the set of reserve requirements become effective
VERSION_DATETIME	datetime	X	Timestamp when the set of reserve requirements become effective
RESERVELIMIT_SET_ID	varchar(20)		MT PASA LRC Reserve Requirement Set Identifier
DESCRIPTION	varchar(200)		Description of this set of Reserve Requirements
AUTHORISED_DATE	datetime		Date the requirement set was authorised
AUTHORISED_BY	varchar(20)		User authorising this requirement set
LASTCHANGED	datetime		Timestamp the record was last modified

## 27.6 Table: RESERVE

### 27.6.1 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.

### 27.6.2 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.

### 27.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 27.6.4 Primary Key Columns

Name  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 27.6.5 Index Columns

Name  
 LASTCHANGED

### 27.6.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:00am
VERSIONNO	numeric(3,0)	X	Version No of record for this date, the version of the file loaded to produce these reserve figures
REGIONID	varchar(12)	X	Differentiates this region from all other regions

PERIODID	numeric(2,0)	X	Market Trading Interval
LOWER5MIN	numeric(6,0)		Lower 5 minute reserve requirement
LOWER60SEC	numeric(6,0)		Lower 60 second reserve requirement
LOWER6SEC	numeric(6,0)		Lower 6 second reserve requirement
RAISE5MIN	numeric(6,0)		Raise 5 minute reserve requirement
RAISE60SEC	numeric(6,0)		Raise 60 second reserve requirement
RAISE6SEC	numeric(6,0)		Raise 6 second reserve requirement
LASTCHANGED	datetime		Last date and time record changed
PASARESERVE	numeric(6,0)		PASA reserve requirement
LOADREJECTIONRESE	numeric(10,0)		PASA Load rejection reserve requirement
RVEREQ			
RAISEREG	numeric(6,0)		Raise Regulation reserve requirement
LOWERREG	numeric(6,0)		Lower Regulation reserve requirement
LOR1LEVEL	numeric(6,0)		PASA Lack of Reserve 1 Level
LOR2LEVEL	numeric(6,0)		PASA Lack of Reserve 1 Level

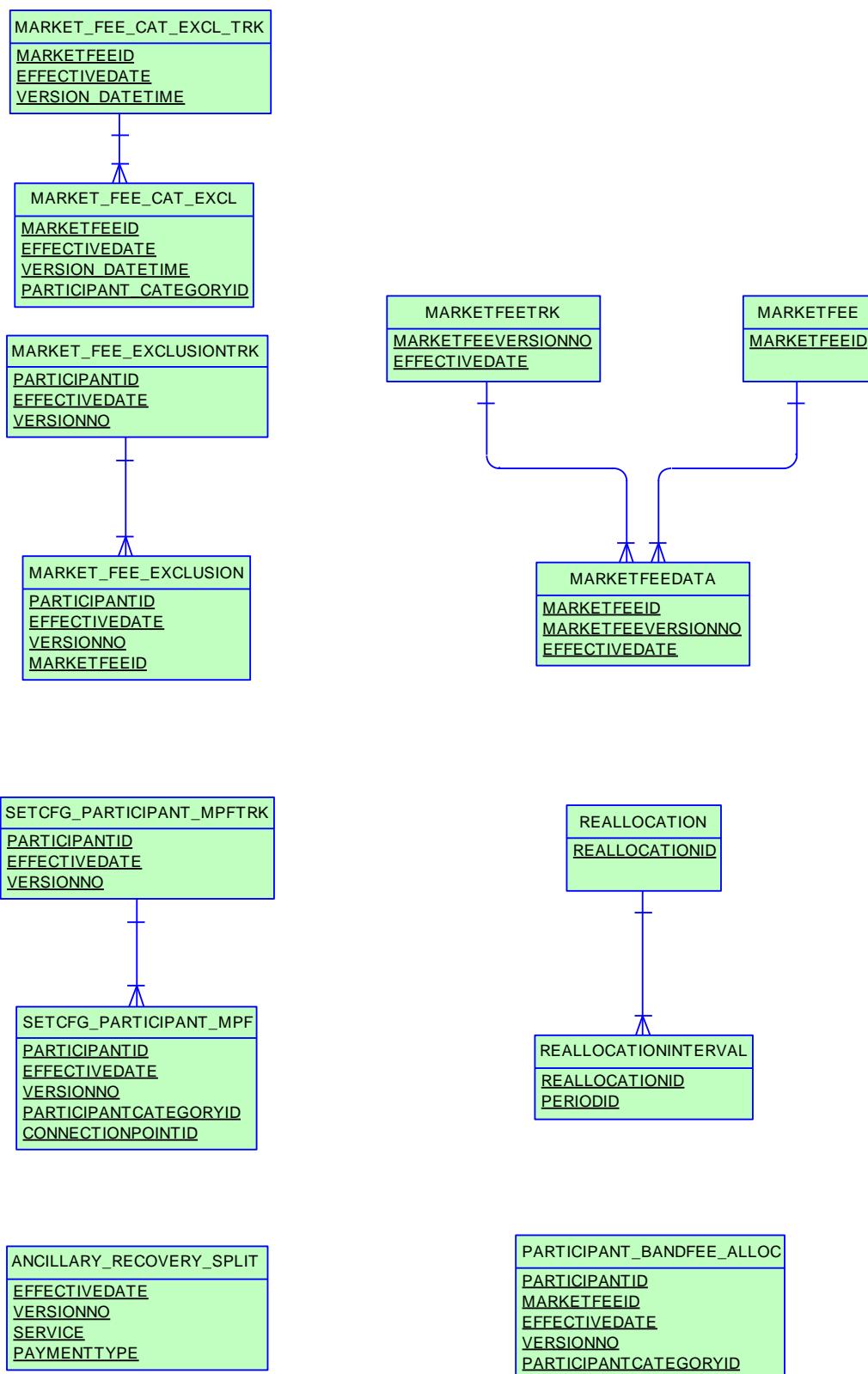
## 28 Package: SETTLEMENT\_CONFIG

Name	SETTLEMENT_CONFIG
Comment	Configuration and input data for the Settlements Process

### 28.1 List of tables

Name	Comment
ANCILLARY_RECOVERY_SP_LIT	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).
MARKET_FEE_CAT_EXCL	Market fee exclusions for participant categories.
MARKET_FEE_CAT_EXCL_TRK	Tracking table for market fee exclusions for participant categories.
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.
MARKET_FEE_EXCLUSIONTRK	MARKET_FEE_EXCLUSIONTRK shows authorisation details of participant market fee exclusion data sets.
MARKETFEE	MARKETFEE sets out fee type and period for each market fee.
MARKETFEEDATA	MARKETFEEDATA sets out actual fee rates, as adjusted from time to time.
MARKETFEETRK	MARKETFEETRK sets out versions of each market fee used and its effective date.
PARTICIPANT_BANDFEE_ALLOC	PARTICIPANT_BANDFEE_ALLOC shows the market fee for each Participant/Participant Category over time.
REALLOCATION	The REALLOCATION table shows the financial transactions agreed between two participants that are settled through the AEMO pool settlements process.
REALLOCATIONINTERVAL	Half-hour data comprising a single reallocation transaction.
SETCFG_PARTICIPANT_MPFT	SETCFG_PARTICIPANT_MPFT 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.
SETCFG_PARTICIPANT_MPFTRK	SETCFG_PARTICIPANT_MPFTRK is the tracking table for Market Participation Factors (MPF) data stored in the SETCFG_PARTICIPANT_MPFT table for each participant.

## 28.2 Diagram: Entities: Settlement Config



## 28.3 Table: ANCILLARY\_RECOVERY\_SPLIT

### 28.3.1 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).

### 28.3.2 Description

ANCILLARY\_RECOVERY\_SPLIT is public data, and is available to all participants.

#### Source

This table is updated infrequently.

### 28.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.3.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PAYMENTTYPE  
 SERVICE  
 VERSIONNO

### 28.3.5 Index Columns

Name  
 LASTCHANGED

### 28.3.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Calendar settlement date record becomes effective.
VERSIONNO	numeric(3,0)	X	Version number of the record for the given date.
SERVICE	varchar(10)	X	Ancillary service name (e.g. AGC, FCASCOMP)
PAYMENTTYPE	varchar(20)	X	A payment type associated with the service (can be ENABLING, AVAILABILITY, USAGE, or COMPENSATION).
CUSTOMER_PORTION	numeric(8,5)		The percentage value of the recovery funded by market customers.
LASTCHANGED	datetime		Last date and time record changed



## 28.4 Table: MARKET\_FEE\_CAT\_EXCL

### 28.4.1 MARKET\_FEE\_CAT\_EXCL

Name	MARKET_FEE_CAT_EXCL
Comment	Market fee exclusions for participant categories.

### 28.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.4.3 Primary Key Columns

Name  
 EFFECTIVEDATE  
 MARKETFEEID  
 PARTICIPANT\_CATEGORYID  
 VERSION\_DATETIME

### 28.4.4 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	varchar(20)	X	The excluded market fee
EFFECTIVEDATE	datetime	X	The date the exclusion is effective from
VERSION_DATETIME	datetime	X	The version information for this record
PARTICIPANT_CATEGORYID	varchar(20)	X	Participant category to be excluded from this market fee

## 28.5 Table: MARKET\_FEE\_CAT\_EXCL\_TRK

### 28.5.1 MARKET\_FEE\_CAT\_EXCL\_TRK

Name	MARKET_FEE_CAT_EXCL_TRK
Comment	Tracking table for market fee exclusions for participant categories.

### 28.5.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.5.3 Primary Key Columns

Name  
 EFFECTIVEDATE  
 MARKETFEEID  
 VERSION\_DATETIME

### 28.5.4 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	varchar(20)	X	The excluded market fee
EFFECTIVEDATE	datetime	X	The date the exclusion is effective from
VERSION_DATETIME	datetime	X	The version information for this record
LASTCHANGED	datetime		Last date and time the record changed

## 28.6 Table: MARKET\_FEE\_EXCLUSION

### 28.6.1 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.

### 28.6.2 Description

MARKET\_FEE\_EXCLUSION data is confidential to the relevant participant.

#### Source

MARKET\_FEE\_EXCLUSION updates only on change of participant configuration.

### 28.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 28.6.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 MARKETFEEID  
 PARTICIPANTID  
 VERSIONNO

### 28.6.5 Index Columns

Name  
 LASTCHANGED

### 28.6.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
EFFECTIVEDATE	datetime	X	Date on which this data becomes effective
VERSIONNO	numeric(3,0)	X	Version of fees for this ID
MARKETFEEID	varchar(10)	X	Identifier for Market Fee
LASTCHANGED	datetime		Last date and time record changed

## 28.7 Table: MARKET\_FEE\_EXCLUSIONTRK

### 28.7.1 MARKET\_FEE\_EXCLUSIONTRK

Name	MARKET_FEE_EXCLUSIONTRK
Comment	MARKET_FEE_EXCLUSIONTRK shows authorisation details of participant market fee exclusion data sets.

### 28.7.2 Description

MARKET\_FEE\_EXCLUSIONTRK is confidential to the participant.

### Source

MARKET\_FEE\_EXCLUSIONTRK updates only on change of participant configuration.

### 28.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 28.7.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PARTICIPANTID  
 VERSIONNO

### 28.7.5 Index Columns

Name  
 LASTCHANGED

### 28.7.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
EFFECTIVEDATE	datetime	X	Date on which this data becomes effective
VERSIONNO	numeric(3,0)	X	Version of fees for this ID
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed

## 28.8 Table: MARKETFEE

### 28.8.1 MARKETFEE

Name	MARKETFEE
Comment	MARKETFEE sets out fee type and period for each market fee.

### 28.8.2 Description

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

#### Source

MARKETFEE updates when fees change.

### 28.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.8.4 Primary Key Columns

Name
MARKETFEEID

### 28.8.5 Index Columns

Name
LASTCHANGED

### 28.8.6 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	varchar(10)	X	Identifier for Market Fee
MARKETFEEPERIOD	varchar(20)		Period type - PERIOD, DAILY, WEEKLY
MARKETFEETYPE	varchar(12)		Type - MW or \$
DESCRIPTION	varchar(64)		Description of market fee
LASTCHANGED	datetime		Last date and time record changed
GL_TCODE	varchar(15)		
GL_FINANCIALCODE	varchar(10)		
FEE_CLASS	varchar(40)		

## 28.9 Table: MARKETFEEDATA

### 28.9.1 MARKETFEEDATA

Name	MARKETFEEDATA
Comment	MARKETFEEDATA sets out actual fee rates, as adjusted from time to time.

### 28.9.2 Description

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

### Source

MARKETFEEDATA updates whenever fee rates change.

### 28.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.9.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 MARKETFEEID  
 MARKETFEEVERSIONNO

### 28.9.5 Index Columns

Name  
 LASTCHANGED

### 28.9.6 Content

Name	Data Type	Mandatory	Comment
MARKETFEEID	varchar(10)	X	Identifier for Market Fee
MARKETFEEVERSIONNO	numeric(3,0)	X	Version of fees for this id
EFFECTIVEDATE	datetime	X	Date on which this data becomes effective
MARKETFEEVALUE	numeric(22,8)		Market fee rate/MWh, a dollar amount
LASTCHANGED	datetime		Last date and time record changed

## 28.10 Table: MARKETFEETRK

### 28.10.1 MARKETFEETRK

Name	MARKETFEETRK
Comment	MARKETFEETRK sets out versions of each market fee used and its effective date.

### 28.10.2 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.

### 28.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.10.4 Primary Key Columns

Name
EFFECTIVEDATE
MARKETFEEVERSIONNO

### 28.10.5 Index Columns

Name
LASTCHANGED

### 28.10.6 Content

Name	Data Type	Mandatory	Comment
MARKETFEEVERSIONNO	numeric(3,0)	X	Version of fees for this ID
EFFECTIVEDATE	datetime	X	Effective Date of Market notice
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEREDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed

## 28.11 Table: PARTICIPANT\_BANDFEE\_ALLOC

### 28.11.1 PARTICIPANT\_BANDFEE\_ALLOC

Name	PARTICIPANT_BANDFEE_ALLOC
Comment	PARTICIPANT_BANDFEE_ALLOC shows the market fee for each Participant/Participant Category over time.

### 28.11.2 Description

#### Source

This view updates only on change of participant configuration.

### 28.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 28.11.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 MARKETFEEID  
 PARTICIPANTCATEGORYID  
 PARTICIPANTID  
 VERSIONNO

### 28.11.5 Index Columns

Name  
 LASTCHANGED

### 28.11.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
MARKETFEEID	varchar(10)	X	Identifier for Market Fee
EFFECTIVEDATE	datetime	X	Date on which this data becomes effective.
VERSIONNO	numeric(3,0)	X	Period identifier
PARTICIPANTCATEGORYID	varchar(10)	X	The participant category that the market fee recovery amount pertains to.
MARKETFEEVALUE	numeric(15,5)		The value of this market fee
LASTCHANGED	datetime		Last date and time record changed

## 28.12 Table: REALLOCATION

### 28.12.1 REALLOCATION

Name	REALLOCATION
Comment	The REALLOCATION table shows the financial transactions agreed between two participants that are settled through the AEMO pool settlements process.

### 28.12.2 Description

#### Note

The column REALLOCATION\_TYPE can be used in conjunction with CREDITPARTICIPANT or DEBITPARTICIPANT to determine who submitted a reallocation.

### 28.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 28.12.4 Primary Key Columns

Name	REALLOCATIONID
------	----------------

### 28.12.5 Index Columns

Name	LASTCHANGED
------	-------------

### 28.12.6 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	varchar(20)	X	Reallocation identifier
CREDITPARTICIPANTID	varchar(10)		The participant to be credited for the reallocation
DEBITPARTICIPANTID	varchar(10)		The participant to be debited for the reallocation
REGIONID	varchar(10)		Region identifier, being the spot price reference node for this reallocation
AGREEMENTTYPE	varchar(10)		\$, (Quantity) Mwh, SWAP, CAP or FLOOR
CREDITREFERENCE	varchar(400)		Optional reference detail for credit participant
DEBITREFERENCE	varchar(400)		Optional reference detail for debit participant
LASTCHANGED	datetime		Last date and time record changed
STARTDATE	datetime		First day of the Reallocation contract
ENDDATE	datetime		Last day of the Reallocation contract
CURRENT_STEPID	varchar(20)		Reallocation state. One of SUBMITTED, AUTHORISED, CANCELLED.

DAYTYPE	varchar(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	varchar(1)		Denotes a Credit or Debit reallocation with a value of "C" or "D" respectively

## 28.13 Table: REALLOCATIONINTERVAL

### 28.13.1 REALLOCATIONINTERVAL

Name	REALLOCATIONINTERVAL
Comment	Half-hour data comprising a single reallocation transaction.

### 28.13.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 28.13.3 Primary Key Columns

Name  
 PERIODID  
 REALLOCATIONID

### 28.13.4 Index Columns

Name  
 LASTCHANGED

### 28.13.5 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	varchar(20)	X	Reallocation identifier
PERIODID	numeric(3)	X	Period identifier (1..48)
VALUE	numeric(15,5)		Reallocation value in the units of the agreement type
LASTCHANGED	datetime		Last date and time record changed
NRP	numeric(15,5)		Nominated Reallocation Price, only used in agreement types of SWAP, CAP and FLOOR, being the contract strike price in \$/MWh

## 28.14 Table: SETCFG\_PARTICIPANT\_MPF

### 28.14.1 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.

### 28.14.2 Description

SETCFG\_PARTICIPANT\_MPF data is available to all participants.

#### Volume

Approximately 20,000 records per year

### 28.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.14.4 Primary Key Columns

Name  
 CONNECTIONPOINTID  
 EFFECTIVEDATE  
 PARTICIPANTCATEGORYID  
 PARTICIPANTID  
 VERSIONNO

### 28.14.5 Index Columns

Name  
 LASTCHANGED

### 28.14.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Participant identifier
EFFECTIVEDATE	datetime	X	Effective date of the MPF data
VERSIONNO	numeric(3,0)	X	Version number of the MPF data
PARTICIPANTCATEGORYID	varchar(10)	X	Participant Category
CONNECTIONPOINTID	varchar(10)	X	Connection point identifier
MPF	numeric(15,5)		Market Participation Factor
LASTCHANGED	datetime		Last date and time record changed

## 28.15 Table: SETCFG\_PARTICIPANT\_MPFTRK

### 28.15.1 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.

### 28.15.2 Description

SETCFG\_PARTICIPANT\_MPFTRK data is public, so is available to all participants.

#### Volume

Approximately 2,000 records per year

### 28.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 28.15.4 Primary Key Columns

Name  
 EFFECTIVEDATE  
 PARTICIPANTID  
 VERSIONNO

### 28.15.5 Index Columns

Name  
 LASTCHANGED

### 28.15.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Participant identifier
EFFECTIVEDATE	datetime	X	Effective date of the MPF data
VERSIONNO	numeric(3,0)	X	Version number of the MPF data
AUTHORISEDBY	varchar(15)		Authorising user
AUTHORISEDDATE	datetime		Authorised date and time
LASTCHANGED	datetime		Last date and time record changed

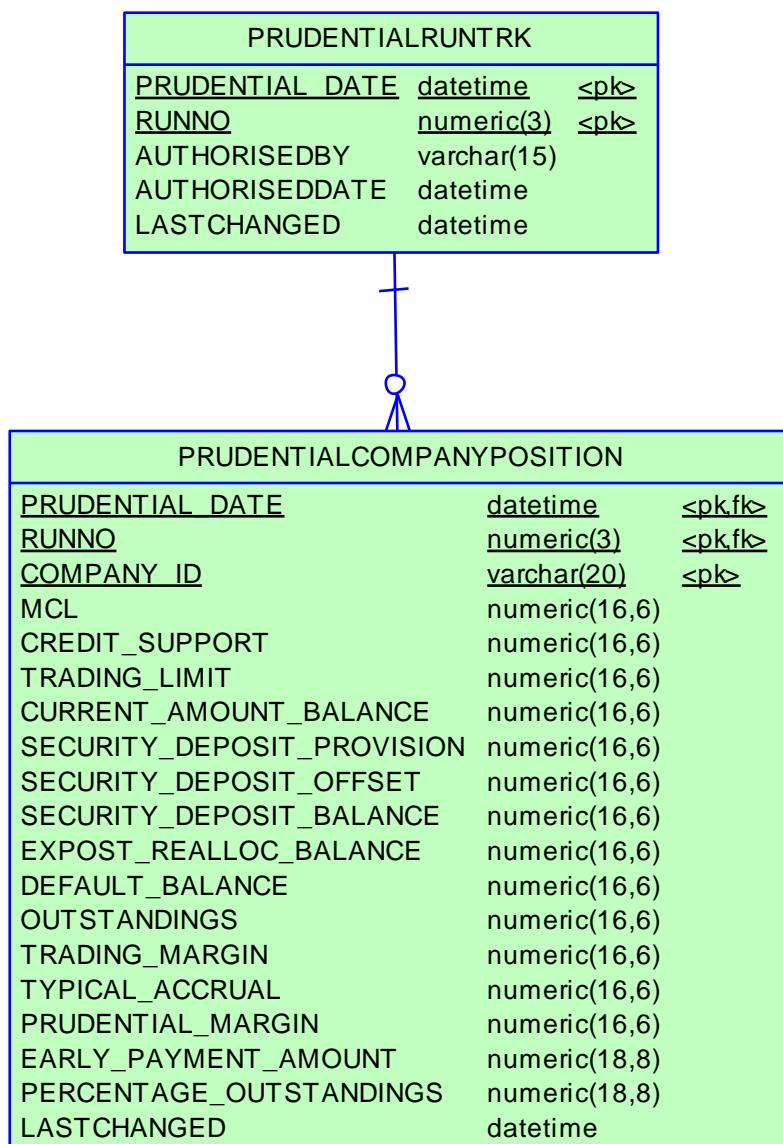
## 29 Package: PRUDENTIALS

Name	PRUDENTIALS
Comment	Prudential Management

### 29.1 List of tables

Name	Comment
PRUDENTIALCOMPANYPOSITION	The prudential position of each company as at the datetime of a specific prudential run
PRUDENTIALRUNTRK	Records the prudential run accepted by Settlements staff for each prudential date

### 29.2 Diagram: Entities:Prudentials



## 29.3 Table: PRUDENTIALCOMPANYPOSITION

### 29.3.1 PRUDENTIALCOMPANYPOSITION

Name	PRUDENTIALCOMPANYPOSITION
Comment	The prudential position of each company as at the datetime of a specific prudential run

### 29.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 29.3.3 Primary Key Columns

Name
COMPANY_ID
PRUDENTIAL_DATE
RUNNO

### 29.3.4 Index Columns

Name
LASTCHANGED

### 29.3.5 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	datetime	X	The prudential date
RUNNO	numeric(3)	X	The run number for the prudential date
COMPANY_ID	varchar(20)	X	The company identifier
MCL	numeric(16,6)		The Maximum Credit Limit of the company at the time of the prudential run
CREDIT_SUPPORT	numeric(16,6)		The Credit Support of the company at the time of the prudential run
TRADING_LIMIT	numeric(16,6)		The Trading Limit of the company at the time of the prudential run
CURRENT_AMOUNT_BALANCE	numeric(16,6)		The balance of the company for all unpaid billing weeks at the time of the prudential run
SECURITY_DEPOSIT_PROVISION	numeric(16,6)		The sum of all active security deposit provision amounts at the time of the prudential run
SECURITY_DEPOSIT_OFFSET	numeric(16,6)		The sum of all active security deposit application amounts at the time of the prudential run
SECURITY_DEPOSIT_BALANCE	numeric(16,6)		The balance of all active security deposits at the time of the prudential run
EXPOST_REALLOC_BALANCE	numeric(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	numeric(16,6)		The balance of all defaults for the company at the time of the prudential run
OUTSTANDINGS	numeric(16,6)		The total outstanding for the company at

			the time of the prudential run
TRADING_MARGIN	numeric(16,6)		The trading margin for the company at the time of the prudential run
TYPICAL_ACCRUAL	numeric(16,6)		The typical accrual for the company at the time of the prudential run
PRUDENTIAL_MARGIN	numeric(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	numeric(18,8)		The early payment amount deducted from Outstandings in the prudential run
PERCENTAGE_OUTSTANDINGS	numeric(18,8)		The percentage of outstandings calculated against the trading margin and prudential margin
LASTCHANGED	datetime		The datetime that the record was last changed

## 29.4 Table: PRUDENTIALRUNTRK

### 29.4.1 PRUDENTIALRUNTRK

Name	PRUDENTIALRUNTRK
Comment	Records the prudential run accepted by Settlements staff for each prudential date

### 29.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 29.4.3 Primary Key Columns

Name
PRUDENTIAL_DATE
RUNNO

### 29.4.4 Index Columns

Name
LASTCHANGED

### 29.4.5 Content

Name	Data Type	Mandatory	Comment
PRUDENTIAL_DATE	datetime	X	The prudential date
RUNNO	numeric(3)	X	The run number for the prudential date
AUTHORISEDBY	varchar(15)		The user that authorised the prudential run
AUTHORISEDDATE	datetime		The datetime that the prudential run was authorised
LASTCHANGED	datetime		The datetime that the record was last changed

## 30 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.

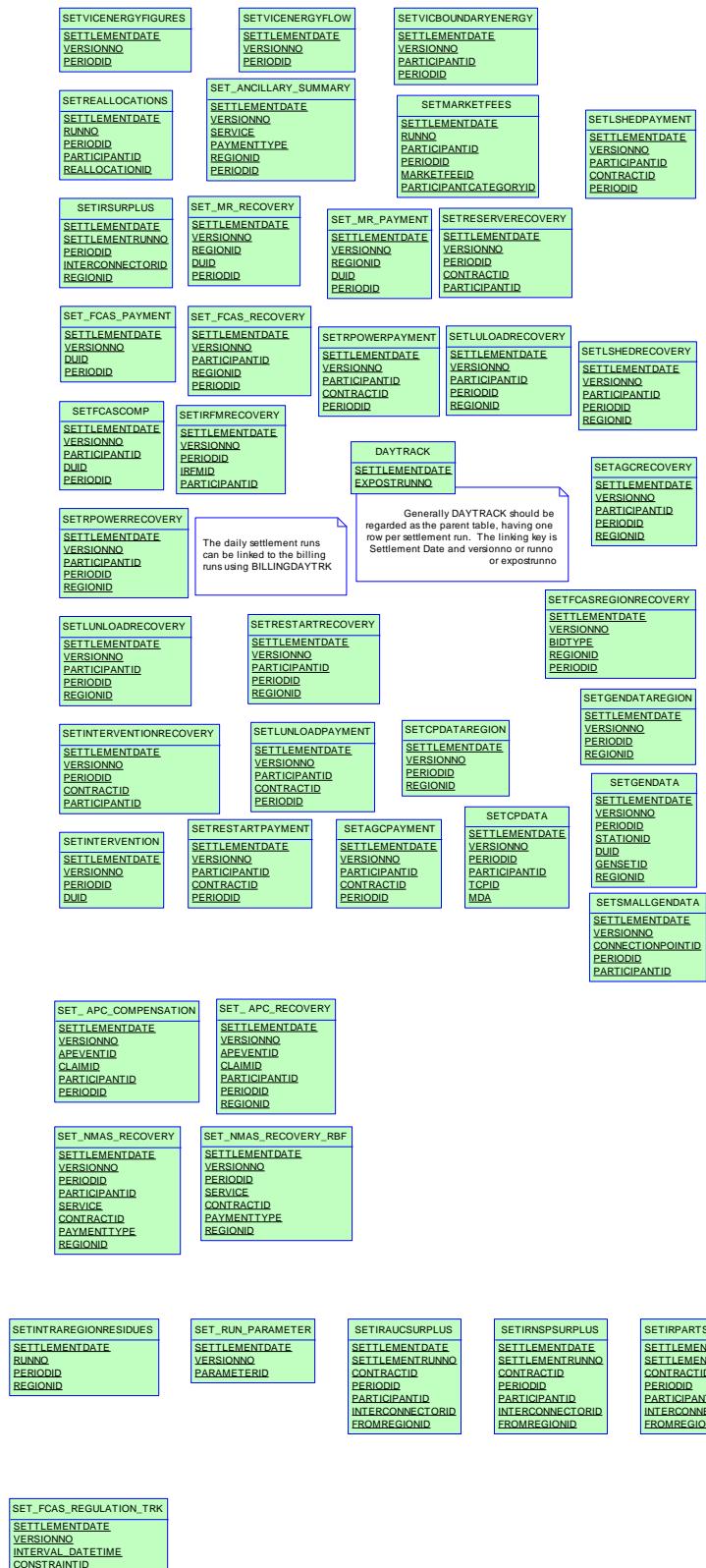
### 30.1 List of tables

Name	Comment
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.
SET_AP_CCOMPENSATION	APC Compensation payment amounts in the Settlements timeframe
SET_AP_RECOVERY	APC Compensation recovery amounts in the Settlements timeframe
SET_ANCILLARY_SUMMARY	SET_ANCILLARY_SUMMARY summarises payments for all Ancillary Services to participants on the basis of regions and trading intervals.
SET_FCAS_PAYMENT	SET_FCAS_PAYMENT sets out the enabling payment details for frequency controlled Ancillary Services.
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).
SET_FCAS_REGULATION_T_RK	SET_FCAS_REGULATION_TRK shows FCAS Regulation Service Constraint tracking for Regional FCAS Regulation recovery
SET_MR_PAYMENT	SET_MR_PAYMENT shows trading interval payments on a dispatchable unit basis for accepted MR capacity.
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.
SET_NM_AS_RECOVERY	SET_NM_AS_RECOVERY sets out the NSCAS recovery data for payments other than testing.
SET_NM_AS_RECOVERY_RB_F	SET_NM_AS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis.
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).
SETAGCPAYMENT	SETAGCPAYMENT sets out specific payment details for Automatic Generation Control (AGC) services by period.
SETAGCRECOVERY	SETAGCRECOVERY shows reimbursements for Automatic Generation Control (AGC) Ancillary Services to be recovered from participants.
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.
SETCPDATAREGION	SETCPDATAREGION sets out summary meter settlement data for each region.
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.
SETFCASREGIONRECOVER Y	SETFCASREGIONRECOVERY shows FCAS Regional Recovery Data against each Trading Interval.
SETGENDATA	SETGENDATA shows meter settlement data for each generation meter point. A regional summary is also provided.
SETGENDATAREGION	SETGENDATAREGION sets out summary settlement data for generation within the specified region.
SETINTERVENTION	SETINTERVENTION shows intervention settlement payment details by unit.
SETINTERVENTIONRECOVE RY	SETINTERVENTIONRECOVERY shows intervention recovery details by participant.
SETINTRAREGIONRESIDUE S	
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.
SETIRFMRECOVERY	SETIRFMRECOVERY sets out reimbursements for Industrial Relations Force Majeure to be recovered from participants.
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.
SETIRPARTSURPLUS	This view supports the Settlements Residue Auction, holding the participant allocations of IRSurplus.
SETIRSURPLUS	SETIRSURPLUS records the interregional residue calculation for each interconnector and each side of the interconnector.
SETLSHEDPAYMENT	SETLSHEDPAYMENT shows specific payment details for load shed services by period.
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)
SETLULOADRECOVERY	SETLULOADRECOVERY shows reimbursements for rapid-unit-load Ancillary Services to be recovered from participants.
SETLUNLOADPAYMENT	SETLUNLOADPAYMENT shows specific payment details for rapid unit unload service.
SETLUNLOADRECOVERY	SETLUNLOADRECOVERY shows reimbursements for rapid unit unloading Ancillary Services to be recovered from participants.
SETMARKETFEES	SETMARKETFEES shows payments for market fees for each settlement date.
SETREALLOCATIONS	SETREALLOCATIONS shows the trading interval value of reallocations processed, for those participants whose reallocation submissions have been accepted by AEMO.
SETRESERVERECOVERY	SETRESERVERECOVERY shows reserve recovery details.
SETRESTARTPAYMENT	SETRESTARTPAYMENT shows specific payment details for System Restart services by period.
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)
SETRPOWERPAYMENT	SETRPOWERPAYMENT shows specific payment details for Reactive power services by period.
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)
SETSMALLGENDATA	Publishes metering data and associated settlement values for with a registered Small Generator Aggregator participants connection points.
SETVICBOUNDARYENERGY	SETVICBOUNDARYENERGY is as requested by Participants for

	the settlement of Victorian Vesting contracts.
SETVICENERGYFIGURES	SETVICENERGYFIGURES is used in settlement of Victorian Vesting contracts.
SETVICENERGYFLOW	SETVICENERGYFLOW is used in settlement of Victorian Vesting contracts.

## 30.2 Diagram: Entities: Settlement Data





### 30.3 Table: DAYTRACK

#### 30.3.1 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.

#### 30.3.2 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.

#### 30.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 30.3.4 Primary Key Columns

Name
EXPOSTRUNNO
SETTLEMENTDATE

#### 30.3.5 Index Columns

Name
LASTCHANGED

#### 30.3.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
REGIONID	varchar(10)		Not Used
EXANTERUNSTATUS	varchar(15)		Not Used
EXANTERUNNO	numeric(3,0)		Not Used
EXPOSTRUNSTATUS	varchar(15)		Not Used
EXPOSTRUNNO	numeric(3,0)	X	Settlement Run No
LASTCHANGED	datetime		Last date and time record changed



## 30.4 Table: SET\_AP\_CCOMPENSATION

### 30.4.1 SET\_AP\_CCOMPENSATION

Name	SET_AP_CCOMPENSATION
Comment	APC Compensation payment amounts in the Settlements timeframe

### 30.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.4.3 Primary Key Columns

Name  
 APEVENTID  
 CLAIMID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.4.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement run date
VERSIONNO	numeric(3)	X	Settlement run number
APEVENTID	numeric(6)	X	AP Event Id
CLAIMID	numeric(6)	X	AP Event Claim Id
PARTICIPANTID	varchar(20)	X	Participant identifier
PERIODID	numeric(3)	X	Trading interval identifier
COMPENSATION_AMOUNT	numeric(18,8)		Compensation amount for the event claim in this interval

## 30.5 Table: SET\_APCT\_RECOVERY

### 30.5.1 SET\_APCT\_RECOVERY

Name	SET_APCT_RECOVERY
Comment	APC Compensation recovery amounts in the Settlements timeframe

### 30.5.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.5.3 Primary Key Columns

Name  
 APEVENTID  
 CLAIMID  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.5.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement run date
VERSIONNO	numeric(3)	X	Settlement run number
APEVENTID	numeric(6)	X	AP Event Id
CLAIMID	numeric(6)	X	AP Event Claim Id
PARTICIPANTID	varchar(20)	X	Participant identifier
PERIODID	numeric(3)	X	Trading interval identifier
REGIONID	varchar(20)	X	Region id for the recovery amount
RECOVERY_AMOUNT	numeric(18,8)		Recovery amount in the region attributable to the participant for the event claim in this interval
REGION_RECOVERY_AMOUNT	numeric(18,8)		Total Recovery amount in the region for the event claim in this interval

## 30.6 Table: SET\_ANCILLARY\_SUMMARY

### 30.6.1 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.

### 30.6.2 Description

SET\_ANCILLARY\_SUMMARY data is available to all participants.

#### Volume

Approximately 30, 000 per week.

### 30.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.6.4 Primary Key Columns

Name  
 PAYMENTTYPE  
 PERIODID  
 REGIONID  
 SERVICE  
 SETTLEMENTDATE  
 VERSIONNO

### 30.6.5 Index Columns

Name  
 LASTCHANGED

### 30.6.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No
SERVICE	varchar(20)	X	Ancillary service identifier (e.g. REACTIVE_POWER)
PAYMENTTYPE	varchar(20)	X	Payment type identifier (e.g. COMPENSATION)
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Trading interval
PAYMENTAMOUNT	numeric(18,8)		The NEM ancillary summary regional payment amount (\$)
LASTCHANGED	datetime		Last date and time record changed

## 30.7 Table: SET\_FCAS\_PAYMENT

### 30.7.1 SET\_FCAS\_PAYMENT

Name	SET_FCAS_PAYMENT
Comment	SET_FCAS_PAYMENT sets out the enabling payment details for frequency controlled Ancillary Services.

### 30.7.2 Description

SET\_FCAS\_PAYMENT data is confidential to the relevant participant.

#### Volume

Approximately 150,000 per week.

### 30.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.7.4 Primary Key Columns

Name  
 DUID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.7.5 Index Columns

Name  
 LASTCHANGED

### 30.7.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No
PARTICIPANTID	varchar(10)		Participant identifier
DUID	varchar(10)	X	Dispatchable unit identifier
REGIONID	varchar(10)		Region Identifier
PERIODID	numeric(3,0)	X	Trading interval
LOWER6SEC_PAYMENT	numeric(18,8)		Lower 6 Second Payment
RAISE6SEC_PAYMENT	numeric(18,8)		Raise 6 Second Payment
LOWER60SEC_PAYMENT	numeric(18,8)		Lower 60 Second Payment
RAISE60SEC_PAYMENT	numeric(18,8)		Raise 60 Second Payment
LOWER5MIN_PAYMENT	numeric(18,8)		Lower 5 Minute Payment
RAISE5MIN_PAYMENT	numeric(18,8)		Raise 5 Minute Payment

LOWERREG_PAYMENT	numeric(18,8)		Lower 5 Minute Regulation Payment
RAISEREG_PAYMENT	numeric(18,8)		Raise 5 Minute Regulation Payment
LASTCHANGED	datetime		Last date and time record changed

## 30.8 Table: SET\_FCAS\_RECOVERY

### 30.8.1 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).

### 30.8.2 Description

SET\_FCAS\_RECOVERY data is confidential to the relevant participant.

#### Volume

Approximately 1, 500, 000 per week.

### 30.8.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.8.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.8.5 Index Columns

Name  
 LASTCHANGED

### 30.8.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	varchar(3)	X	Settlement Run No
PARTICIPANTID	varchar(10)	X	Participant identifier
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Trading interval
LOWER6SEC_RECOVERY	numeric(18,8)		Recovery amount for the Lower 6 Second service attributable to customer connection points
RAISE6SEC_RECOVERY	numeric(18,8)		Recovery amount for the Raise 6 Second service attributable to customer connection points
LOWER60SEC_RECOV	numeric(18,8)		Recovery amount for the Lower 60

ERY			Second service attributable to customer connection points
RAISE60SEC_RECOVE RY	numeric(18,8)		Recovery amount for the Raise 60 Second service attributable to customer connection points
LOWER5MIN_RECOVE RY	numeric(18,8)		Recovery amount for the Lower 5 Minute service attributable to customer connection points
RAISE5MIN_RECOVE RY	numeric(18,8)		Recovery amount for the Raise 5 Minute service attributable to customer connection points
LOWERREG_RECOVE RY	numeric(18,8)		Recovery amount for the Lower Regulation service attributable to customer connection points
RAISEREG_RECCOVERY	numeric(18,8)		Recovery amount for the Raise Regulation Second service attributable to customer connection points
LASTCHANGED	datetime		Last date and time record changed
LOWER6SEC_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Lower 6 Second service attributable to generator connection points
RAISE6SEC_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Raise 6 Second service attributable to generator connection points
LOWER60SEC_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Lower 60 Second service attributable to generator connection points
RAISE60SEC_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Raise 60 Second service attributable to generator connection points
LOWER5MIN_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Lower 5 Minute service attributable to generator connection points
RAISE5MIN_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Raise 5 Minute service attributable to generator connection points
LOWERREG_RECOVE RY_GEN	numeric(18,8)		Recovery amount for the Lower Regulation service attributable to generator connection points
RAISEREG_RECCOVERY _GEN	numeric(18,8)		Recovery amount for the Raise Regulation Second service attributable to generator connection points

## 30.9 Table: SET\_FCAS\_REGULATION\_TRK

### 30.9.1 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

### 30.9.2 Description

SET\_FCAS\_REGULATION\_TRK contains public data and is available to all participants.

#### Volume

Approximately 350,000 per week.

### 30.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.9.4 Primary Key Columns

Name  
 CONSTRAINTID  
 INTERVAL\_DATETIME  
 SETTLEMENTDATE  
 VERSIONNO

### 30.9.5 Index Columns

Name  
 LASTCHANGED

### 30.9.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No
INTERVAL_DATETIME	datetime	X	Dispatch Interval Date Time
CONSTRAINTID	varchar(20)	X	Generic Constraint ID
CMPF	numeric(18,8)		Constraint Market Participant Factor
CRMPF	numeric(18,8)		Constraint Residual Market Participant Factor
RECOVERY_FACTOR_CMPF	numeric(18,8)		Recovery factor for CMPF based recovery
RECOVERY_FACTOR_CRMPF	numeric(18,8)		Recovery factor for CRMPF based recovery
LASTCHANGED	datetime		Last date and time record changed

## 30.10 Table: SET\_MR\_PAYMENT

### 30.10.1 SET\_MR\_PAYMENT

Name	SET_MR_PAYMENT
Comment	SET_MR_PAYMENT shows trading interval payments on a dispatchable unit basis for accepted MR capacity.

### 30.10.2 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

### 30.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.10.4 Primary Key Columns

Name  
 DUID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.10.5 Index Columns

Name  
 LASTCHANGED

### 30.10.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date (Calendar)
VERSIONNO	numeric(3,0)	X	Settlement Run Number for this date
REGIONID	varchar(10)	X	Unique Region Identifier
PARTICIPANTID	varchar(10)		Unique Participant identifier
DUID	varchar(10)	X	Unique identifier for DUID / MNSP LinkID
PERIODID	numeric(3,0)	X	Calendar day Trading Interval number
MR_CAPACITY	numeric(16,6)		Accepted MR Capacity
UNCAPPED_PAYMENT	numeric(16,6)		Uncapped Trading Interval Payment
CAPPED_PAYMENT	numeric(16,6)		Capped Trading Interval Payment
LASTCHANGED	datetime		Date/Time record inserted/modified

## 30.11 Table: SET\_MR\_RECOVERY

### 30.11.1 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.

### 30.11.2 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

### 30.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.11.4 Primary Key Columns

Name  
 DUID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.11.5 Index Columns

Name  
 LASTCHANGED

### 30.11.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date (Calendar)
VERSIONNO	numeric(3,0)	X	Settlement Run Number for this date
REGIONID	varchar(10)	X	Unique Region Identifier
PARTICIPANTID	varchar(10)		Unique Participant identifier
DUID	varchar(10)	X	Unique identifier for DUID / MNSP LinkID
PERIODID	numeric(3,0)	X	Calendar day Trading Interval number
ARODEF	numeric(16,6)		Accepted Restriction Offer Dispatched Energy Factor
NTA	numeric(16,6)		The amount payable to AEMO for that accepted restriction offer and trading

			interval
LASTCHANGED	datetime		Date/Time record inserted/modified

## 30.12 Table: SET\_NMAS\_RECOVERY

### 30.12.1 SET\_NMAS\_RECOVERY

Name SET\_NMAS\_RECOVERY  
 Comment SET\_NMAS\_RECOVERY sets out the NSCAS recovery data for payments other than testing.

### 30.12.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.12.3 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PAYMENTTYPE  
 PERIODID  
 REGIONID  
 SERVICE  
 SETTLEMENTDATE  
 VERSIONNO

### 30.12.4 Index Columns

Name  
 LASTCHANGED

### 30.12.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement run number
PERIODID	numeric(3,0)	X	Half Hourly Interval
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
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	numeric(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	numeric(18,8)		The total Payment Amount to recover from all benefitting regions

PARTICIPANT_ENERGY	numeric(18,8)		The Participant energy in MWh for the period
REGION_ENERGY	numeric(18,8)		The RegionId energy in MWh for the period
RECOVERY_AMOUNT	numeric(18,8)		The Total recovery amount for the period for the PARTICIPANTID and REGIONID
LASTCHANGED	datetime		The Last Updated date and time
PARTICIPANT_GENERATION	numeric(18,8)		Participant Generator Energy in the benefitting region
REGION_GENERATION	numeric(18,8)		The generator energy in the benefitting region
RECOVERY_AMOUNT_CUSTOMER	numeric(18,8)		The recovery amount allocated to customers
RECOVERY_AMOUNT_GENERATOR	numeric(18,8)		The recovery amount allocated to generators

### 30.13 Table: SET\_NMAS\_RECOVERY\_RBF

#### 30.13.1 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.

#### 30.13.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 30.13.3 Primary Key Columns

Name  
 CONTRACTID  
 PAYMENTTYPE  
 PERIODID  
 REGIONID  
 SERVICE  
 SETTLEMENTDATE  
 VERSIONNO

#### 30.13.4 Index Columns

Name  
 LASTCHANGED

#### 30.13.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement run number
PERIODID	numeric(3,0)	X	Half Hourly Interval
SERVICE	varchar(10)	X	The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED
CONTRACTID	varchar(10)	X	The NMAS 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	numeric(18,8)		The Benefitting Factor for the RegionId
PAYOUT_AMOUNT	numeric(18,8)		The total Payment Amount to recover from all benefitting regions
RECOVERY_AMOUNT	numeric(18,8)		The Total recovery amount for the period for the REGIONID
LASTCHANGED	datetime		The Last Updated date and time



## 30.14 Table: SET\_RUN\_PARAMETER

### 30.14.1 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).

### 30.14.2 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

### 30.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.14.4 Primary Key Columns

Name  
 PARAMETERID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.14.5 Index Columns

Name  
 LASTCHANGED

### 30.14.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date (Calendar)
VERSIONNO	numeric(3)	X	Settlement Run Number for this date
PARAMETERID	varchar(20)	X	Parameter Identifier
NUMVALUE	numeric(18,8)		Settlement Run Amount for the Constant Identifier
LASTCHANGED	datetime		Last date the record changed

## 30.15 Table: SETAGCPAYMENT

### 30.15.1 SETAGCPAYMENT

Name	SETAGCPAYMENT
Comment	SETAGCPAYMENT sets out specific payment details for Automatic Generation Control (AGC) services by period.

### 30.15.2 Description

SETAGCPAYMENT data is confidential to the relevant participant

#### Source

SETAGCPAYMENT updates with each settlement run.

### 30.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.15.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.15.5 Index Columns

Name  
 LASTCHANGED

### 30.15.6 Index Columns

Name  
 PARTICIPANTID

### 30.15.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Unique participant identifier
CONTRACTID	varchar(10)	X	Contract Identifier
PERIODID	numeric(3,0)	X	Settlement Period Identifier
DUID	varchar(10)		Dispatchable Unit ID
REGIONID	varchar(10)		Region Identifier
TLF	numeric(7,5)		Transmission Loss Factor of Unit
EBP	numeric(15,5)		Eligible Bid Price
RRP	numeric(15,5)		Regional Reference Price

CLEARDEMW	numeric(15,5)		Cleared MW of Unit in Enabled Dispatch period
INITIALMW	numeric(15,5)		Initial MW of Unit in Enabled Dispatch period
ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
CONTRACTVERSIONNO	numeric(3,0)		AS contract version no
OFFERDATE	datetime		Re-offer offer date
OFFERVERSIONNO	numeric(3,0)		Re-Offer Version No.
LASTCHANGED	datetime		Last date and time record changed

## 30.16 Table: SETAGCRECOVERY

### 30.16.1 SETAGCRECOVERY

Name	SETAGCRECOVERY
Comment	SETAGCRECOVERY shows reimbursements for Automatic Generation Control (AGC) Ancillary Services to be recovered from participants.

### 30.16.2 Description

SETAGCRECOVERY data is confidential to the relevant participant

#### Source

SETAGCRECOVERY updates with each settlement run.

### 30.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.16.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.16.5 Index Columns

Name  
 LASTCHANGED

### 30.16.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier
ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
PARTICIPANTDEMAND	numeric(15,5)		Participant Demand in Region
REGIONDEMAND	numeric(15,5)		Total Regional Demand
ENABLINGRECOVERY	numeric(15,5)		Enabling Recovery
LASTCHANGED	datetime		Last date and time record changed
ENABLINGRECOVERY_GEN	numeric(15,5)		Enabling Recovery for Generator
PARTICIPANTDEMAND_GEN	numeric(15,5)		Participant Demand in Region for Generator

REGIONDEMAND_GEN	numeric(15,5)	Total Regional Demand for Generator
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## 30.17 Table: SETCPDATA

### 30.17.1 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.

### 30.17.2 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.

### 30.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.17.4 Primary Key Columns

Name  
 MDA  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 TCPID  
 VERSIONNO

### 30.17.5 Index Columns

Name  
 LASTCHANGED

### 30.17.6 Index Columns

Name  
 PARTICIPANTID

### 30.17.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(10,0)	X	Settlement run no
PERIODID	numeric(10,0)	X	Settlement Period identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
TCPID	varchar(10)	X	Connection point identifier

REGIONID	varchar(10)		Region Identifier
IGENERGY	numeric(16,6)		Import Gross energy into the pool - MWh
XGENERGY	numeric(16,6)		Export Gross energy from the pool - MWh
INENERGY	numeric(16,6)		Import Nett energy into the pool - MWh
XNENERGY	numeric(16,6)		Export Nett energy from the pool - MWh
IPOWER	numeric(16,6)		Import reactive power
XPOWER	numeric(16,6)		Export reactive power
RRP	numeric(20,5)		Regional Reference Price
EEP	numeric(16,6)		Excess Energy Price
TLF	numeric(7,5)		Transmission Loss Factor
CPRRP	numeric(16,6)		Connection Point Price = RRP * TLF
CPEEP	numeric(16,6)		Connection Point Excess Energy Price = EEP * TLF
TA	numeric(16,6)		Export - Import of Net energy (MWh)
EP	numeric(16,6)		settlement amount in \$ for trading period
APC	numeric(16,6)		Not used
RESC	numeric(16,6)		Not used
RESP	numeric(16,6)		Not used
METERRUNNO	numeric(10,0)		Meter Run Number = version number of the meter file
LASTCHANGED	datetime		Last date and time record changed
HOSTDISTRIBUTOR	varchar(10)		Not used
MDA	varchar(10)	X	Metering Data Agent

## 30.18 Table: SETCPDATAREGION

### 30.18.1 SETCPDATAREGION

Name	SETCPDATAREGION
Comment	SETCPDATAREGION sets out summary meter settlement data for each region.

### 30.18.2 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.

### 30.18.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.18.4 Primary Key Columns

Name  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.18.5 Index Columns

Name  
 LASTCHANGED

### 30.18.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(22,10)	X	Settlement run no
PERIODID	numeric(22,10)	X	Settlement Period identifier
REGIONID	varchar(10)	X	Region Identifier
SUMIGENERGY	numeric(27,5)		Import Gross energy into the pool - MWh
SUMXGENERGY	numeric(27,5)		Export Gross energy from the pool - MWh
SUMINENERGY	numeric(27,5)		Import Nett energy into the pool - MWh
SUMXNENERGY	numeric(27,5)		Export Nett energy from the pool - MWh
SUMIPOWER	numeric(22,0)		Not used
SUMXPOWER	numeric(22,0)		Not used
LASTCHANGED	datetime		current system date, to enable automatic replication
SUMEP	numeric(15,5)		Sum of energy price across the region

## 30.19 Table: SETFCASCOMP

### 30.19.1 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.

### 30.19.2 Description

SETFCASCOMP data is confidential to the relevant participant

#### Source

SETFCASCOMP updates with each Settlement run, if required.

### 30.19.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.19.4 Primary Key Columns

Name  
 DUID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.19.5 Index Columns

Name  
 LASTCHANGED

### 30.19.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
DUID	varchar(10)	X	Dispatchable Unit ID
REGIONID	varchar(10)		Region Identifier
PERIODID	numeric(3,0)	X	Period Identifier
CCPRICE	numeric(15,5)		Compensation Cap
CLEAREDMW	numeric(15,5)		Cleared MW of Unit in First Dispatch period in Trading Interval
UNCONSTRAINEDMW	numeric(15,5)		Initial MW of Unit in First Dispatch period in Trading Interval
EBP	numeric(15,5)		Eligible Bid Price
TLF	numeric(7,5)		Transmission Loss Factor of Unit

RRP	numeric(15,5)		Regional Reference Price
EXCESSGEN	numeric(15,5)		Excess Generation Payment in trading interval
FCASCOMP	numeric(15,5)		Frequency Control AS Compensation payment to Generator
LASTCHANGED	datetime		

## 30.20 Table: SETFCASREGIONRECOVERY

### 30.20.1 SETFCASREGIONRECOVERY

Name	SETFCASREGIONRECOVERY
Comment	SETFCASREGIONRECOVERY shows FCAS Regional Recovery Data against each Trading Interval.

### 30.20.2 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

### 30.20.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.20.4 Primary Key Columns

Name  
 BIDTYPE  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.20.5 Index Columns

Name  
 LASTCHANGED

### 30.20.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date of trading interval
VERSIONNO	numeric(3,0)	X	Settlement run no
BIDTYPE	varchar(10)	X	FCAS Service Type
REGIONID	varchar(10)	X	RegionID
PERIODID	numeric(3,0)	X	Trading interval periodid (01 to 48)
GENERATORREGIONENERGY	numeric(16,6)		Generator Regional Energy Amount
CUSTOMERREGIONENERGY	numeric(16,6)		Customer Region Energy Amount
REGIONRECOVERY	numeric(18,8)		The NEM Regional Recovery Amount for FCAS

LASTCHANGED	datetime	Last Date record changed
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## 30.21 Table: SETGENDATA

### 30.21.1 SETGENDATA

Name	SETGENDATA
Comment	SETGENDATA shows meter settlement data for each generation meter point. A regional summary is also provided.

### 30.21.2 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.

### 30.21.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.21.4 Primary Key Columns

Name  
 DUID  
 GENSETID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 STATIONID  
 VERSIONNO

### 30.21.5 Index Columns

Name  
 LASTCHANGED

### 30.21.6 Index Columns

Name  
 PARTICIPANTID

### 30.21.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(10,0)	X	Settlement run no
PERIODID	numeric(10,0)	X	Settlement Period identifier
PARTICIPANTID	varchar(10)		Unique participant identifier

STATIONID	varchar(10)	X	Station Identifier
DUID	varchar(10)	X	Dispatchable Unit identifier
GENSETID	varchar(10)	X	Physical unit identifier
REGIONID	varchar(10)	X	Region Identifier
ENERGY	numeric(16,6)		Generated energy
AENERGY	numeric(16,6)		Purchased Energy
GPOWER	numeric(16,6)		Not used
APOWER	numeric(16,6)		Not used
RRP	numeric(20,5)		Regional Reference Price
EEP	numeric(16,6)		Excess Energy Price
TLF	numeric(7,5)		Transmission Loss Factor
CPRRP	numeric(16,6)		Connection Point Price = RRP * TLF
CPEEP	numeric(16,6)		Connection Point Excess Energy Price = EEP * TLF
NETENERGY	numeric(16,6)		Net energy (MWh)
ENERGYCOST	numeric(16,6)		Cost of net energy \$
EXCESSENERGYCOST	numeric(16,6)		Cost of excess energy \$
APC	numeric(16,6)		Administered Price Compensation
RESC	numeric(16,6)		Not used
RESP	numeric(16,6)		Not used
LASTCHANGED	datetime		Last date and time record changed
EXPENERGY	numeric(15,6)		Export Energy (Generator Purchases) (MWh)
EXPENERGYCOST	numeric(15,6)		Export Energy Cost (\$)
METERRUNNO	numeric(6,0)		Identifier of the meter run used in this settlement calculation
MDA	varchar(10)		Metering Data Agent
SECONDARY_TLF	numeric(7,5)		Secondary Transmission Loss Factor

## 30.22 Table: SETGENDATAREGION

### 30.22.1 SETGENDATAREGION

Name	SETGENDATAREGION
Comment	SETGENDATAREGION sets out summary settlement data for generation within the specified region.

### 30.22.2 Description

SETGENDATAREGION shows the regional summary. SETGENDATAREGION is public data.

#### Source

SETGENDATAREGION updates with each Settlement run.

### 30.22.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.22.4 Primary Key Columns

Name  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.22.5 Index Columns

Name  
 LASTCHANGED

### 30.22.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(22,10)	X	Settlement run no
PERIODID	numeric(22,10)	X	Settlement Period identifier
REGIONID	varchar(10)	X	Region Identifier
ENERGY	numeric(22,0)		Generated energy - Not used in MMS Data Model
AENERGY	numeric(22,0)		Purchased Energy - Not used in MMS Data Model
GPOWER	numeric(22,0)		Not used in MMS Data Model
APOWER	numeric(22,0)		Not used in MMS Data Model
NETENERGY	numeric(27,5)		Net energy MW/hours
ENERGYCOST	numeric(27,5)		Cost of net energy \$
EXCESSENERGYCOST	numeric(27,5)		Cost of excess energy \$
EXPENERGY	numeric(27,6)		Export Energy (Generator Purchases)
EXPENERGYCOST	numeric(27,6)		Export Energy Cost
LASTCHANGED	datetime		current system date, to enable automatic

		replication
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## 30.23 Table: SETINTERVENTION

### 30.23.1 SETINTERVENTION

Name	SETINTERVENTION
Comment	SETINTERVENTION shows intervention settlement payment details by unit.

### 30.23.2 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.

### 30.23.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.23.4 Primary Key Columns

Name  
 DUID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.23.5 Index Columns

Name  
 LASTCHANGED

### 30.23.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PERIODID	numeric(3,0)	X	Settlement Period identifier
CONTRACTID	varchar(10)		Intervention Contract Identifier
CONTRACTVERSION	numeric(3,0)		Intervention Contract Version
PARTICIPANTID	varchar(10)		Unique participant identifier
REGIONID	varchar(10)		Region Identifier
DUID	varchar(10)	X	Dispatchable Unit ID
RCF	char(1)		Regional Recovery Flag
INTERVENTIONPAYMENT	numeric(12,5)		Payment to Generator for Intervention
LASTCHANGED	datetime		Last date and time record changed



## 30.24 Table: SETINTERVENTIONRECOVERY

### 30.24.1 SETINTERVENTIONRECOVERY

Name	SETINTERVENTIONRECOVERY
Comment	SETINTERVENTIONRECOVERY shows intervention recovery details by participant.

### 30.24.2 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.

### 30.24.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.24.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.24.5 Index Columns

Name  
 LASTCHANGED

### 30.24.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PERIODID	numeric(3,0)	X	Settlement Period identifier
CONTRACTID	varchar(10)	X	Intervention Contract Identifier
RCF	char(1)		Regional Recovery Flag
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PARTICIPANTDEMAND	numeric(12,5)		Demand of Participant in Region/Market
TOTALDEMAND	numeric(12,5)		Total Demand of Region/Market
INTERVENTIONPAYMENT	numeric(12,5)		Payment to Generator for Intervention
INTERVENTIONAMOUNT	numeric(12,5)		Retailer Payment to Pool for Intervention

T			
LASTCHANGED	datetime		Last date and time record changed
REGIONID	varchar(10)		Region Identifier

## 30.25 Table: SETINTRAREGIONRESIDUES

### 30.25.1 SETINTRAREGIONRESIDUES

Name	SETINTRAREGIONRESIDUES
Comment	

### 30.25.2 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:  
 $EP + EC + (EXP * RRP) = IRSS$

### 30.25.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.25.4 Primary Key Columns

Name
PERIODID
REGIONID
RUNNO
SETTLEMENTDATE

### 30.25.5 Index Columns

Name
LASTCHANGED

### 30.25.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
RUNNO	numeric(3)	X	Settlement run number
PERIODID	numeric(3)	X	Settlement period in the day (1..48)
REGIONID	varchar(10)	X	Region Identifier
EP	numeric(15,5)		Energy payments to generators
EC	numeric(15,5)		Energy purchased by customers
RRP	numeric(15,5)		Regional price
EXP	numeric(15,5)		Net import in MWh into the region calculated at the regional reference node (export is negative)
IRSS	numeric(15,5)		Intra-regional surplus (a negative sign indicates surplus, and a positive sign indicates a deficiency)
LASTCHANGED	datetime		Last date and time record changed

## 30.26 Table: SETIRAUCSURPLUS

### 30.26.1 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.

### 30.26.2 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.

### 30.26.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.26.4 Primary Key Columns

Name  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 SETTLEMENTRUNNO

### 30.26.5 Index Columns

Name  
 LASTCHANGED

### 30.26.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
SETTLEMENTRUNNO	numeric(3,0)	X	Settlement run number
CONTRACTID	varchar(10)	X	SRA Contract unique identifier
PERIODID	numeric(2,0)	X	Settlement Period in day (1..48)
PARTICIPANTID	varchar(10)	X	Unique participant identifier
INTERCONNECTORID	varchar(10)	X	Contracted Interconnector identifier
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector

TOTALSURPLUS	numeric(15,5)		Total value of surplus before allocation
CONTRACTALLOCATION	numeric(8,5)		Percentage allocated to participant
SURPLUSVALUE	numeric(15,5)		Amount NSP is paid for Inter/intra-Regional surplus energy produced
LASTCHANGED	datetime		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	numeric(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	numeric(18,8)		The SRA amount unadjusted by CSP

## 30.27 Table: SETIRFMRECOVERY

### 30.27.1 SETIRFMRECOVERY

Name	SETIRFMRECOVERY
Comment	SETIRFMRECOVERY sets out reimbursements for Industrial Relations Force Majeure to be recovered from participants.

### 30.27.2 Description

SETIRFMRECOVERY data is confidential to the relevant participant.

#### Source

SETIRFMRECOVERY updates with each settlement run.

### 30.27.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.27.4 Primary Key Columns

Name  
 IRFMID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.27.5 Index Columns

Name  
 LASTCHANGED

### 30.27.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
VERSIONNO	numeric(3,0)	X	Version number
PERIODID	numeric(3,0)	X	Settlement period ID
IRFMID	varchar(10)	X	Industrial Relations Forced Majeure event number
IRMFVERSION	numeric(3,0)		Industrial Relations Forced Majeure event number
PARTICIPANTID	varchar(10)	X	Participant unique identifier
PARTICIPANTDEMAND	numeric(12,5)		Participant demand
TOTALTCD	numeric(12,5)		Total non franchised load in Victoria.
TOTALTFD	numeric(12,5)		Total franchised load in Victoria.
IRFMAMOUNT	numeric(12,5)		Industrial Relations Forced Majeure event amount in \$.
IRFMPAYMENT	numeric(12,5)		Industrial Relations Forced Majeure payment amount in \$.

LASTCHANGED	datetime	Last date and time record changed
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## 30.28 Table: SETIRNSPSURPLUS

### 30.28.1 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.

### 30.28.2 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.

### 30.28.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.28.4 Primary Key Columns

Name  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 SETTLEMENTRUNNO

### 30.28.5 Index Columns

Name  
 LASTCHANGED

### 30.28.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
SETTLEMENTRUNNO	numeric(3,0)	X	Settlement run number
CONTRACTID	varchar(10)	X	SRA Contract unique identifier
PERIODID	numeric(2,0)	X	Settlement period in day (1..48)
PARTICIPANTID	varchar(10)	X	Participant unique identifier
INTERCONNECTORID	varchar(10)	X	Identifier of Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector

TOTALSURPLUS	numeric(15,5)		Total value of surplus
CONTRACTALLOCATION	numeric(8,5)		Percentage of total surplus allocated to participant
SURPLUSVALUE	numeric(15,5)		Amount NSP is paid for Inter/intra-Regional surplus energy produced by the participant
LASTCHANGED	datetime		Date and time this record was last modified
CSP_DEROGATION_AMOUNT	numeric(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	numeric(18,8)		The SRA amount unadjusted by CSP

## 30.29 Table: SETIRPARTSURPLUS

### 30.29.1 SETIRPARTSURPLUS

Name	SETIRPARTSURPLUS
Comment	This view supports the Settlements Residue Auction, holding the participant allocations of IRSurplus.

### 30.29.2 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.

### 30.29.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.29.4 Primary Key Columns

Name  
 CONTRACTID  
 FROMREGIONID  
 INTERCONNECTORID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 SETTLEMENTRUNNO

### 30.29.5 Index Columns

Name  
 LASTCHANGED

### 30.29.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
SETTLEMENTRUNNO	numeric(3,0)	X	Settlement run number
CONTRACTID	varchar(10)	X	Ancillary Service Contract
PERIODID	numeric(2,0)	X	Settlement period in the day (1..48)
PARTICIPANTID	varchar(10)	X	Participant unique identifier
INTERCONNECTORID	varchar(10)	X	Identifier of the Contracted Interconnector
FROMREGIONID	varchar(10)	X	Nominated source region for Interconnector
TOTALSURPLUS	numeric(15,5)		Total value of surplus before allocation

CONTRACTALLOCATION	numeric(8,5)		Allocated percentage to participant
SURPLUSVALUE	numeric(15,5)		Amount NSP is paid for Inter/intra-Regional surplus energy produced
LASTCHANGED	datetime		Date and time this record was last updated
CSP_DEROGATION_AMOUNT	numeric(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	numeric(18,8)		The SRA amount unadjusted by CSP

## 30.30 Table: SETIRSURPLUS

### 30.30.1 SETIRSURPLUS

Name	SETIRSURPLUS
Comment	SETIRSURPLUS records the interregional residue calculation for each interconnector and each side of the interconnector.

### 30.30.2 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.

### 30.30.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.30.4 Primary Key Columns

Name  
 INTERCONNECTORID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 SETTLEMENTRUNNO

### 30.30.5 Index Columns

Name  
 LASTCHANGED

### 30.30.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
SETTLEMENTRUNNO	numeric(3,0)	X	Settlement run number

PERIODID	numeric(3,0)	X	Trading interval
INTERCONNECTORID	varchar(10)	X	Interconnector
REGIONID	varchar(10)	X	Side of interconnector
MWFLOW	numeric(15,6)		Net flow at the regional node (MWh), including losses
LOSSFACTOR	numeric(15,5)		MW losses along interconnector NOTE: This is not a loss factor, but a loss figure expressed in MWh
SURPLUSVALUE	numeric(15,5)		Amount of surplus in \$
LASTCHANGED	datetime		Last date and time record changed
CSP_DEROGATION_AMOUNT	numeric(18,8)		The CSP derogation amount applied as an adjustment to SRA
UNADJUSTED_IRSR	numeric(18,8)		The SRA amount unadjusted by CSP

## 30.31 Table: SETLSHEDPAYMENT

### 30.31.1 SETLSHEDPAYMENT

Name	SETLSHEDPAYMENT
Comment	SETLSHEDPAYMENT shows specific payment details for load shed services by period.

### 30.31.2 Description

SETLSHEDPAYMENT data is confidential to the relevant participant.

#### Source

SETLSHEDPAYMENT updates with each settlement run.

### 30.31.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.31.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.31.5 Index Columns

Name  
 LASTCHANGED

### 30.31.6 Index Columns

Name  
 PARTICIPANTID

### 30.31.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
CONTRACTID	varchar(10)	X	AS Contract Identifier
PERIODID	numeric(3,0)	X	Trading Interval
DUID	varchar(10)		Dispatchable Unit Identifier
REGIONID	varchar(10)		Region Identifier
TLF	numeric(7,5)		Transmission Loss Factor
RRP	numeric(15,5)		Regional Reference Price
LSEPRICE	numeric(15,5)		Load Shed Enabling Price

MCPPRICE	numeric(15,5)		Minimum Compensation Price
LSCR	numeric(4,0)		Load Shed Control Range
LSEPAYMENT	numeric(15,5)		Load Shed Enabling Payment
CCPAYMENT	numeric(15,5)		Compensation Payment
CONSTRAINEDMW	numeric(15,5)		Cleared MW of unit at time of load shed usage
UNCONSTRAINEDMW	numeric(15,5)		Unconstrained MW of unit at time of load shed usage
ALS	numeric(15,5)		Amount of load shed
INITIALDEMAND	numeric(15,5)		Initial demand of unit at time of load shed usage
FINALDEMAND	numeric(15,5)		Final demand of unit at time of load shed usage
CONTRACTVERSIONNO	numeric(3,0)		AS Contract Version No.
OFFERDATE	datetime		Re-offer offer date
OFFERVERSIONNO	numeric(3,0)		Re-Offer Version No.
LASTCHANGED	datetime		Last date and time record changed
AVAILABILITYPAYMENT	numeric(16,6)		Payment amount for the Load Shed Availability service

## 30.32 Table: SETLSHEDRECOVERY

### 30.32.1 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)

### 30.32.2 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.

### 30.32.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.32.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

### 30.32.5 Index Columns

Name
LASTCHANGED

### 30.32.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		Contract Identifier for reserve, intervention, settlement and ancillary service contracts. Contracts are coded by type and unit.
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier

LSEPAYMENT	numeric(15,5)		Load Shed Enabling Payment
CCPAYMENT	numeric(15,5)		Compensation Payment
PARTICIPANTDEMAND	numeric(15,5)		Total Participant NEM Demand
REGIONDEMAND	numeric(15,5)		Total NEM Demand
LSERECOVERY	numeric(15,5)		Load Shed Enabling Recovery
CCRECOVERY	numeric(15,5)		Compensation Recovery
LASTCHANGED	datetime		Last date and time record changed
LSERECOVERY_GEN	numeric(15,5)		Load Shed Enabling Recovery for Generator
CCRECOVERY_GEN	numeric(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	numeric(15,5)		Total Participant NEM Demand for Generator
REGIONDEMAND_GEN	numeric(15,5)		Total NEM Demand for Generator
AVAILABILITYRECOVERY	numeric(16,6)		Recovery amount for the Load Shed Availability service attributable to customer connection points
AVAILABILITYRECOVERY_GEN	numeric(16,6)		Recovery amount for the Load Shed Availability service attributable to generator connection points

### 30.33 Table: SETLULOLOADRECOVERY

#### 30.33.1 SETLULOLOADRECOVERY

Name	SETLULOLOADRECOVERY
Comment	SETLULOLOADRECOVERY shows reimbursements for rapid-unit-load Ancillary Services to be recovered from participants.

#### 30.33.2 Description

SETLULOLOADRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETLULOLOADRECOVERY data is confidential to each participant.

#### Source

SETLULOLOADRECOVERY is unused; was updated with each settlement run.

#### 30.33.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 30.33.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

#### 30.33.5 Index Columns

Name
LASTCHANGED

#### 30.33.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		AS Contract ID
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier
ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
USAGEPAYMENT	numeric(15,5)		Usage Payment
COMPENSATIONPAYMENT	numeric(15,5)		Compensation Payment

PARTICIPANTDEMAND	numeric(15,5)		Participant Demand in Region
REGIONDEMAND	numeric(15,5)		Total Regional Demand
ENABLINGRECOVERY	numeric(15,5)		Enabling Recovery
USAGERECOVERY	numeric(15,5)		Usage Recovery
COMPENSATIONRECO VERY	numeric(15,5)		Compensation Recovery
LASTCHANGED	datetime		Last date and time record changed
ENABLINGRECOVERY_ GEN	numeric(15,5)		Enabling Recovery for Generator
USAGERECOVERY_GEN	numeric(15,5)		Usage Recovery for Generator
COMPENSATIONRECO VERY_GEN	numeric(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND _GEN	numeric(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	numeric(15,5)		Total Regional Demand for Generator

## 30.34 Table: SETLUNLOADPAYMENT

### 30.34.1 SETLUNLOADPAYMENT

Name	SETLUNLOADPAYMENT
Comment	SETLUNLOADPAYMENT shows specific payment details for rapid unit unload service.

### 30.34.2 Description

SETLUNLOADPAYMENT data is confidential to the relevant participant.

#### Source

SETLUNLOADPAYMENT updates with each settlement run.

### 30.34.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.34.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.34.5 Index Columns

Name  
 LASTCHANGED

### 30.34.6 Index Columns

Name  
 PARTICIPANTID

### 30.34.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
VERSIONNO	numeric(3,0)	X	Settlement run no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
CONTRACTID	varchar(10)	X	Ancillary Services contract identifier
PERIODID	numeric(3,0)	X	Region Identifier
DUID	varchar(10)		Dispatchable unit identifier
REGIONID	varchar(10)		Region identifier
TLF	numeric(7,5)		Transmission Loss Factor
EBP	numeric(15,5)		Eligible bid price
RRP	numeric(15,5)		Regional Reference Price

ENABLINGPRICE	numeric(15,5)		Enabling price
USAGEPRICE	numeric(15,5)		Usage Price
CCPRICE	numeric(15,5)		Compensation cap
CLEAREDMW	numeric(15,5)		Cleared MW of Unit in Dispatch, Predispatch or Trading period.
UNCONSTRAINEDMW	numeric(15,5)		MW output the generator would have been running at had it not been constrained up to provide unit unloading
CONTROLRANGE	numeric(4,0)		The MW output achieved in 5 minutes from startup and is what payment is based on.
ENABLINGPAYMENT	numeric(15,5)		Enabling payment
USAGEPAYMENT	numeric(15,5)		Usage Payment
COMPENSATIONPAYMENT	numeric(15,5)		Compensation payment
CONTRACTVERSIONNO	numeric(3,0)		Contract version number
OFFERDATE	datetime		Re-offer offer date
OFFERVERSIONNO	numeric(3,0)		Re-Offer Version No.
LASTCHANGED	datetime		Date last changed

### 30.35 Table: SETLUNLOADRECOVERY

#### 30.35.1 SETLUNLOADRECOVERY

Name	SETLUNLOADRECOVERY
Comment	SETLUNLOADRECOVERY shows reimbursements for rapid unit unloading Ancillary Services to be recovered from participants.

#### 30.35.2 Description

SETLUNLOADRECOVERY data is confidential to the relevant participant.

#### Source

SETLUNLOADRECOVERY updates with each settlement run.

#### 30.35.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 30.35.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

#### 30.35.5 Index Columns

Name  
 LASTCHANGED

#### 30.35.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		AS Contract
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier
ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
USAGEPAYMENT	numeric(15,5)		Usage Payment
COMPENSATIONPAYMENT	numeric(15,5)		Compensation Payment
PARTICIPANTDEMAND	numeric(15,5)		Participant Demand in Region
REGIONDEMAND	numeric(15,5)		Total Regional Demand
ENABLINGRECOVERY	numeric(15,5)		Enabling Recovery
USAGERECOVERY	numeric(15,5)		Usage Recovery
COMPENSATIONRECO	numeric(15,5)		Compensation Recovery

VERY			
LASTCHANGED	datetime		Last date and time record changed
ENABLINGRECOVERY_GEN	numeric(15,5)		Enabling Recovery for Generator
USAGERECOVERY_GEN	numeric(15,5)		Usage Recovery for Generator
COMPENSATIONRECO VERY_GEN	numeric(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	numeric(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	numeric(15,5)		Total Regional Demand for Generator

## 30.36 Table: SETMARKETFEES

### 30.36.1 SETMARKETFEES

Name	SETMARKETFEES
Comment	SETMARKETFEES shows payments for market fees for each settlement date.

### 30.36.2 Description

SETMARKETFEES is confidential data.

#### Source

SETMARKETFEES updates with each settlement run.

### 30.36.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.36.4 Primary Key Columns

Name  
 MARKETFEEID  
 PARTICIPANTCATEGORYID  
 PARTICIPANTID  
 PERIODID  
 RUNNO  
 SETTLEMENTDATE

### 30.36.5 Index Columns

Name  
 LASTCHANGED

### 30.36.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
RUNNO	numeric(3,0)	X	Settlement run no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PERIODID	numeric(3,0)	X	Period identifier
MARKETFEEID	varchar(10)	X	Market fee identifier (e.g. V_EST)
MARKETFEEVALUE	numeric(15,5)		Fee charge
ENERGY	numeric(16,6)		Energy amount for variable fees
LASTCHANGED	datetime		Last date and time record changed
PARTICIPANTCATEGORYID	varchar(10)	X	The participant category that the market fee recovery pertains to. Corresponds to the PARTICIPANTCATEGORYID column of the PARTICIPANT_BANDFEE_CATEGORY_ALLOC_C_V view for BAND\$ type fees,

			or to the MARKETFEE TYPE column of the MARKETFEE_P_V view for all other fee types.
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## 30.37 Table: SETREALLOCATIONS

### 30.37.1 SETREALLOCATIONS

Name	SETREALLOCATIONS
Comment	SETREALLOCATIONS shows the trading interval value of reallocations processed, for those participants whose reallocation submissions have been accepted by AEMO.

### 30.37.2 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.

### 30.37.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.37.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REALLOCATIONID  
 RUNNO  
 SETTLEMENTDATE

### 30.37.5 Index Columns

Name  
 LASTCHANGED

### 30.37.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
RUNNO	numeric(3,0)	X	Settlement run no
PERIODID	numeric(3,0)	X	Settlement Period identifier
PARTICIPANTID	varchar(10)	X	Unique participant identifier
REALLOCATIONID	varchar(20)	X	Reallocation contract identifier
REALLOCATIONVALUE	numeric(15,5)		Reallocation value in \$
ENERGY	numeric(15,5)		Energy in MWh if reallocation agreement type is MWh
RRP	numeric(15,5)		Regional Reference Price
LASTCHANGED	datetime		Last date and time record changed



## 30.38 Table: SETRESERVERECOVERY

### 30.38.1 SETRESERVERECOVERY

Name	SETRESERVERECOVERY
Comment	SETRESERVERECOVERY shows reserve recovery details.

### 30.38.2 Description

SETRESERVERECOVERY is unused.

#### Source

Unused; was updated when reserve recovery occurred in a billing run.

### 30.38.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.38.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.38.5 Index Columns

Name  
 LASTCHANGED

### 30.38.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PERIODID	numeric(3,0)	X	Period Identifier
CONTRACTID	varchar(10)	X	
RCF	char(1)		Regional Recovery Flag
SPOTPAYMENT	numeric(12,5)		Cap difference for generator
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PARTICIPANTDEMAND	numeric(12,5)		Demand of Participant in Region/Market
TOTALDEMAND	numeric(12,5)		Total Demand of Region/Market
RESERVEPAYMENT	numeric(12,5)		Payment made to generator for Reserve Trader Contract
RESERVEAMOUNT	numeric(12,5)		Payment owed by Retailer to pool for Reserve Trader Contract
LASTCHANGED	datetime		Last date and time record changed
REGIONID	varchar(10)		Region Identifier

## 30.39 Table: SETRESTARTPAYMENT

### 30.39.1 SETRESTARTPAYMENT

Name	SETRESTARTPAYMENT
Comment	SETRESTARTPAYMENT shows specific payment details for System Restart services by period.

### 30.39.2 Description

SETRESTARTPAYMENT data is confidential to the relevant participant.

#### Source

SETRESTARTPAYMENT updates with each settlement run.

### 30.39.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.39.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.39.5 Index Columns

Name  
 LASTCHANGED

### 30.39.6 Index Columns

Name  
 PARTICIPANTID

### 30.39.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
CONTRACTID	varchar(10)	X	Contract Identifier
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)		Region Identifier
RESTARTTYPE	numeric(1,0)		System Restart Type (0 = FRC, 1 = GRC, 2 = TTH)
AVAFLAG	numeric(1,0)		Availability Flag
AVAILABILITYPRICE	numeric(15,5)		Availability Price

TCF	numeric(1,0)		Service Test Flag
AVAILABILITYPAYMENT	numeric(15,5)		Availability Payment
CONTRACTVERSIONNO	numeric(3,0)		Contract Version No.
OFFERDATE	datetime		Re-offer offer date
OFFERVERSIONNO	numeric(3,0)		Re-Offer Version No.
LASTCHANGED	datetime		Last date and time record changed
ENABLINGPAYMENT	numeric(18,8)		The enabling payment made for system restart in this half-hour interval

## 30.40 Table: SETRESTARTRECOVERY

### 30.40.1 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)

### 30.40.2 Description

SETRESTARTRECOVERY data is confidential to the relevant participant.

#### Source

SETRESTARTRECOVERY updates with each settlement run.

### 30.40.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.40.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.40.5 Index Columns

Name  
 LASTCHANGED

### 30.40.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		Contract Identifier
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier
AVAILABILITYPAYMENT	numeric(15,5)		Availability Payment
PARTICIPANTDEMAND	numeric(15,5)		Participant Demand in Region
REGIONDEMAND	numeric(15,5)		NEM Demand (NB sum of ALL Regions)
AVAILABILITYRECOVERY	numeric(15,5)		Availability Recovery
LASTCHANGED	datetime		Last date and time record changed
AVAILABILITYRECOVE	numeric(15,5)		Availability Recovery for Generator

RY_GEN			
PARTICIPANTDEMAND_GEN	numeric(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	numeric(15,5)		Sum of all generation including SGA generation across all regions of the NEM and floored to zero
ENABLINGPAYMENT	numeric(18,8)		The enabling payment made for system restart in this half-hour interval
ENABLINGRECOVERY	numeric(18,8)		The enabling recovery amount for system restart in this half-hour interval attributable to customer activity
ENABLINGRECOVERY_GEN	numeric(18,8)		The enabling recovery amount for system restart in this half-hour interval attributable to generator activity

## 30.41 Table: SETRPOWERPAYMENT

### 30.41.1 SETRPOWERPAYMENT

Name	SETRPOWERPAYMENT
Comment	SETRPOWERPAYMENT shows specific payment details for Reactive power services by period.

### 30.41.2 Description

SETRPOWERPAYMENT data is confidential to the relevant participant.

#### Source

SETRPOWERPAYMENT updates with each settlement run.

### 30.41.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.41.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.41.5 Index Columns

Name  
 LASTCHANGED

### 30.41.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
CONTRACTID	varchar(10)	X	AS Contract Identifier
PERIODID	numeric(3,0)	X	Trading Interval
DUID	varchar(10)		Dispatchable Unit Identifier
REGIONID	varchar(10)		Region Identifier
TLF	numeric(7,5)		Transmission Loss Factor
EBP	numeric(15,5)		Eligible Bid Price
RRP	numeric(15,5)		Regional Reference Price
MVARAPRICE	numeric(15,5)		Availability price per MVar of RP absorption capability
MVAREPRICE	numeric(15,5)		Enabling Price
MVARGPRICE	numeric(15,5)		Availability price per MVar of RP generation capability

CCPRICE	numeric(15,5)		Compensation Cap
SYNCCOMPENSATION	numeric(1,0)		Sync Compensation Flag
MTA	numeric(15,5)		Reactive Power Absorption Capability (MVAr)
MTG	numeric(15,5)		Reactive Power Generation Capability (MVAr)
BLOCKSIZE	numeric(4,0)		Block size of unit
AVAFLAG	numeric(1,0)		Availability Flag
CLEAREDMW	numeric(15,5)		Cleared MW of unit
UNCONSTRAINEDMW	numeric(15,5)		Unconstrained MW of unit
AVAILABILITYPAYMENT	numeric(15,5)		Availability Payment
ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
CCPAYMENT	numeric(15,5)		Compensation Payment
CONTRACTVERSIONNO	numeric(3,0)		AS Contract Version No.
OFFERDATE	datetime		Re-offer offer date
OFFERVERSIONNO	numeric(3,0)		Re-Offer Version No.
LASTCHANGED	datetime		Last date and time record changed
AVAILABILITYPAYMENT_REBATE	numeric(18,8)		The rebate amount if MegaVar (MVAr) is below the threshold.

## 30.42 Table: SETRPOWERRECOVERY

### 30.42.1 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)

### 30.42.2 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.

### 30.42.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.42.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.42.5 Index Columns

Name  
 LASTCHANGED

### 30.42.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		AS Contract Identifier
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier
AVAILABILITYPAYMENT	numeric(15,5)		Availability Payment

ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
CCPAYMENT	numeric(15,5)		Compensation payment
PARTICIPANTDEMAND	numeric(15,5)		Total Participant NEM Demand
REGIONDEMAND	numeric(15,5)		Total NEM Demand
AVAILABILITYRECOVERY	numeric(15,5)		Availability Recovery
ENABLINGRECOVERY	numeric(15,5)		Enabling Recovery
CCRECOVERY	numeric(15,5)		Compensation Recovery
LASTCHANGED	datetime		Last date and time record changed
AVAILABILITYRECOVERY_GEN	numeric(15,5)		Availability Recovery for Generator
ENABLINGRECOVERY_GEN	numeric(15,5)		Enabling Recovery for Generator
CCRECOVERY_GEN	numeric(15,5)		Compensation Recovery for Generator
PARTICIPANTDEMAND_GEN	numeric(15,5)		Total Participant NEM Demand for Generator
REGIONDEMAND_GEN	numeric(15,5)		Total NEM Demand for Generator

## 30.43 Table: SETSMALLGENDATA

### 30.43.1 SETSMALLGENDATA

Name	SETSMALLGENDATA
Comment	Publishes metering data and associated settlement values for with a registered Small Generator Aggregator participants connection points.

### 30.43.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.43.3 Primary Key Columns

Name  
 CONNECTIONPOINTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.43.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
VERSIONNO	numeric(3,0)	X	Version number of the record for the settlement date
CONNECTIONPOINTID	varchar(20)	X	Transmission Node Identifier (TNI)
PERIODID	numeric(3,0)	X	Settlement interval identifier (half hour period)
PARTICIPANTID	varchar(20)	X	Unique participant identifier
REGIONID	varchar(20)		Region Identifier
IMPORTENERGY	numeric(18,8)		The import direction value for the meter read (MWh)
EXPORTENERGY	numeric(18,8)		The export direction value for the meter read (MWh)
RRP	numeric(18,8)		Regional Reference Price
TLF	numeric(18,8)		Transmission Loss Factor
IMPENERGYCOST	numeric(18,8)		Import Energy Cost (\$)
EXPENERGYCOST	numeric(18,8)		Export Energy Cost (\$)
LASTCHANGED	datetime		Last date and time the record changed

## 30.44 Table: SETVICBOUNDARYENERGY

### 30.44.1 SETVICBOUNDARYENERGY

Name	SETVICBOUNDARYENERGY
Comment	SETVICBOUNDARYENERGY is as requested by Participants for the settlement of Victorian Vesting contracts.

### 30.44.2 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.

### 30.44.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 30.44.4 Primary Key Columns

Name
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

### 30.44.5 Index Columns

Name
LASTCHANGED

### 30.44.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement and date
VERSIONNO	numeric(3,0)	X	Version number
PARTICIPANTID	varchar(10)	X	Participant Identifier
PERIODID	numeric(3,0)	X	Period Identifier
BOUNDARYENERGY	numeric(15,5)		Interval energy purchases in Victoria when host distributor = Pool (in MWh)
LASTCHANGED	datetime		Last changed

## 30.45 Table: SETVICENERGYFIGURES

### 30.45.1 SETVICENERGYFIGURES

Name	SETVICENERGYFIGURES
Comment	SETVICENERGYFIGURES is used in settlement of Victorian Vesting contracts.

### 30.45.2 Description

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

#### Source

SETVICENERGYFIGURES updates daily, with settlements.

### 30.45.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.45.4 Primary Key Columns

Name  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.45.5 Index Columns

Name  
 LASTCHANGED

### 30.45.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
VERSIONNO	numeric(3,0)	X	Version number
PERIODID	numeric(3,0)	X	Settlement period
TOTALGENOUTPUT	numeric(15,5)		Total generator output
TOTALPCSD	numeric(15,5)		Total participant demand
LASTCHANGED	datetime		Last changed
TLR	numeric(15,6)		Transmission loss factor
MILF	numeric(15,6)		Marginal loss factor

## 30.46 Table: SETVICENERGYFLOW

### 30.46.1 SETVICENERGYFLOW

Name	SETVICENERGYFLOW
Comment	SETVICENERGYFLOW is used in settlement of Victorian Vesting contracts.

### 30.46.2 Description

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

#### Source

SETVICENERGYFLOW updates daily, with settlements

### 30.46.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 30.46.4 Primary Key Columns

Name  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 30.46.5 Index Columns

Name  
 LASTCHANGED

### 30.46.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
VERSIONNO	numeric(3,0)	X	Version number
PERIODID	numeric(3,0)	X	Settlement period
NETFLOW	numeric(15,5)		Net metered energy flowing across the V-SN and V-SA interconnectors
LASTCHANGED	datetime		Last changed

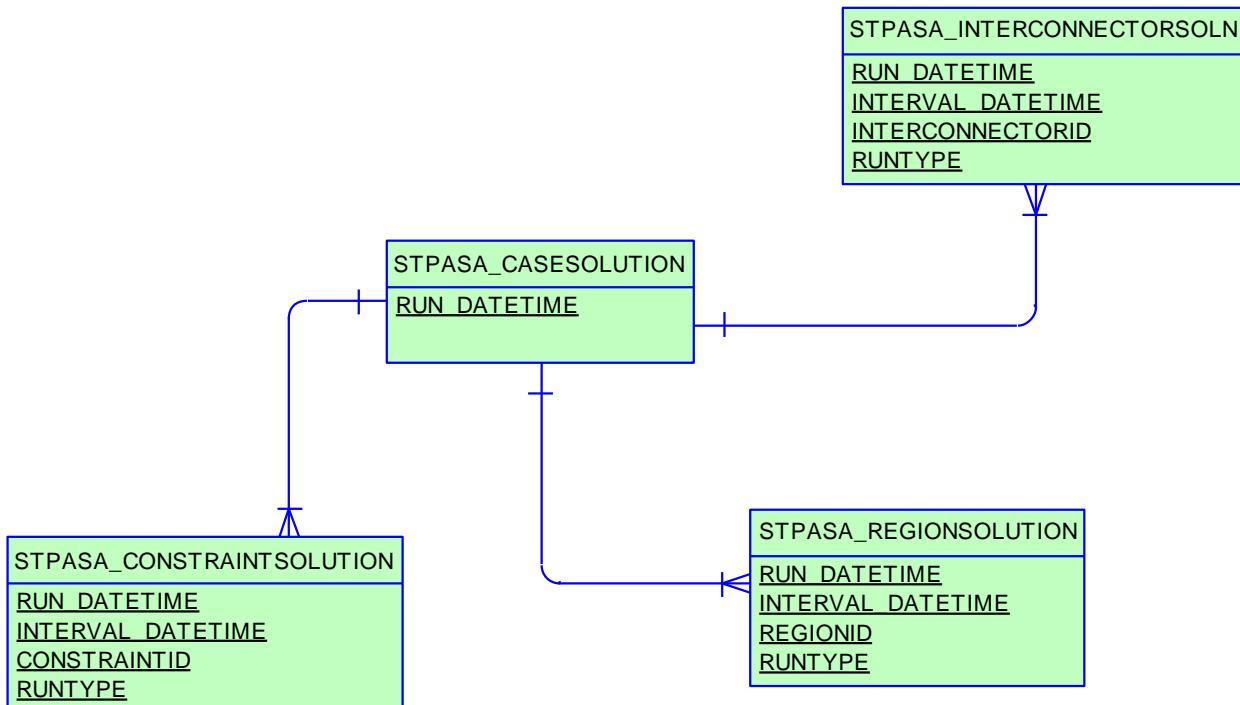
## 31 Package: STPASA\_SOLUTION

Name	STPASA_SOLUTION
Comment	Results from a published Short Term PASA Run

### 31.1 List of tables

Name	Comment
STPASA_CASESOLUTION	STPASA_CASESOLUTION holds one record containing results pertaining to each entire solution
STPASA_CONSTRAINTSOLUTION	STPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.
STPASA_INTERCONNECTORSOLN	STPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.
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.

### 31.2 Diagram: Entities: ST PASA Solution



### 31.3 Table: STPASA\_CASESOLUTION

#### 31.3.1 STPASA\_CASESOLUTION

Name	STPASA_CASESOLUTION
Comment	STPASA_CASESOLUTION holds one record containing results pertaining to each entire solution

#### 31.3.2 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

#### 31.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 31.3.4 Primary Key Columns

Name
RUN_DATETIME

#### 31.3.5 Index Columns

Name
LASTCHANGED

#### 31.3.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
PASAVERSION	varchar(10)		Version of the PASA solver used to solve this case
RESERVECONDITION	numeric(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	numeric(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	numeric(12,3)		Objective Function from the Capacity Adequacy run
CAPACITYOPTION	numeric(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%
MAXSURPLUSRESERV EOPTION	numeric(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	numeric(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	numeric(12,3)		The penalty for non-zero interconnector flow
LASTCHANGED	datetime		Date and time the record was created or modified
RELIABILITYLRCDEMANDOPTION	numeric(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	numeric(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	numeric(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	varchar(10)		Generation Availability to be used in Reliability LRC run (either PASA or MARKET)
OUTAGELRCCAPACITYOPTION	varchar(10)		Generation Availability to be used in Outage LRC run (either PASA or MARKET)
LORCAPACITYOPTION	varchar(10)		Generation Availability to be used in LOR run (either PASA or MARKET)
LORUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option
ReliabilityLRCUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option
OutageLRCUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option

## 31.4 Table: STPASA\_CONSTRAINTSOLUTION

### 31.4.1 STPASA\_CONSTRAINTSOLUTION

Name	STPASA_CONSTRAINTSOLUTION
Comment	STPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.

### 31.4.2 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

### 31.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 31.4.4 Primary Key Columns

Name  
 CONSTRAINTID  
 INTERVAL\_DATETIME  
 RUN\_DATETIME  
 RUNTYPE

### 31.4.5 Index Columns

Name  
 LASTCHANGED

### 31.4.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
CONSTRAINTID	varchar(20)	X	Constraint identifier (synonymous with GenConID)
CAPACITYRHS	numeric(12,2)		The RHS value in the capacity evaluation.
CAPACITYMARGINALVALUE	numeric(12,2)		Capacity adequacy assessment marginal value, 0 if not binding
CAPACITYVIOLATIOND	numeric(12,2)		Capacity adequacy assessment violation

EGREE			degree for generic constraint; 0 if not violating
LASTCHANGED	datetime		Last changed date of this record
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC

## 31.5 Table: STPASA\_INTERCONNECTORSOLN

### 31.5.1 STPASA\_INTERCONNECTORSOLN

Name	STPASA_INTERCONNECTORSOLN
Comment	STPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.

### 31.5.2 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

### 31.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 31.5.4 Primary Key Columns

Name  
 INTERCONNECTORID  
 INTERVAL\_DATETIME  
 RUN\_DATETIME  
 RUNTYPE

### 31.5.5 Index Columns

Name  
 LASTCHANGED

### 31.5.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
INTERCONNECTORID	varchar(10)	X	Interconnector Identifier
CAPACITYMWFLOW	numeric(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	numeric(12,2)		Capacity adequacy assessment marginal value, 0 if not binding
CAPACITYVIOLATIOND	numeric(12,2)		Capacity adequacy assessment violation

EGREE			degree for interconnector capacity; 0 if not violating
CALCULATEDEXPORTLIMIT	numeric(12,2)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
CALCULATEDIMPORTLIMIT	numeric(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	datetime		Last changed date of this record
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
EXPORTLIMITCONSTRAINTID	varchar(20)		ID of the constraint that sets the Interconnector Export Limit
IMPORTLIMITCONSTRAINTID	varchar(20)		ID of the constraint that sets the Interconnector Import Limit

## 31.6 Table: STPASA\_REGIONSOLUTION

### 31.6.1 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.

### 31.6.2 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

### 31.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 31.6.4 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNTYPE

### 31.6.5 Index Columns

Name
LASTCHANGED

### 31.6.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
REGIONID	varchar(10)	X	Region Identifier
DEMAND10	numeric(12,2)		Input value for 10% probability demand
DEMAND50	numeric(12,2)		Input value for 50% probability demand
DEMAND90	numeric(12,2)		Input value for 90% probability demand
RESERVEREQ	numeric(12,2)		Input reserve requirement
CAPACITYREQ	numeric(12,2)		Demand + Reserve Requirement
ENERGYREQDEMAND50	numeric(12,2)		Sum of: (Region Period Demand - given Demand50)/Period (sum by trading day,

			entered in first period of trading day, GWh)
UNCONSTRAINEDCAPACITY	numeric(12,0)		Region energy unconstrained MW capacity subject to energy and network security constraints
CONSTRAINEDCAPACITY	numeric(12,0)		Available capacity (MW) in this region energy constrained MW capacity subject to energy and network security constraints
NETINTERCHANGEUNDERSCARCITY	numeric(12,2)		Net export in MW out of this region in the capacity adequacy evaluation. Export if > 0, Import if < 0.
SURPLUSCAPACITY	numeric(12,2)		Regional surplus capacity MW, +/- values indicate surplus/deficit capacity respectively
SURPLUSRESERVE	numeric(12,2)		Regional reserve surplus. +/- values indicate surplus/deficit reserve respectively
RESERVECONDITION	numeric(1,0)		The regional reserve condition: 0 Adequate, 1 LRC
MAXSURPLUSRESERVE	numeric(12,2)		The Maximum Surplus Reserve evaluated for this region in this period. Calculated for each region in turn.
MAXSPARECAPACITY	numeric(12,2)		The Maximum Spare Capacity evaluated for this region in this period. Calculated for each region in turn.
LORCONDITION	numeric(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	numeric(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
AGGREGATESCHEDULEDLOAD	numeric(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	datetime		Last changed date of this record
AGGREGATEPASAABILITY	numeric(12,0)		Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
ENERGYREQDEMAND10	numeric(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	numeric(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	numeric(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGEUNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the MSR assessment
LORNINTERCHANGEUNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).

DEMAND_AND_NONSCHEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SemiScheduledCapacity	numeric(12,2)		Aggregate Regional UIGF availability
LOR_SemiScheduledCapacity	numeric(12,2)		Aggregate Regional UIGF availability for LOR
LCR	numeric(16,6)		Largest Credible Risk. MW value for highest credible contingency
LCR2	numeric(16,6)		Two Largest Creditable Risks. MW value for highest two credible contingencies.
FUM	numeric(16,6)		Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines

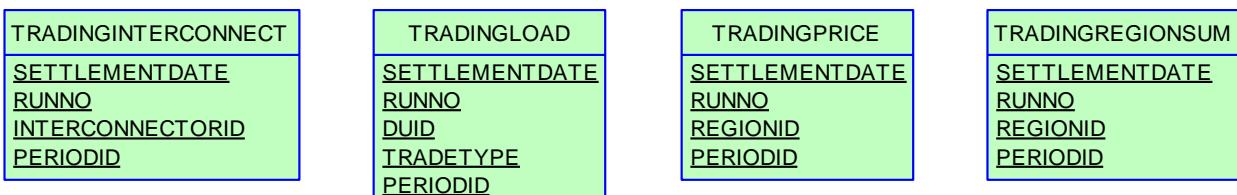
## 32 Package: TRADING\_DATA

Name	TRADING_DATA
Comment	30 minute Trading interval results

### 32.1 List of tables

Name	Comment
TRADINGINTERCONNECT	TRADINGINTERCONNECT shows the half-hourly summary of Interconnector flows based on 5-minute averages.
TRADINGLOAD	TRADINGLOAD shows half-hourly average dispatch levels, including fields to handle the Ancillary Services functionality.
TRADINGPRICE	TRADINGPRICE sets out half-hourly spot market price, including fields to handle the Ancillary Services functionality. <del>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.</del>
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.

### 32.2 Diagram: Entities: Trading Data



### 32.3 Table: TRADINGINTERCONNECT

#### 32.3.1 TRADINGINTERCONNECT

Name	TRADINGINTERCONNECT
Comment	TRADINGINTERCONNECT shows the half-hourly summary of Interconnector flows based on 5-minute averages.

#### 32.3.2 Description

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

#### Source

TRADINGINTERCONNECT is updated half hourly.

#### 32.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 32.3.4 Primary Key Columns

Name  
 INTERCONNECTORID  
 PERIODID  
 RUNNO  
 SETTLEMENTDATE

#### 32.3.5 Index Columns

Name  
 LASTCHANGED

#### 32.3.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Date that this data applies to
RUNNO	numeric(3,0)	X	Dispatch run no.
INTERCONNECTORID	varchar(10)	X	Interconnector identifier
PERIODID	numeric(3,0)	X	Period Identifier
METEREDMWFLOW	numeric(15,5)		Average of the metered MW flow from the start of each dispatch interval.
MWFLOW	numeric(15,5)		Calculated MW Flow from SPD
MWLOSSES	numeric(15,5)		MW losses at calculated MW flow
LASTCHANGED	datetime		Last date and time record changed

## 32.4 Table: TRADINGLOAD

### 32.4.1 TRADINGLOAD

Name	TRADINGLOAD
Comment	TRADINGLOAD shows half-hourly average dispatch levels, including fields to handle the Ancillary Services functionality.

### 32.4.2 Description

#### Source

Own (confidential) TRADINGLOAD data updates half hourly, with public availability of all data on next day.

### 32.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private; Public Next-Day

### 32.4.4 Primary Key Columns

Name  
 DUID  
 PERIODID  
 RUNNO  
 SETTLEMENTDATE  
 TRADETYPE

### 32.4.5 Index Columns

Name  
 LASTCHANGED

### 32.4.6 Index Columns

Name  
 DUID  
 LASTCHANGED

### 32.4.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Date that this data applies to
RUNNO	numeric(3,0)	X	Dispatch run no.
DUID	varchar(10)	X	Dispatchable Unit Identifier
TRADETYPE	numeric(2,0)	X	Not used
PERIODID	numeric(3,0)	X	Period Identifier
INITIALMW	numeric(15,5)		Average Initial MW at start of each period
TOTALCleared	numeric(15,5)		Average total MW dispatched over period
RAMPDOWNRATE	numeric(15,5)		Average ramp down rate

RAMPUPRATE	numeric(15,5)		Average ramp up rate
LOWER5MIN	numeric(15,5)		Average 5 min lower dispatch
LOWER60SEC	numeric(15,5)		Average 60 sec lower dispatch
LOWER6SEC	numeric(15,5)		Average 60 sec lower dispatch
RAISE5MIN	numeric(15,5)		Average 5 min raise dispatch
RAISE60SEC	numeric(15,5)		Average 60 sec raise dispatch
RAISE6SEC	numeric(15,5)		Average 6 sec raise dispatch
LASTCHANGED	datetime		Last date and time record changed
LOWERREG	numeric(15,5)		Lower Regulation reserve target
RAISEREG	numeric(15,5)		Raise Regulation reserve target
AVAILABILITY	numeric(15,5)		Bid energy availability
SEMDIDSPATCHCAP	numeric(3,0)		Boolean representation flagging if the Target is Capped

## 32.5 Table: TRADINGPRICE

### 32.5.1 TRADINGPRICE

Name	TRADINGPRICE
Comment	TRADINGPRICE sets out half-hourly 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.

### 32.5.2 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.

### 32.5.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 32.5.4 Primary Key Columns

Name  
 PERIODID  
 REGIONID  
 RUNNO  
 SETTLEMENTDATE

### 32.5.5 Index Columns

Name

LASTCHANGED

### 32.5.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Date that this data applies to
RUNNO	numeric(3,0)	X	Run No
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Trading Interval Period
RRP	numeric(15,5)		Regional reference price for this dispatch period
EEP	numeric(15,5)		Excess energy price where negative average
INVALIDFLAG	varchar(1)		Indicates when the Trading interval price has been adjusted after the trading interval was completed
LASTCHANGED	datetime		Last date and time record changed
ROP	numeric(15,5)		Regional Original Price. The price before any adjustments were made
RAISE6SECRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISE6SECROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
RAISE60SECRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISE60SECROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
RAISE5MINRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISE5MINROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
RAISEREGRRP	numeric(15,5)		Regional reference price for this dispatch period
RAISEREGROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWER6SECRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWER6SECROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWER60SECRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWER60SECROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWER5MINRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWER5MINROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
LOWERREGRRP	numeric(15,5)		Regional reference price for this dispatch period
LOWERREGROP	numeric(15,5)		Original regional price - prior to APC or VoLL overrides applied
PRICE_STATUS	varchar(20)		Status of regional prices for this dispatch interval "NOT FIRM" or "FIRM"

## 32.6 Table: TRADINGREGIONSUM

### 32.6.1 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.

### 32.6.2 Description

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

#### Source

TRADINGREGIONSUM is updated every 30 minutes.

### 32.6.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 32.6.4 Primary Key Columns

Name
PERIODID
REGIONID
RUNNO
SETTLEMENTDATE

### 32.6.5 Index Columns

Name
LASTCHANGED

### 32.6.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Date that this data applies to
RUNNO	numeric(3,0)	X	Dispatch run no.
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Trading interval identifier within settlement day.
TOTALDEMAND	numeric(15,5)		Total demand for region
AVAILABLEGENERATION	numeric(15,5)		The available generation in the Region for the interval
AVAILABLELOAD	numeric(15,5)		Not used
DEMANDFORECAST	numeric(15,5)		Forecast demand for region
DISPATCHABLEGENERATION	numeric(15,5)		Averaged generation dispatched in region
DISPATCHABLELOAD	numeric(15,5)		Averaged load dispatched in region
NETINTERCHANGE	numeric(15,5)		Average energy transferred over

			interconnector
EXCESSGENERATION	numeric(15,5)		Average excess generation in region
LOWER5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW dispatch
LOWER5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 5 min MW imported
LOWER5MINLOCALDISPATCH	numeric(15,5)		Lower 5 min local dispatch
LOWER5MINLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 5 min
LOWER5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min local requirement
LOWER5MINPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 5 min
LOWER5MINREQ	numeric(15,5)		Not used since Dec 2003. Lower 5 min total requirement
LOWER5MINSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 5 min
LOWER60SECDISPATC H	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW dispatch
LOWER60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 60 sec MW imported
LOWER60SECLOCALDISPATCH	numeric(15,5)		Lower 60 sec local dispatch
LOWER60SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 60 sec
LOWER60SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec local requirement
LOWER60SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 60 sec
LOWER60SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 60 sec total requirement
LOWER60SECSUPPLY PRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 60 sec
LOWER6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW dispatch
LOWER6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Lower 6 sec MW imported
LOWER6SECLOCALDISPATCH	numeric(15,5)		Lower 6 sec local dispatch
LOWER6SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of lower 6 sec
LOWER6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec local requirement
LOWER6SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of lower 6 sec
LOWER6SECREQ	numeric(15,5)		Not used since Dec 2003. Lower 6 sec total requirement
LOWER6SECSUPPLYPRICE	numeric(15,5)		Not used since Dec 2003. Supply price of lower 6 sec
RAISE5MINDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW dispatch
RAISE5MINIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 5 min MW imported
RAISE5MINLOCALDISPATCH	numeric(15,5)		Raise 5 min local dispatch
RAISE5MINLOCALPRICE	numeric(15,5)		Not used since Dec 2003. Local price of raise 5 min
RAISE5MINLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min local requirement

RAISE5MINPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 5 min
RAISE5MINREQ	numeric(15,5)		Not used since Dec 2003. Raise 5 min total requirement
RAISE5MINSUPPLYPRI CE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 5 min
RAISE60SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW dispatch
RAISE60SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 60 sec MW imported
RAISE60SECLOCALDIS PATCH	numeric(15,5)		Raise 60 sec local dispatch
RAISE60SECLOCALPRI CE	numeric(15,5)		Not used since Dec 2003. Local price of raise 60 sec
RAISE60SECLOCALRE Q	numeric(15,5)		Not used since Dec 2003. Raise 60 sec local requirement
RAISE60SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 60 sec
RAISE60SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 60 sec total requirement
RAISE60SECSUPPLYP RICE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 60 sec
RAISE6SECDISPATCH	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW dispatch
RAISE6SECIMPORT	numeric(15,5)		Not used since Dec 2003. Raise 6 sec MW imported
RAISE6SECLOCALDISP ATCH	numeric(15,5)		Raise 6 sec local dispatch
RAISE6SECLOCALPRIC E	numeric(15,5)		Not used since Dec 2003. Local price of raise 6 sec
RAISE6SECLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec local requirement
RAISE6SECPRICE	numeric(15,5)		Not used since Dec 2003. Regional price of raise 6 sec
RAISE6SECREQ	numeric(15,5)		Not used since Dec 2003. Raise 6 sec total requirement
RAISE6SECSUPPLYPRI CE	numeric(15,5)		Not used since Dec 2003. Supply price of raise 6 sec
LASTCHANGED	datetime		Last date and time record changed
INITIALSUPPLY	numeric(15,5)		Sum of initial generation and import for region
CLEAREDSUPPLY	numeric(15,5)		Sum of cleared generation and import for region
LOWERREGIMPORT	numeric(15,5)		Not used since Dec 2003. Lower Regulation MW imported
LOWERREGLOCALDIS PATCH	numeric(15,5)		Lower Regulation local dispatch
LOWERREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation local requirement
LOWERREGREQ	numeric(15,5)		Not used since Dec 2003. Lower Regulation total requirement
RAISEREGIMPORT	numeric(15,5)		Not used since Dec 2003. Raise Regulation MW imported
RAISEREGLOCALDISP ATCH	numeric(15,5)		Raise Regulation local dispatch
RAISEREGLOCALREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation local requirement
RAISEREGREQ	numeric(15,5)		Not used since Dec 2003. Raise Regulation total requirement
RAISE5MINLOCALVIOL	numeric(15,5)		Not used since Dec 2003. Violation (MW)

ATION			of Raise 5 min local requirement
RAISEREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg local requirement
RAISE60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement
RAISE6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement
LOWER5MINLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement
LOWERREGLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg local requirement
LOWER60SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement
LOWER6SECLOCALVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement
RAISE5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 5 min requirement
RAISEREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise Reg requirement
RAISE60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement
RAISE6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement
LOWER5MINVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 5 min requirement
LOWERREGVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower Reg requirement
LOWER60SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement
LOWER6SECVIOLATION	numeric(15,5)		Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement
TOTALINTERMITTENTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(15,5)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).

## 33 Package: HISTORICAL TABLES

Name	HISTORICAL TABLES
Comment	These tables are no longer used

### 33.1 List of tables

Name	Comment
APCCOMP	APCCOMP is to set out Administered Price Cap (APC) compensation periods for a participant.
APCCOMPAMOUNT	APCCOMPAMOUNT shows the Administered Price Cap (APC) compensation amount.
APCCOMPAMOUNTTRK	APCCOMPAMOUNTTRK sets out the relevant Administered Price Cap (APC) period for compensation purposes. Use the APCCOMPAMOUNTTRK table in conjunction with APCAMOUNT.
BILLADJUSTMENTS	
BILLING_CSP_DEROGATION_AMOUNT	CSP derogation amounts with respect to participant allocated payment
BILLINGCPSUM	BILLINGCPSUM shows adjustments for a billing run by participant.
BILLINGCUSTEXCESSGEN	BILLINGCUSTEXCESSGEN shows excess generation payments for each participant cutover.
BILLINGEXCESSGEN	BILLINGEXCESSGEN shows the excess generation cost by period for each participant.
BILLINGINTERVENTION	BILLINGINTERVENTION shows billing intervention recovery details.
BILLINGINTERVENTIONREGION	BILLINGINTERVENTIONREGION shows recovery charges for region intervention.
BILLINGRESERVERECOV	BILLINGRESERVERECOV shows Market Reserve recovery details for each participant in a bill run.
BILLINGRESERVEREGIONRECOV	BILLINGRESERVEREGIONRECOV shows Billing Region Reserve region recovery details for each participant (by region).
BILLINGRESERVERTRADER	BILLINGRESERVERTRADER shows Billing Market Reserve TRADER payment details to Generators.
BILLINGRESERVERTRADERR	BILLINGRESERVERTRADERR shows Billing Region Reserve Trader payment details.
BILLINTERVENTIONRECOV	BILLINTERVENTIONRECOV shows billing market intervention recovery details for each participant.
BILLINTERVENTIONREGIONRECOV	BILLINTERVENTIONREGIONRECOV shows billing region intervention recovery details for each participant by region.
BILLSMELTERRATE	BILLSMELTERRATE is standing data, setting out the rates used in smelter reduction calculations.
CONNECTIONPOINT	CONNECTIONPOINT shows all valid connection points and their type. Transmission loss factors are available for all connection points in TRANSMISSIONLOSSFACTOR.
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.
CONNECTIONPOINTOPERATINGSTA	CONNECTIONPOINTOPERATINGSTA shows whether a connection point is active or not.
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.
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.
CONTRACTRESERVETHRESHOLDHOLD	CONTRACTRESERVETHRESHOLD shows reserve contract threshold details for enabling, usage and availability thresholds and rates for reserve trader contracts.
CONTRACTRESERVETRADER	CONTRACTRESERVETRADER shows reserve trader 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.
CONTRACTUNITUNLOADING	CONTRACTUNITUNLOADING shows Ancillary Service contract data for rapid generator unit unloading.
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.
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.
DEFAULTDAYOFFER	DEFAULTDAYOFFER shows day-based details of participants' default bids unit for the same day.
DEFAULTOFFERTRK	DEFAULTOFFERTRK shows the file names of default offers submitted for each unit.
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.
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.
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 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.
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.
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.

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.
FORCEMAJEURE	FORCEMAJEURE used to set out the start and end dates / periods of any force majeure event. FORCEMAJEURE is not used.
FORCEMAJEUREREGION	FORCEMAJEUREREGION used to set out regions impacted by a force majeure event. This table is not used.
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.
INTCONTRACT	INTCONTRACT shows intervention contract details. These are specific to each intervention.
INTCONTRACTAMOUNT	INTCONTRACTAMOUNT shows intervention contract amounts.
INTCONTRACTAMOUNTTRK	INTCONTRACTAMOUNTTRK shows the latest valid version of each intervention contract.
INTERCONNMWFLOW	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).
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.
MARKETSUSREGION	MARKETSUSREGION is obsolete from 2017 End of Year DM4.27 Release. MARKETSUSREGION sets out a regions affected by a market suspension.
MAS_CP_CHANGE	MAS_CP_CHANGE records pending changes to the current MAS configuration.
MAS_CP_MASTER	MAS_CP_MASTER shows the current MAS configuration.
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.
METERDATA_GEN_DUID	Recorded actual generation of non-scheduled units where SCADA data is available.
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.
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.
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.

MTPASA_CONSTRAINTSOLUTION	<p>MTPASA_CONSTRAINTSOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>The MTPASA_CONSTRAINTSOLUTION table holds the binding and violated constraint results from the capacity evaluation, including the RHS value.</p> <p>Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables.</p>
MTPASA_INTERCONNECTORSOLUTION	<p>MTPASA_INTERCONNECTORSOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>The MTPASA_INTERCONNECTORSOLUTION table shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the ldcblock within the day.</p> <p>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).</p>
MTPASA_REGIONSOLUTION	<p>MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>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.</p>
MTPASA_RESERVELIMITSOLUTION	<p>MTPASA_RESERVELIMITSOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>MT PASA Solution table reporting whether a MT PASA Reserve requirement is binding for each day and LDC block of the run.</p>
MTPASACONSTRAINTSOLUTION_D	MTPASACONSTRAINTSOLUTION_D sets out MT PASA constraint solution results, where constraints are binding.
MTPASAINTERCONNECTORSOLUTION_D	MTPASAINTERCONNECTORSOLUTION_D shows interconnector results for MT PASA, shown region by region.
MTPASAREGIONSOLUTION_D	MTPASAREGIONSOLUTION_D shows region results for MT PASA, showing predicted demand and any capacity limits.
OARTRACK	OARTRACK shows an audit trail of bids for a particular settlement day. Corrupt bids do not update OARTRACK, but are just in OFFERFILETRK.
OFFERFILETRK	OFFERFILETRK shows an audit trail of all bid files submitted containing energy bids, including corrupt bids/rebids.
OFFERGOVDATA	OFFERGOVDATA sets out reoffers of governor (6 and 60 second FCAS) availability.
OFFERULADINGDATA	OFFERULADINGDATA shows reoffers of rapid unit loading capability.
OFFERUNLOADINGDATA	OFFERUNLOADINGDATA shows reoffers of rapid unit unloading capability.
PASACASESOLUTION	PASACASESOLUTION sets out ST PASA case listing providing details of each STPASA case run.
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.
PASAINTERCONNECTORSOLUTION	PASAINTERCONNECTORSOLUTION records ST PASA interconnector solutions for the latest period.
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.
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.
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.
PREDISPATCHBIDTRK	PREDISPATCHBIDTRK contains an audit trail of bids used in each predispatch run. Where predispatch is over 2 days, two bids are listed.
REALLOCATIONDETAILS	REALLOCATIONDETAILS sets out specific reallocation agreements.
REALLOCATIONINTERVALS	REALLOCATIONINTERVALS identifies the the reallocation agreement and provides the corresponding reallocation profiles submitted by the participant and accepted by AEMO
REALLOCATIONS	REALLOCATIONS shows reallocation agreement identifiers with corresponding start and end dates of submitted reallocations as accepted by AEMO.
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.
SET_CSP_DEROGATION_AMOUNT	A settlement table for the publication of Snowy CSP derogation amounts.
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
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
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
SETAPCCOMPENSATION	SETAPCCOMPENSATION shows Administered Price Cap (APC) compensation payments for each period.
SETAPCRECOVERY	SETAPCRECOVERY shows reimbursements for Administered Price Cap (APC) to be recovered from participants.
SETFCASRECOVERY	SETFCASRECOVERY shows reimbursements for the Frequency Control Ancillary Services compensation.
SETGOVPAYMENT	SETGOVPAYMENT shows specific payment details for Governor services by period.
SETGOVRECOVERY	SETGOVRECOVERY shows reimbursements for the Governor Ancillary Services to be recovered from participants.
SETLULOADPAYMENT	SETLULOADPAYMENT shows specific payment details for rapid unit load services by period.
SETRESERVETRADER	SETRESERVETRADER shows reserve trader details.
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 study.
STPASA_UNITSOLUTION	STPASA_UNITSOLUTION shows the unit results from the capacity evaluations for each period of the study.

### 33.2 Diagram: Entities: Historical Tables

These are not shown as the tables are no longer used

### 33.3 Table: APCCOMP

#### 33.3.1 APCCOMP

Name	APCCOMP
Comment	APCCOMP is to set out Administered Price Cap (APC) compensation periods for a participant.

#### 33.3.2 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

#### 33.3.3 Primary Key Columns

Name
APCID

#### 33.3.4 Index Columns

Name
LASTCHANGED

#### 33.3.5 Content

Name	Data Type	Mandatory	Comment
APCID	varchar(10)	X	APC event identifier.
REGIONID	varchar(10)		Region
STARTDATE	datetime		Settlement start date
STARTPERIOD	numeric(3,0)		Settlement start period (1-48)
ENDDATE	datetime		Settlement end date
ENDPERIOD	numeric(3,0)		Settlement end period (1-48)
LASTCHANGED	datetime		Last date and time record changed

## 33.4 Table: APCCOMPAMOUNT

### 33.4.1 APCCOMPAMOUNT

Name	APCCOMPAMOUNT
Comment	APCCOMPAMOUNT shows the Administered Price Cap (APC) compensation amount.

### 33.4.2 Description

Confidential to participants.

#### Source

Updated with settlement positive and issued with daily data.

Not in use - never used

### 33.4.3 Primary Key Columns

Name
APCID
PARTICIPANTID
PERIODID
VERSIONNO

### 33.4.4 Index Columns

Name
LASTCHANGED

### 33.4.5 Content

Name	Data Type	Mandatory	Comment
APCID	varchar(10)	X	APC Identifier
PARTICIPANTID	varchar(10)	X	Participant identifier
VERSIONNO	numeric(3,0)	X	Version number
PERIODID	numeric(6,0)	X	Offset from start date and period in APCCOMP table.
AMOUNT	numeric(15,5)		Compensation audit.
LASTCHANGED	datetime		Last date and time record changed

### 33.5 Table: APCCOMPAMOUNTTRK

#### 33.5.1 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.

#### 33.5.2 Description

Public

#### Source

Updated with settlement posting and issued with daily data.

#### 33.5.3 Primary Key Columns

Name
APCID
VERSIONNO

#### 33.5.4 Index Columns

Name
LASTCHANGED

#### 33.5.5 Content

Name	Data Type	Mandatory	Comment
APCID	varchar(10)	X	APC Identifier
VERSIONNO	numeric(3,0)	X	Version number
AUTHORISEDBY	varchar(10)		Authorised by
AUTHORISEDDATE	datetime		Authorised date
LASTCHANGED	datetime		Last date and time record changed

## 33.6 Table: BILLADJUSTMENTS

### 33.6.1 BILLADJUSTMENTS

Name BILLADJUSTMENTS  
 Comment

### 33.6.2 Description

BILLADJUSTMENTS is confidential, and is available only to the relevant participant.

#### Source

Ad hoc

### 33.6.3 Primary Key Columns

Name  
 ADJBILLRUNNO  
 ADJCONTRACTYEAR  
 ADJWEEKNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 33.6.4 Index Columns

Name  
 LASTCHANGED

### 33.6.5 Index Columns

Name  
 PARTICIPANTID

### 33.6.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	
BILLRUNNO	numeric(3,0)		The sequential number of a billing run
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PARTICIPANTTYPE	varchar(10)		Participant type Generator/Customer
ADJCONTRACTYEAR	numeric(4,0)	X	The contract year of the new revised billing run for this adjustment
ADJWEEKNO	numeric(3,0)	X	Week number of the new revised billing run for this adjustment
ADJBILLRUNNO	numeric(3,0)	X	Billing run number of the new revised billing run for this adjustment
PREVAMOUNT	numeric(16,6)		Prior account
ADJAMOUNT	numeric(16,6)		The total bill figure for the new revised billing run
LASTCHANGED	datetime		
LRS	numeric(15,5)		

PRS	numeric(15,5)		
OFS	numeric(15,5)		
IRN	numeric(15,5)		Interest rate applying to the new amount
IRP	numeric(15,5)		Interest rate applying to the principal amount
INTERESTAMOUNT	numeric(15,5)		The total interest payable for this adjustment

### 33.7 Table: BILLING\_CSP\_DEROGATION\_AMOUNT

#### 33.7.1 BILLING\_CSP\_DEROGATION\_AMOUNT

Name	BILLING_CSP_DEROGATION_AMOUNT
Comment	CSP derogation amounts with respect to participant allocated payment

#### 33.7.2 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.

#### 33.7.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 33.7.4 Primary Key Columns

Name  
 AMOUNT\_ID  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

#### 33.7.5 Index Columns

Name  
 LASTCHANGED

#### 33.7.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4)	X	Billing contract year
WEEKNO	numeric(3)	X	Billing week number
BILLRUNNO	numeric(3)	X	Billing run number
PARTICIPANTID	varchar(10)	X	The participant allocated the payment amount for the derogation
AMOUNT_ID	varchar(20)	X	Amount identifier represented as a string, from "ta1" through to "ta6" (or "ta8" for a lymmco derogation result)
DEROGATION_AMOUNT	numeric(18,8)		Derogation amount associated with the amount identifier
LASTCHANGED	datetime		Last changed date for the record

## 33.8 Table: BILLINGCPSUM

### 33.8.1 BILLINGCPSUM

Name	BILLINGCPSUM
Comment	BILLINGCPSUM shows adjustments for a billing run by participant.

### 33.8.2 Description

BILLINGCPSUM data is confidential to the relevant participant.

#### Source

Weekly update with billing run.

### 33.8.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
PARTICIPANTTYPE
WEEKNO

### 33.8.4 Index Columns

Name
LASTCHANGED

### 33.8.5 Index Columns

Name
PARTICIPANTID

### 33.8.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PARTICIPANTTYPE	varchar(10)	X	Participant type Generator/Customer
PREVIOUSAMOUNT	numeric(16,6)		Previous amount billed
ADJUSTEDAMOUNT	numeric(16,6)		Adjusted amount billed
ADJUSTMENTWEEKNO	numeric(3,0)		Week no of adjustment
ADJUSTMENTRUNNO	numeric(3,0)		Run no of adjustment
LASTCHANGED	datetime		Last date and time record changed

### 33.9 Table: BILLINGCUSTEXCESSGEN

#### 33.9.1 BILLINGCUSTEXCESSGEN

Name	BILLINGCUSTEXCESSGEN
Comment	BILLINGCUSTEXCESSGEN shows excess generation payments for each participant cutover.

#### 33.9.2 Description

##### Source

Obsolete; was updated with relevant settlement runs.

#### 33.9.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 33.9.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 WEEKNO

#### 33.9.5 Index Columns

Name  
 LASTCHANGED

#### 33.9.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
PERIODID	numeric(3,0)	X	Half hourly trading period that excess generation is for
EXCESSGENPAYMENT	numeric(16,6)		Payment by Customer for Excess Generation
LASTCHANGED	datetime		Last date and time record changed
REGIONID	varchar(10)	X	Region Identifier

## 33.10 Table: BILLINGEXCESSGEN

### 33.10.1 BILLINGEXCESSGEN

Name	BILLINGEXCESSGEN
Comment	BILLINGEXCESSGEN shows the excess generation cost by period for each participant.

### 33.10.2 Description

#### Source

Obsolete; was updated weekly with each billing run.

### 33.10.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.10.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 WEEKNO

### 33.10.5 Index Columns

Name  
 LASTCHANGED

### 33.10.6 Index Columns

Name  
 PARTICIPANTID

### 33.10.7 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
SETTLEMENTDATE	datetime	X	Calendar settlement date record becomes effective
PERIODID	numeric(3,0)	X	Settlement interval within the settlement

			date (1-48) starting at 00:30
EXCESSENERGYCOST	numeric(15,5)		Cost of excess energy attributed to this customer
LASTCHANGED	datetime		Last date and time record changed
REGIONID	varchar(10)	X	Region Identifier

## 33.11 Table: BILLINGINTERVENTION

### 33.11.1 BILLINGINTERVENTION

Name	BILLINGINTERVENTION
Comment	BILLINGINTERVENTION shows billing intervention recovery details.

### 33.11.2 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.

### 33.11.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.11.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 33.11.5 Index Columns

Name  
 LASTCHANGED

### 33.11.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
MARKETINTERVENTION	numeric(15,5)		Intervention Amounts paid to Generator for Market Recovery for region
TOTALINTERVENTION	numeric(15,5)		Total Intervention Amounts paid to Generator
LASTCHANGED	datetime		Last date and time record changed

## 33.12 Table: BILLINGINTERVENTIONREGION

### 33.12.1 BILLINGINTERVENTIONREGION

Name	BILLINGINTERVENTIONREGION
Comment	BILLINGINTERVENTIONREGION shows recovery charges for region intervention.

### 33.12.2 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.

### 33.12.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.12.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 33.12.5 Index Columns

Name  
 LASTCHANGED

### 33.12.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
REGIONID	varchar(10)	X	Region ID
REGIONINTERVENTION	numeric(15,5)		Recovery amount for that region
LASTCHANGED	datetime		Last changed date

### 33.13 Table: BILLINGRESERVERECOVERY

#### 33.13.1 BILLINGRESERVERECOVERY

Name	BILLINGRESERVERECOVERY
Comment	BILLINGRESERVERECOVERY shows Market Reserve recovery details for each participant in a bill run.

#### 33.13.2 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.

#### 33.13.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 33.13.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
WEEKNO

#### 33.13.5 Index Columns

Name
LASTCHANGED

#### 33.13.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
MARKETRESERVE	numeric(15,5)		Amount Retailer pays for Reserve Trader Contracts with Market Recovery
LASTCHANGED	datetime		Last date and time record changed

### 33.14 Table: BILLINGRESERVEREGIONRECOVERY

#### 33.14.1 BILLINGRESERVEREGIONRECOVERY

Name	BILLINGRESERVEREGIONRECOVERY
Comment	BILLINGRESERVEREGIONRECOVERY shows Billing Region Reserve region recovery details for each participant (by region).

#### 33.14.2 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.

#### 33.14.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 33.14.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

#### 33.14.5 Index Columns

Name  
 LASTCHANGED

#### 33.14.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
REGIONID	varchar(10)	X	Region Identifier for region recovery.
REGIONRESERVE	numeric(15,5)		Amount Retailer pays for Reserve Trader Contracts with Region Recovery
LASTCHANGED	datetime		

### 33.15 Table: BILLINGRESERVETRADER

#### 33.15.1 BILLINGRESERVETRADER

Name	BILLINGRESERVETRADER
Comment	BILLINGRESERVETRADER shows Billing Market Reserve TRADER payment details to Generators.

#### 33.15.2 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.

#### 33.15.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 33.15.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

#### 33.15.5 Index Columns

Name  
 LASTCHANGED

#### 33.15.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
MARKETRESERVE	numeric(15,5)		Reserve Trader Amounts paid to Generator for Market Recovery
TOTALRESERVE	numeric(15,5)		Total Reserve Trader Amounts paid to Generator
LASTCHANGED	datetime		Last date and time record changed
TOTALCAPDIFFERENCE	numeric(15,5)		

## 33.16 Table: BILLINGRESERVETRADERREGION

### 33.16.1 BILLINGRESERVETRADERREGION

Name	BILLINGRESERVETRADERREGION
Comment	BILLINGRESERVETRADERREGION shows Billing Region Reserve Trader payment details.

### 33.16.2 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.

### 33.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.16.4 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
PARTICIPANTID
REGIONID
WEEKNO

### 33.16.5 Index Columns

Name
LASTCHANGED

### 33.16.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
REGIONID	varchar(10)	X	Region Identifier
REGIONRESERVE	numeric(15,5)		Reserve Trader Amounts paid to Generator for Region Recovery
LASTCHANGED	datetime		Last date and time record changed

## 33.17 Table: BILLINTERVENTIONRECOVERY

### 33.17.1 BILLINTERVENTIONRECOVERY

Name	BILLINTERVENTIONRECOVERY
Comment	BILLINTERVENTIONRECOVERY shows billing market intervention recovery details for each participant.

### 33.17.2 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.

### 33.17.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.17.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 WEEKNO

### 33.17.5 Index Columns

Name  
 LASTCHANGED

### 33.17.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
MARKETINTERVENTION	numeric(15,5)		Amount Retailer pays for Intervention with Market Recovery
LASTCHANGED	datetime		Last date and time record changed

## 33.18 Table: BILLINTERVENTIONREGIONRECOVERY

### 33.18.1 BILLINTERVENTIONREGIONRECOVERY

Name	BILLINTERVENTIONREGIONRECOVERY
Comment	BILLINTERVENTIONREGIONRECOVERY shows billing region intervention recovery details for each participant by region.

### 33.18.2 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.

### 33.18.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.18.4 Primary Key Columns

Name  
 BILLRUNNO  
 CONTRACTYEAR  
 PARTICIPANTID  
 REGIONID  
 WEEKNO

### 33.18.5 Index Columns

Name  
 LASTCHANGED

### 33.18.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	numeric(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	numeric(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
BILLRUNNO	numeric(3,0)	X	Unique run no within a given contract year and week no
PARTICIPANTID	varchar(10)	X	Unique participant identifier
REGIONID	varchar(10)	X	Region Identifier
REGIONINTERVENTION	numeric(15,5)		Amount retailer pays for intervention with Region Recovery
LASTCHANGED	datetime		Last date and time record changed

## 33.19 Table: BILLSMELTERRATE

### 33.19.1 BILLSMELTERRATE

Name	BILLSMELTERRATE
Comment	BILLSMELTERRATE is standing data, setting out the rates used in smelter reduction calculations.

### 33.19.2 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

### 33.19.3 Primary Key Columns

Name
CONTRACTYEAR
EFFECTIVEDATE
VERSIONNO

### 33.19.4 Index Columns

Name
LASTCHANGED

### 33.19.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Calendar settlement date record becomes effective
VERSIONNO	numeric(3,0)	X	Version no of the record for the given effective date
CONTRACTYEAR	numeric(22,0)	X	AEMO Contract Year number starting in week containing 1st January
RAR1	numeric(6,2)		Smelter rate 1
RAR2	numeric(6,2)		Smelter rate 2
AUTHORISEDDATE	datetime		Authorised date
AUTHORISEDBY	varchar(10)		Who authorised
LASTCHANGED	datetime		Last date and time record changed

## 33.20 Table: CONNECTIONPOINT

### 33.20.1 CONNECTIONPOINT

Name	CONNECTIONPOINT
Comment	CONNECTIONPOINT shows all valid connection points and their type. Transmission loss factors are available for all connection points in TRANSMISSIONLOSSFACTOR.

### 33.20.2 Description

CONNECTIONPOINT data is confidential to each relevant participant

#### Source

CONNECTIONPOINT updates for new connection points as required.

### 33.20.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.20.4 Primary Key Columns

Name	CONNECTIONPOINTID
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### 33.20.5 Index Columns

Name	LASTCHANGED
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### 33.20.6 Content

Name	Data Type	Mandatory	Comment
CONNECTIONPOINTID	varchar(10)	X	Connection Point Identifier
CONNECTIONPOINTNAME	varchar(80)		Connection point full description
CONNECTIONPOINTTYPE	varchar(20)		Connection point type. transmission, distribution, station, genunit, or interconnector
ADDRESS1	varchar(80)		Connection point location
ADDRESS2	varchar(80)		Connection point location
ADDRESS3	varchar(80)		Connection point location
ADDRESS4	varchar(80)		Not Used
CITY	varchar(40)		City
STATE	varchar(10)		State of Australia
POSTCODE	varchar(10)		Post Code
LASTCHANGED	datetime		Last date and time record changed

## 33.21 Table: CONNECTIONPOINTDETAILS

### 33.21.1 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.

### 33.21.2 Description

CONNECTIONPOINTDETAILS data is confidential to each participant included in details.

#### Source

CONNECTIONPOINTDETAILS updates periodically, such as for Transmission Loss Factor (TLF) changes

### 33.21.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.21.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE
VERSIONNO

### 33.21.5 Index Columns

Name
METERDATAPROVIDER
NETWORKSERVICEPROVIDER
FINRESPORGAN

### 33.21.6 Index Columns

Name
CONNECTIONPOINTID

### 33.21.7 Index Columns

Name
LASTCHANGED

### 33.21.8 Content

Name	Data Type	Mandatory	Comment

EFFECTIVEDATE	datetime	X	Effective date of record
VERSIONNO	numeric(3,0)	X	Version no of record for given effective date
CONNECTIONPOINTID	varchar(10)	X	Connection point identifier
REGIONID	varchar(10)		Region Identifier
TRANSMISSIONCPTID	varchar(10)		Associated transmission connection point id for a distribution connection point
METERDATAPROVIDER	varchar(10)		The MDA providing meter data for this connection point
TRANSMISSIONLOSSFACTOR	numeric(7,5)		The transmission level loss factor for this connection point
DISTRIBUTIONLOSSFACTOR	numeric(7,5)		The distribution level loss factor for a distribution connection point
NETWORKSERVICEPROVIDER	varchar(10)		The Network Service Provider
FINRESPORGAN	varchar(10)		Financially responsible organisation
NATIONALMETERINSTALLID	numeric(7,5)		National Meter Id
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed
INUSE	varchar(1)		Status flag.
LNSP	varchar(10)		Local Electricity Network Service Provider
MDA	varchar(10)		Metering Data Agent for connection point.
ROLR	varchar(10)		Retailer of last resort.
RP	varchar(10)		Responsible party.
AGGREGATEDDATA	varchar(1)		Aggregate flag.
VALID_TODATE	datetime		Date of validity.
LR	varchar(10)		Local Retailer

## 33.22 Table: CONNECTIONPOINTOPERATINGSTA

### 33.22.1 CONNECTIONPOINTOPERATINGSTA

Name	CONNECTIONPOINTOPERATINGSTA
Comment	CONNECTIONPOINTOPERATINGSTA shows whether a connection point is active or not.

### 33.22.2 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.

### 33.22.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.22.4 Primary Key Columns

Name
CONNECTIONPOINTID
EFFECTIVEDATE
VERSIONNO

### 33.22.5 Index Columns

Name
CONNECTIONPOINTID

### 33.22.6 Index Columns

Name
LASTCHANGED

### 33.22.7 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of record
VERSIONNO	numeric(3,0)	X	
CONNECTIONPOINTID	varchar(10)	X	Connection point identifier
OPERATINGSTATUS	varchar(16)		Active or inactive indicator
AUTHORISEDDATE	datetime		Date record authorised
AUTHORISEDBY	varchar(15)		User authorising record
LASTCHANGED	datetime		Last date and time record changed

### 33.23 Table: CONTRACTGOVERNOR

#### 33.23.1 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.	

#### 33.23.2 Description

Confidential to participant

#### Source

Not in Use - discontinued 30/09/2001: was updated only where there was a contract variation.

#### 33.23.3 Primary Key Columns

Name
CONTRACTID
VERSIONNO

#### 33.23.4 Index Columns

Name
LASTCHANGED

#### 33.23.5 Index Columns

Name
PARTICIPANTID

#### 33.23.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version No.
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Termination Date of Contract
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
CCPRICE	numeric(10,2)		Compensation Cap
LOWER60SECBREAKPOINT	numeric(9,6)		Limit Equation Lower 60 Second Breakpoint MW
LOWER60SECMAX	numeric(9,6)		Limit Equation Lower 60 Second Maximum MW

LOWER6SECBREAKPOINT	numeric(9,6)		Limit Equation Lower 6 Second Breakpoint MW
LOWER6SECMAX	numeric(9,6)		Limit Equation Lower 6 Second Maximum MW
RAISE60SECBREAKPOINT	numeric(9,6)		Limit Equation Raise 60 Second Breakpoint MW
RAISE60SECCAPACITY	numeric(9,6)		Limit Equation Raise 60 Second Capacity MW
RAISE60SECMAX	numeric(9,6)		Limit Equation Raise 60 Second Maximum MW
RAISE6SECBREAKPOINT	numeric(9,6)		Limit Equation Raise 6 Second Breakpoint MW
RAISE6SECCAPACITY	numeric(9,6)		Limit Equation Raise 6 Second Capacity MW
RAISE6SECMAX	numeric(9,6)		Limit Equation Raise 6 Second Maximum MW
PRICE6SECRAISEMANDATORY	numeric(16,6)		Not used
QUANT6SECRAISEMANDATORY	numeric(16,6)		Not used
PRICE6SECRAISECONTRACT	numeric(16,6)		Contract Price for 6 Second Raise
QUANT6SECRAISECONTRACT	numeric(16,6)		Contract Quantity for 6 Second Raise
PRICE60SECRAISEMANDATORY	numeric(16,6)		Not used
QUANT60SECRAISEMANDATORY	numeric(16,6)		Not used
PRICE60SECRAISECOTRACT	numeric(16,6)		Contract Price for 60 Second Raise
QUANT60SECRAISECOTRACT	numeric(16,6)		Contract Quantity for 60 Second Raise
PRICE6SECLOWERMANDATORY	numeric(16,6)		Not used
QUANT6SECLOWERMANDATORY	numeric(16,6)		Not used
PRICE6SECLOWERCOTRACT	numeric(16,6)		Contract Price for 6 Second Lower
QUANT6SECLOWERCOTRACT	numeric(16,6)		Contract Quantity for 6 Second Lower
PRICE60SECLOWERMANDATORY	numeric(16,6)		Not used
QUANT60SECLOWERMANDATORY	numeric(16,6)		Not used
PRICE60SECLOWERCOONTRACT	numeric(16,6)		Contract Price for 60 Second Lower
QUANT60SECLOWERCOONTRACT	numeric(16,6)		Contract Quantity for 60 Second Lower
DEADBANDUP	numeric(4,2)		Raise Deadband
DEADBANDDOWN	numeric(4,2)		Lower Deadband
DROOP6SECRAISEBREAKEPOINT	numeric(9,6)		Droop Equation Raise 6 Second Breakpoint
DROOP6SECRAISECAPACITY	numeric(9,6)		Droop Equation Raise 6 Second Capacity
DROOP6SECRAISEMAX	numeric(9,6)		Droop Equation Raise 6 Second Maximum
DROOP60SECRAISEBREAKPOINT	numeric(9,6)		Droop Equation Raise 60 Second Breakpoint
DROOP60SECRAISECAPACITY	numeric(9,6)		Droop Equation Raise 60 Second Capacity

DROOP60SECRAISEMAX	numeric(9,6)		Droop Equation Raise 60 Second Maximum
DROOP6SECLOWERBREAKPOINT	numeric(9,6)		Droop Equation Lower 6 Second Breakpoint
DROOP6SECLOWERMAX	numeric(9,6)		Droop Equation Lower 6 Second Maximum
DROOP60SECLOWERBREAKPOINT	numeric(9,6)		Droop Equation Lower 60 Second Breakpoint
DROOP60SECLOWERMAX	numeric(9,6)		Droop Equation Lower 60 Second Maximum
AUTHORISEDBY	varchar(15)		User Name
AUTHORISEDDATE	datetime		Date Contract was authorised
LASTCHANGED	datetime		Last date and time record changed

## 33.24 Table: CONTRACTRESERVEFLAG

### 33.24.1 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.

### 33.24.2 Description

CONTRACTRESERVEFLAG data is confidential to the relevant participant.

#### Source

CONTRACTRESERVEFLAG updates when we want to enter a reserve contract.

### 33.24.3 Primary Key Columns

Name
CONTRACTID
PERIODID
VERSIONNO

### 33.24.4 Index Columns

Name
LASTCHANGED

### 33.24.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Reserve Trader Contract Identifier
VERSIONNO	numeric(3,0)	X	Reserve Trader Contract Version
PERIODID	numeric(3,0)	X	Calendar settlement date period identifier, i.e. period 1 is 00:30
RCF	char(1)		Reserve Recovery Flag
LASTCHANGED	datetime		Last date and time record changed

## 33.25 Table: CONTRACTRESERVETHRESHOLD

### 33.25.1 CONTRACTRESERVETHRESHOLD

Name	CONTRACTRESERVETHRESHOLD
Comment	CONTRACTRESERVETHRESHOLD shows reserve contract threshold details for enabling, usage and availability thresholds and rates for reserve trader contracts.

### 33.25.2 Description

CONTRACTRESERVETHRESHOLD data is confidential to the relevant participant.

#### Source

CONTRACTRESERVETHRESHOLD updates when reserve contracts are first entered or updated.

### 33.25.3 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 33.25.4 Index Columns

Name
LASTCHANGED

### 33.25.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version
CRA	numeric(16,6)		Availability Rate \$
CRE	numeric(16,6)		Enabling Rate \$
CRU	numeric(16,6)		Usage Rate \$
CTA	numeric(16,6)		Availability Threshold MW/h
CTE	numeric(16,6)		Enabling Threshold MW/h
CTU	numeric(16,6)		Usage Threshold MW/h
AUTHORISEDBY	varchar(15)		User name
AUTHORISEDDATE	datetime		Date contract was authorised
LASTCHANGED	datetime		Last date and time record changed

## 33.26 Table: CONTRACTRESERVETRADER

### 33.26.1 CONTRACTRESERVETRADER

Name	CONTRACTRESERVETRADER
Comment	CONTRACTRESERVETRADER shows reserve trader contract details. Version numbers do not apply as contracts exist for specified purposes.

### 33.26.2 Description

CONTRACTRESERVETRADER data is confidential to the relevant participant.

#### Source

CONTRACTRESERVETRADER updates when reserve trader activities occur.

### 33.26.3 Primary Key Columns

Name	CONTRACTID
------	------------

### 33.26.4 Index Columns

Name	LASTCHANGED
------	-------------

### 33.26.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Reserve Trader Contract Identifier
DUID	varchar(10)		Dispatchable Unit ID
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Terminate Date of contract
STARTPERIOD	numeric(3,0)		Starting period of contract
ENDPERIOD	numeric(3,0)		Terminate period of contract based on calendar date.
DeregistrationDate	datetime		De-registration date of contract; Not Used
DeregistrationPeriod	numeric(3,0)		De-registration period of contract; Not Used
PARTICIPANTID	varchar(10)		Unique participant identifier
LASTCHANGED	datetime		Last date and time record changed
REGIONID	varchar(10)		Region Identifier

## 33.27 Table: CONTRACTUNITLOADING

### 33.27.1 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.	

### 33.27.2 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.

### 33.27.3 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 33.27.4 Index Columns

Name
LASTCHANGED

### 33.27.5 Index Columns

Name
PARTICIPANTID

### 33.27.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version No.
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Termination Date of Contract
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
RPRICE	numeric(10,2)		Enabling Price
SUPRICE	numeric(10,2)		Usage Price
CCPRICE	numeric(10,2)		Compensation Cap
ACR	numeric(10,2)		Available Control Range
BS	numeric(10,2)		Block Size of Unit
PP	numeric(10,2)		Estimated Price for supply
EU	numeric(10,2)		Estimated Power consumption of unit when enabled for RGUL

AUTHORISEDBY	varchar(15)		User Name
AUTHORISEDDATE	datetime		Date Contract was authorised
LASTCHANGED	datetime		Last date and time record changed

## 33.28 Table: CONTRACTUNITUNLOADING

### 33.28.1 CONTRACTUNITUNLOADING

Name	CONTRACTUNITUNLOADING
Comment	CONTRACTUNITUNLOADING shows Ancillary Service contract data for rapid generator unit unloading.

### 33.28.2 Description

CONTRACTUNITUNLOADING data is confidential to relevant participants.

#### Source

CONTRACTUNITUNLOADING updates only where there is a contract variation.

### 33.28.3 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 33.28.4 Index Columns

Name
PARTICIPANTID

### 33.28.5 Index Columns

Name
LASTCHANGED

### 33.28.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Identifier
VERSIONNO	numeric(3,0)	X	Contract Version No.
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Termination Date of Contract
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
RPRICE	numeric(10,2)		Enabling Price
SUPRICE	numeric(10,2)		Usage Price
CCPRICE	numeric(10,2)		Compensation Cap
AUTHORISEDBY	varchar(15)		User Name
AUTHORISEDDATE	datetime		Date Contract was Authorised
LASTCHANGED	datetime		Last date and time record changed

## 33.29 Table: DAYOFFER

### 33.29.1 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.	

### 33.29.2 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).

### 33.29.3 Primary Key Columns

Name
DUID
OFFERDATE
SETTLEMENTDATE
VERSIONNO

### 33.29.4 Index Columns

Name
LASTCHANGED

### 33.29.5 Index Columns

Name
DUID
LASTCHANGED

### 33.29.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:00am
DUID	varchar(10)	X	Dispatchable unit identifier
VERSIONNO	numeric(3,0)	X	Version no. for given offer date
OFFERDATE	datetime	X	Offer date of data
SELFCOMMITFLAG	varchar(1)		Not used
DAILYENERGYCONSTR	numeric(12,6)		Maximum energy available from Energy Constrained Plant.
AINT			
ENTRYTYPE	varchar(20)		Daily or Rebid
CONTINGENCYPRICE	numeric(9,2)		Not used
REBIDEXPLANATION	varchar(64)		Explanation for all rebids and inflexibilities
BANDQUANTISATIONID	numeric(2,0)		Not used
PRICEBAND1	numeric(9,2)		Price for Availability Band 1
PRICEBAND2	numeric(9,2)		Price for Availability Band 2
PRICEBAND3	numeric(9,2)		Price for Availability Band 3
PRICEBAND4	numeric(9,2)		Price for Availability Band 4

PRICEBAND5	numeric(9,2)		Price for Availability Band 5
PRICEBAND6	numeric(9,2)		Price for Availability Band 6
PRICEBAND7	numeric(9,2)		Price for Availability Band 7
PRICEBAND8	numeric(9,2)		Price for Availability Band 8
PRICEBAND9	numeric(9,2)		Price for Availability Band 9
PRICEBAND10	numeric(9,2)		Price for Availability Band 10
MAXRAMPUP	numeric(9,2)		Not used
MAXRAMPDOWN	numeric(9,2)		Not used
MINIMUMLOAD	numeric(6,0)		Minimum MW load fast start plant in MW
T1	numeric(6,0)		Time to synchronise in minutes
T2	numeric(6,0)		Time to minimum load in minutes
T3	numeric(6,0)		Time at minimum load in minutes
T4	numeric(6,0)		Time to shutdown in minutes
NORMALSTATUS	varchar(3)		ON/OFF for loads
LASTCHANGED	datetime		Last date and time record changed
MR_FACTOR	numeric(16,6)		Mandatory Restriction Price Scaling Factor

### 33.30 Table: DAYOFFER\_D

#### 33.30.1 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.	

#### 33.30.2 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).

#### 33.30.3 Primary Key Columns

Name
DUID
OFFERDATE
SETTLEMENTDATE
VERSIONNO

#### 33.30.4 Index Columns

Name
LASTCHANGED

#### 33.30.5 Index Columns

Name
DUID
LASTCHANGED

#### 33.30.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:00am
DUID	varchar(10)	X	Dispatchable unit identifier
VERSIONNO	numeric(3,0)	X	Version no. for given offer date
OFFERDATE	datetime	X	Offer date of data
SELFCOMMITFLAG	varchar(1)		Not used
DAILYENERGYCONSTR	numeric(12,6)		Maximum energy available from Energy Constrained Plant.
AINT			
ENTRYTYPE	varchar(20)		Daily or Rebid
CONTINGENCYPRICE	numeric(9,2)		Not used
REBIDEXPLANATION	varchar(64)		Explanation for all rebids and inflexibilities
BANDQUANTISATIONID	numeric(2,0)		Not used
PRICEBAND1	numeric(9,2)		Price for Availability Band 1
PRICEBAND2	numeric(9,2)		Price for Availability Band 2
PRICEBAND3	numeric(9,2)		Price for Availability Band 3

PRICEBAND4	numeric(9,2)		Price for Availability Band 4
PRICEBAND5	numeric(9,2)		Price for Availability Band 5
PRICEBAND6	numeric(9,2)		Price for Availability Band 6
PRICEBAND7	numeric(9,2)		Price for Availability Band 7
PRICEBAND8	numeric(9,2)		Price for Availability Band 8
PRICEBAND9	numeric(9,2)		Price for Availability Band 9
PRICEBAND10	numeric(9,2)		Price for Availability Band 10
MAXRAMPUP	numeric(9,2)		Not used
MAXRAMPDOWN	numeric(9,2)		Not used
MINIMUMLOAD	numeric(6,0)		Minimum MW load fast start plant in MW
T1	numeric(6,0)		Time to synchronise in minutes
T2	numeric(6,0)		Time to minimum load in minutes
T3	numeric(6,0)		Time at minimum load in minutes
T4	numeric(6,0)		Time to shutdown in minutes
NORMALSTATUS	varchar(3)		ON/OFF for loads
LASTCHANGED	datetime		Last date and time record changed
MR_FACTOR	numeric(6,0)		Mandatory Restriction Price Scaling Factor

### 33.31 Table: DEFAULTDAYOFFER

#### 33.31.1 DEFAULTDAYOFFER

Name	DEFAULTDAYOFFER
Comment	DEFAULTDAYOFFER shows day-based details of participants' default bids unit for the same day.

#### 33.31.2 Description

##### Source

Obsolete; was updated only when participant changed their default bid.

#### 33.31.3 Primary Key Columns

Name
DUID
SETTLEMENTDATE
VERSIONNO

#### 33.31.4 Index Columns

Name
LASTCHANGED

#### 33.31.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:30
DUID	varchar(10)	X	Dispatchable unit Identifier
VERSIONNO	numeric(3,0)	X	Version No for given offer date
SELCOMMITFLAG	varchar(1)		Not used
DAILYENERGYCONSTR	numeric(12,6)		Maximum energy available from Energy Constrained Plant.
AINT			
ENTRYTYPE	varchar(20)		Daily or Rebid
CONTINGENCYPRICE	numeric(9,2)		Not used
REBIDEXPLANATION	varchar(64)		Explanation for all rebids and inflexibilities
BANDQUANTISATIONID	numeric(2,0)		Not used
PRICEBAND1	numeric(9,2)		Price for Availability Band 1
PRICEBAND2	numeric(9,2)		Price for Availability Band 2
PRICEBAND3	numeric(9,2)		Price for Availability Band 3
PRICEBAND4	numeric(9,2)		Price for Availability Band 4
PRICEBAND5	numeric(9,2)		Price for Availability Band 5
PRICEBAND6	numeric(9,2)		Price for Availability Band 6
PRICEBAND7	numeric(9,2)		Price for Availability Band 7
PRICEBAND8	numeric(9,2)		Price for Availability Band 8
PRICEBAND9	numeric(9,2)		Price for Availability Band 9
PRICEBAND10	numeric(9,2)		Price for Availability Band 10
MAXRAMPUP	numeric(9,2)		Not used
MAXRAMPDOWN	numeric(9,2)		Not used
MINIMUMLOAD	numeric(6,0)		Minimum stable load
T1	numeric(6,0)		Time to synchronise in minutes

T2	numeric(6,0)		Time to minimum load in minutes
T3	numeric(6,0)		Time at minimum load in minutes
T4	numeric(6,0)		Time to shut down in minutes
LASTCHANGED	datetime		Last date and time record changed

### 33.32 Table: DEFAULTOFFERTRK

#### 33.32.1 DEFAULTOFFERTRK

Name	DEFAULTOFFERTRK
Comment	DEFAULTOFFERTRK shows the file names of default offers submitted for each unit.

#### 33.32.2 Description

##### Source

Obsolete; was updated only when participant changed their default bid.

#### 33.32.3 Primary Key Columns

Name
DUID
EFFECTIVEDATE
VERSIONNO

#### 33.32.4 Index Columns

Name
LASTCHANGED

#### 33.32.5 Content

Name	Data Type	Mandatory	Comment
DUID	varchar(10)	X	Dispatchable Unit Identifier
EFFECTIVEDATE	datetime	X	Market date default offer file is effective
VERSIONNO	numeric(3,0)	X	Version no of file for this date
FILENAME	varchar(40)		Load File identifier
AUTHORISEDBY	varchar(15)		User authorising record
AUTHORISEDDATE	datetime		Date record authorised
LASTCHANGED	datetime		Last date and time record changed

### 33.33 Table: DEFAULTPEROFFER

#### 33.33.1 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.

#### 33.33.2 Description

##### Source

Obsolete; was updated only when participant changes their default bid.

#### 33.33.3 Primary Key Columns

Name
DUID
PERIODID
SETTLEMENTDATE
VERSIONNO

#### 33.33.4 Index Columns

Name
LASTCHANGED

#### 33.33.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:30
DUID	varchar(10)	X	Dispatchable Unit Identifier
PERIODID	numeric(3,0)	X	Market data. Trading Interval number
VERSIONNO	numeric(3,0)	X	Version no of the offer file.
SELFDISPATCH	numeric(9,6)		Not used
MAXAVAIL	numeric(12,6)		Maximum planned availability MW
FIXEDLOAD	numeric(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	numeric(6,0)		Rate of change up MW/min
ROCDOWN	numeric(6,0)		Rate of change down MW/min
LASTCHANGED	datetime		Last date and time record changed
BANDAVAIL1	numeric(6,0)		Availability at price band 1
BANDAVAIL2	numeric(6,0)		Availability at price band 2
BANDAVAIL3	numeric(6,0)		Availability at price band 3
BANDAVAIL4	numeric(6,0)		Availability at price band 4
BANDAVAIL5	numeric(6,0)		Availability at price band 5
BANDAVAIL6	numeric(6,0)		Availability at price band 6
BANDAVAIL7	numeric(6,0)		Availability at price band 7
BANDAVAIL8	numeric(6,0)		Availability at price band 8
BANDAVAIL9	numeric(6,0)		Availability at price band 9
BANDAVAIL10	numeric(6,0)		Availability at price band 10

PASAABILITY	numeric(12,0)		The physical plant capability including any capability potentially available within 24 hours.
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### 33.34 Table: DELTAMW

#### 33.34.1 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.

#### 33.34.2 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

#### 33.34.3 Primary Key Columns

Name
PERIODID
REGIONID
SETTLEMENTDATE
VERSIONNO

#### 33.34.4 Index Columns

Name
LASTCHANGED

#### 33.34.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:30
VERSIONNO	numeric(3,0)	X	Version No of record for this date
REGIONID	varchar(10)	X	Differentiates this region from all other regions
PERIODID	numeric(2,0)	X	Market trading interval from 1 to 48 starting at 04:30
DELTAMW	numeric(6,0)		Not Used
LOWER5MIN	numeric(6,0)		Lower 5 min local share requirement
LOWER60SEC	numeric(6,0)		Lower 60 sec local share requirement
LOWER6SEC	numeric(6,0)		Lower 6 sec local share requirement
RAISE5MIN	numeric(6,0)		Raise 5 minute local share requirement
RAISE60SEC	numeric(6,0)		Raise 60 sec local share requirement
RAISE6SEC	numeric(6,0)		Raise 6 sec local share requirement

LASTCHANGED	datetime	Last date and time record changed
RAISEREG	numeric(6,0)	Raise Regulation local share requirement
LOWERREG	numeric(6,0)	Lower Regulation local share requirement

### 33.35 Table: DISPATCHBIDTRK

#### 33.35.1 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.

#### 33.35.2 Primary Key Columns

Name  
 DUID  
 OFFEREFFECTIVEDATE  
 OFFERVERSIONNO  
 RUNNO  
 SETTLEMENTDATE

#### 33.35.3 Index Columns

Name  
 LASTCHANGED

#### 33.35.4 Index Columns

Name  
 DUID  
 LASTCHANGED

#### 33.35.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no from 1 to 288 (as per bid)
OFFEREFFECTIVEDATE	datetime	X	Effective date of offer used
OFFERVERSIONNO	numeric(3,0)	X	Version no of offer used
DUID	varchar(10)	X	Dispatchable unit identifier
BIDTYPE	varchar(10)		Bid type (daily, default or rebid)
LASTCHANGED	datetime		Last date and time record changed

### 33.36 Table: DISPATCHCASE\_OCD

#### 33.36.1 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.

#### 33.36.2 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.

#### 33.36.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 33.36.4 Primary Key Columns

Name  
 RUNNO  
 SETTLEMENTDATE

#### 33.36.5 Index Columns

Name  
 LASTCHANGED

#### 33.36.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	End date and time of the dispatch interval
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
LASTCHANGED	datetime		Last date and time record changed

### 33.37 Table: DISPATCHCASESOLUTION\_BNC

#### 33.37.1 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.

#### 33.37.2 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.

#### 33.37.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 33.37.4 Primary Key Columns

Name  
INTERVENTION  
RUNNO  
SETTLEMENTDATE

#### 33.37.5 Index Columns

Name  
LASTCHANGED

### 33.37.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	End date and time of the dispatch interval
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
INTERVENTION	numeric(2,0)	X	Manual intervention flag
CASESUBTYPE	varchar(3)		always BNC
SOLUTIONSTATUS	numeric(2,0)		If non-zero indicated one of the following conditions: * 1 = Supply Scarcity, Excess generation or constraint violations * X = Model failure
SPDVERSION	numeric(10,3)		Current version of SPD
STARTPERIOD	varchar(20)		Period identifier of first interval of the case (yyyymmddppp)
NONPHYSICALLOSSES	numeric(1,0)		Non-Physical Losses algorithm invoked occurred during this run
TOTALOBJECTIVE	numeric(27,10)		The Objective function from the LP
TOTALAREAGENVIOLATION	numeric(15,5)		Total Region Demand violations
TOTALINTERCONNECTORVIOLATION	numeric(15,5)		Total interconnector violations
TOTALGENERICVIOLATION	numeric(15,5)		Total generic constraint violations
TOTALRAMPRATEVIOLATION	numeric(15,5)		Total ramp rate violations
TOTALUNITMWCAPACITYVIOLATION	numeric(15,5)		Total unit capacity violations
TOTAL5MINVIOLATION	numeric(15,5)		Total of 5 minute ancillary service region violations
TOTALREGVIOLATION	numeric(15,5)		Total of Regulation ancillary service region violations
TOTAL6SECVIOLATION	numeric(15,5)		Total of 6 second ancillary service region violations
TOTAL60SECVIOLATION	numeric(15,5)		Total of 60 second ancillary service region violations
TOTALENERGYCONSTRAINTVIOLATION	numeric(15,5)		
TOTALENERGYOFFERVIOLATION	numeric(15,5)		Total of unit summated offer band violations
TOTALASPROFILEVIOLATION	numeric(15,5)		Total of ancillary service trader profile violations
TOTALFASTSTARTVIOLATION	numeric(15,5)		Total of fast start trader profile violations
LASTCHANGED	datetime		Last date and time record changed

### 33.38 Table: DISPATCHLOAD\_BNC

#### 33.38.1 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.

#### 33.38.2 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

#### 33.38.3 Notes

Name Visibility	Comment Data in this table is:	Value Private; Public Next-Day
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#### 33.38.4 Primary Key Columns

Name
DUID

INTERVENTION  
RUNNO  
SETTLEMENTDATE

### 33.38.5 Index Columns

Name  
LASTCHANGED

### 33.38.6 Index Columns

Name  
DUID  
LASTCHANGED

### 33.38.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	End date and time of the dispatch interval
RUNNO	numeric(3,0)	X	Dispatch run no; always 1
DUID	varchar(10)	X	Dispatchable unit identifier
INTERVENTION	numeric(2,0)	X	Intervention flag if intervention run
CONNECTIONPOINTID	varchar(12)		Connection point identifier for DUID
DISPATCHMODE	numeric(2,0)		Dispatch mode for fast start plant (0 to 4).
TOTALCleared	numeric(15,5)		Target MW for end of period
RAISEREG	numeric(15,5)		Raise Regulation reserve target
RAISE5MIN	numeric(15,5)		Raise 5 min reserve target
RAISE60SEC	numeric(15,5)		Raise 60 sec reserve target
RAISE6SEC	numeric(15,5)		Raise 6 sec reserve target
LOWERREG	numeric(15,5)		Lower Regulation reserve target
LOWER5MIN	numeric(15,5)		Lower 5 min reserve target
LOWER60SEC	numeric(15,5)		Lower 60 sec reserve target
LOWER6SEC	numeric(15,5)		Lower 6 sec reserve target
RAISEREGFLAGS	numeric(3,0)		Raise Reg status flag
RAISE5MINFLAGS	numeric(3,0)		Raise 5min status flag
RAISE60SECFLAGS	numeric(3,0)		Raise 60sec status flag
RAISE6SECFLAGS	numeric(3,0)		Raise 6sec status flag
LOWERREGFLAGS	numeric(3,0)		Lower Reg status flag
LOWER5MINFLAGS	numeric(3,0)		Lower 5min status flag
LOWER60SECFLAGS	numeric(3,0)		Lower 60sec status flag
LOWER6SECFLAGS	numeric(3,0)		Lower 6sec status flag
LASTCHANGED	datetime		Last date and time record changed

### 33.39 Table: DISPATCHTRK

#### 33.39.1 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.

#### 33.39.2 Description

This is a public table, and is available to all participants.

#### Source

No longer used; discontinued 30/09/2001

#### 33.39.3 Primary Key Columns

Name
RUNNO
SETTLEMENTDATE

#### 33.39.4 Index Columns

Name
LASTCHANGED

#### 33.39.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date and time starting at 04:05
RUNNO	numeric(3,0)	X	Dispatch run no, normally 1.
REASON	varchar(64)		Reason code (if rerun)
SPDRUNNO	numeric(3,0)		Case identifier for LP Solver
LASTCHANGED	datetime		Last date and time record changed

## 33.40 Table: FORCEMAJEURE

### 33.40.1 FORCEMAJEURE

Name	FORCEMAJEURE
Comment	FORCEMAJEURE used to set out the start and end dates / periods of any force majeure event. FORCEMAJEURE is not used.

### 33.40.2 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.

### 33.40.3 Primary Key Columns

Name
FMID

### 33.40.4 Index Columns

Name
LASTCHANGED

### 33.40.5 Content

Name	Data Type	Mandatory	Comment
FMID	varchar(10)	X	Force Majeure Identifier
STARTDATE	datetime		Start Date for this event
STARTPERIOD	numeric(3,0)		Start Trading Interval for event
ENDDATE	datetime		End Date for this event
ENDPERIOD	numeric(3,0)		End Trading Interval for this event
APCSTARTDATE	datetime		APC Start Date
STARTAUTHORISEDBY	varchar(15)		User authorising start
ENDAUTHORISEDBY	varchar(15)		User authorising end of event
LASTCHANGED	datetime		Last date and time record changed

## 33.41 Table: FORCEMAJEUREREGION

### 33.41.1 FORCEMAJEUREREGION

Name	FORCEMAJEUREREGION
Comment	FORCEMAJEUREREGION used to set out regions impacted by a force majeure event. This table is not used.

### 33.41.2 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.

### 33.41.3 Primary Key Columns

Name
FMID
REGIONID

### 33.41.4 Index Columns

Name
LASTCHANGED

### 33.41.5 Content

Name	Data Type	Mandatory	Comment
FMID	varchar(10)	X	Force Majeure ID
REGIONID	varchar(10)	X	Differentiates this region from all other regions
LASTCHANGED	datetime		Last date and time record changed

## 33.42 Table: GENUNITMTRINPERIOD

### 33.42.1 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.

### 33.42.2 Description

GENUNITMTRINPERIOD data is confidential to the relevant participant.

#### Source

GENUNITMTRINPERIOD updated only when new meter reading files are submitted by MDAs.

### 33.42.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.42.4 Primary Key Columns

Name  
 CONNECTIONPOINTID  
 LOCAL\_RETAILER  
 MDA  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.42.5 Index Columns

Name  
 LASTCHANGED

### 33.42.6 Index Columns

Name  
 STATIONID

### 33.42.7 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
SETTLEMENTDATE	datetime	X	Trading date of meter data submitted
VERSIONNO	numeric(6,0)	X	Version no of the record for the given effective date
CONNECTIONPOINTID	varchar(10)	X	Connection Point NMI
PERIODID	numeric(3,0)	X	Period number where 1 period ending 00:30 EST

GENUNITID	varchar(10)		Physical unit ID
STATIONID	varchar(10)		Station Identifier
IMPORTENERGYVALUE	numeric(16,6)		Energy sent to the pool (MWh)
EXPORTENERGYVALUE	numeric(16,6)		Energy received from the pool (MWh)
IMPORTREACTIVEVALUE	numeric(16,6)		Reactive power sent to the network
EXPORTREACTIVEVALUE	numeric(16,6)		Reactive power received from the network
LASTCHANGED	datetime		Last date and time record changed
MDA	varchar(10)	X	Relevant Metering Data Agent
LOCAL_RETAILER	varchar(10)	X	Local Retailer for this NMI

### 33.43 Table: INTCONTRACT

#### 33.43.1 INTCONTRACT

Name	INTCONTRACT
Comment	INTCONTRACT shows intervention contract details. These are specific to each intervention.

#### 33.43.2 Description

INTCONTRACT became unused when Ancillary Services Review was implemented in 2001.

Confidential to participant

#### Source

INTCONTRACT is unused; was updated as required.

#### 33.43.3 Primary Key Columns

Name	CONTRACTID
------	------------

#### 33.43.4 Index Columns

Name	LASTCHANGED
------	-------------

#### 33.43.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Intervention Contract Identifier
PARTICIPANTID	varchar(10)		Unique participant identifier
DUID	varchar(10)		Dispatchable Unit ID
STARTDATE	datetime		Starting Date of Contract
ENDDATE	datetime		Terminate Date of contract
STARTPERIOD	numeric(3,0)		Starting period of contract
ENDPERIOD	numeric(3,0)		Terminate period of contract in trading interval
DeregistrationDate	datetime		Not Used
DeregistrationPeriod	numeric(3,0)		Not Used
LASTCHANGED	datetime		Last changed date/time
REGIONID	varchar(10)		Region Identifier

## 33.44 Table: INTCONTRACTAMOUNT

### 33.44.1 INTCONTRACTAMOUNT

Name INTCONTRACTAMOUNT  
 Comment INTCONTRACTAMOUNT shows intervention contract amounts.

### 33.44.2 Description

INTCONTRACTAMOUNT became unused when Ancillary Services Review was implemented in 2001.

Confidential to participant

#### Source

INTCONTRACTAMOUNT updated with intervention contracts settlement calculations.

### 33.44.3 Primary Key Columns

Name  
 CONTRACTID  
 PERIODID  
 VERSIONNO

### 33.44.4 Index Columns

Name  
 LASTCHANGED

### 33.44.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Intervention Contract Identifier
VERSIONNO	numeric(3,0)	X	Intervention Contract Version
PERIODID	numeric(3,0)	X	Period Identifier based on calendar settlement date - YYYYMMDDPP.
AMOUNT	numeric(16,6)		Intervention Amount for Trading Interval
RCF	char(1)		Regional Recovery Flag
LASTCHANGED	datetime	X	Last date and time record changed

## 33.45 Table: INTCONTRACTAMOUNTTRK

### 33.45.1 INTCONTRACTAMOUNTTRK

Name	INTCONTRACTAMOUNTTRK
Comment	INTCONTRACTAMOUNTTRK shows the latest valid version of each intervention contract.

### 33.45.2 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.

### 33.45.3 Primary Key Columns

Name
CONTRACTID
VERSIONNO

### 33.45.4 Index Columns

Name
LASTCHANGED

### 33.45.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Intervention Contract Identifier
VERSIONNO	numeric(3,0)	X	Intervention Contract Version
AUTHORISEDBY	varchar(15)		User name
AUTHORISEDDATE	datetime		Date contract was authorised
LASTCHANGED	datetime		Last date and time record changed

## 33.46 Table: INTERCONNMWFLOW

### 33.46.1 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).

### 33.46.2 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.

### 33.46.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.46.4 Primary Key Columns

Name
INTERCONNECTORID
PERIODID
SETTLEMENTDATE
VERSIONNO

### 33.46.5 Index Columns

Name
LASTCHANGED

### 33.46.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date (based on Trading day, not dispatch day - i.e. period 1 ends 00:30)
VERSIONNO	numeric(6,0)	X	Meter Data Version number
INTERCONNECTORID	varchar(10)	X	Interconnector Identifier
PERIODID	numeric(3,0)	X	Settlement Period identifier (half hour)

			period)
IMPORTENERGYVALU E	numeric(15,6)		Imported Energy value (MWh)
EXPORTENERGYVALU E	numeric(15,6)		Exported Energy value (MWh)
LASTCHANGED	datetime		Record creation timestamp

## 33.47 Table: MARKETSUSPENSION

### 33.47.1 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.	

### 33.47.2 Description

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

### Source

MARKETSUSPENSION updates only if market is suspended.

### 33.47.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.47.4 Primary Key Columns

Name	SUSPENSIONID
------	--------------

### 33.47.5 Index Columns

Name	LASTCHANGED
------	-------------

### 33.47.6 Content

Name	Data Type	Mandatory	Comment
SUSPENSIONID	varchar(10)	X	Unique identifier for suspension
STARTDATE	datetime		Start date of suspension
STARTPERIOD	numeric(3,0)		Start trading interval of suspension
ENDDATE	datetime		End Date of suspension
ENDPERIOD	numeric(3,0)		End trading interval of suspension
REASON	varchar(64)		Reason for suspension
STARTAUTHORISEDBY	varchar(15)		User authorising start
ENDAUTHORISEDBY	varchar(15)		User authorising end
LASTCHANGED	datetime		Last date and time record changed

## 33.48 Table: MARKETSUSREGION

### 33.48.1 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.

### 33.48.2 Description

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

### Source

MARKETSUSREGION updates only if market is suspended.

### 33.48.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.48.4 Primary Key Columns

Name
REGIONID
SUSPENSIONID

### 33.48.5 Index Columns

Name
LASTCHANGED

### 33.48.6 Content

Name	Data Type	Mandatory	Comment
SUSPENSIONID	varchar(10)	X	Unique identifier of suspension
REGIONID	varchar(10)	X	Differentiates this region from all other regions
LASTCHANGED	datetime		Last date and time record changed

### 33.49 Table: MAS\_CP\_CHANGE

#### 33.49.1 MAS\_CP\_CHANGE

Name	MAS_CP_CHANGE
Comment	MAS_CP_CHANGE records pending changes to the current MAS configuration.

#### 33.49.2 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).

#### 33.49.3 Primary Key Columns

Name
NMI

#### 33.49.4 Index Columns

Name
LASTCHANGED

#### 33.49.5 Content

Name	Data Type	Mandatory	Comment
NMI	varchar(10)	X	National Metering Identifier
STATUS_FLAG	varchar(1)		Active/Inactive flag
CP_OLD_SECURITY_CODE	varchar(4)		Old Security Code
CP_NEW_SECURITY_CODE	varchar(4)		New Security Code
OLD_LOCAL_NETWORK_PROVIDER	varchar(10)		Old Local Network Provider
OLD_LOCAL_RETAILER	varchar(10)		Old Local Retailer
OLD_FINANCIAL_PARTICIPANT	varchar(10)		Old FRMP
OLD_METERING_DATA_AGENT	varchar(10)		Old Metering Data Agent
OLD_RETAILER_OF_LAST_RESORT	varchar(10)		Old Retailer of Last Resort

OLD_RESPONSIBLE_PERSON	varchar(10)		Old Responsible Person
NEW_LOCAL_NETWORK_PROVIDER	varchar(10)		New Local Network Provider
NEW_LOCAL_RETAILER	varchar(10)		New Local Retailer
NEW_FINANCIAL_PARTICIPANT	varchar(10)		New FRMP
NEW_METERING_DATA_AGENT	varchar(10)		New Metering Data Agent
NEW_RETAILER_OF_LAST_RESORT	varchar(10)		New Retailer of Last Resort
NEW_RESPONSIBLE_PERSON	varchar(10)		New Responsible Person
OLD_LNSP_OK	varchar(1)		Old LNSP approval flag
OLD_LR_OK	varchar(1)		Old LR approval flag
OLD_FRMP_OK	varchar(1)		Old FRMP approval flag
OLD_MDA_OK	varchar(1)		Old MDA approval flag
OLD_ROLR_OK	varchar(1)		Old ROLR approval flag
OLD_RP_OK	varchar(1)		Old RP approval flag
NEW_LNSP_OK	varchar(1)		New LNSP approval flag
NEW_LR_OK	varchar(1)		New LR approval flag
NEW_FRMP_OK	varchar(1)		New FRMP approval flag
NEW_MDA_OK	varchar(1)		New MDA approval flag
NEW_ROLR_OK	varchar(1)		New ROLR approval flag
NEW_RP_OK	varchar(1)		New RP approval flag
PRUDENTIAL_OK	varchar(1)		Prudential check flag
INITIAL_CHANGE_DATE	datetime		Initial change date
CURRENT_CHANGE_DATE	datetime		Current change date
CP_NAME	varchar(30)		Connection point name
CP_DETAIL_1	varchar(30)		Connection point detail 1
CP_DETAIL_2	varchar(30)		Connection point detail 2
CITY_SUBURB	varchar(30)		Connection point City/Suburb
STATE	varchar(3)		State of Australia
POST_CODE	varchar(4)		Connection point postcode
TX_NODE	varchar(4)		Connection point TNI
AGGREGATE_DATA	varchar(1)		Aggregate data Flag (Y/N)
AVERAGE_DAILY_LOAD_KWH	numeric(8,0)		Average Daily load in KWh
DISTRIBUTION_LOSS	numeric(5,4)		Distribution loss factors
OLD_LSNP_TEXT	varchar(30)		Old LNSP text field (LNSP misspelt in name)
OLD_LR_TEXT	varchar(30)		Old LR text field
OLD_FRMP_TEXT	varchar(30)		Old FRMP text field
OLD_MDA_TEXT	varchar(30)		Old MDA text field
OLD_ROLR_TEXT	varchar(30)		Old ROLR text field
OLD_RP_TEXT	varchar(30)		Old RP text field
NEW_LSNP_TEXT	varchar(30)		New LNSP text field (LNSP misspelt in name)
NEW_LR_TEXT	varchar(30)		New LR text field
NEW_FRMP_TEXT	varchar(30)		New FRMP text field
NEW_MDA_TEXT	varchar(30)		New MDA text field
NEW_ROLR_TEXT	varchar(30)		New ROLR text field
NEW_RP_TEXT	varchar(30)		New RP text field
LASTCHANGED	datetime		Last changed date.
NMI_CLASS	varchar(9)		Class of National Metering Identifier to allow for different business rules to apply

METERING_TYPE	varchar(9)	Type of metering installation (e.g. BASIC, MRIM, COMMS)
JURISDICTION	varchar(3)	Area; for application of rules
CREATE_DATE	datetime	Set by the system with today's date when the change record is created.
EXPIRY_DATE	datetime	Set by the system (and cannot be changed).
METER_READ_DATE	datetime	Date of meter reading

## 33.50 Table: MAS\_CP\_MASTER

### 33.50.1 MAS\_CP\_MASTER

Name	MAS_CP_MASTER
Comment	MAS_CP_MASTER shows the current MAS configuration.

### 33.50.2 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

### 33.50.3 Primary Key Columns

Name  
NMI  
VALID\_FROM\_DATE

### 33.50.4 Primary Key Columns

Name  
NMI  
VALID\_TO\_DATE

### 33.50.5 Index Columns

Name  
LASTCHANGED

### 33.50.6 Content

Name	Data Type	Mandatory	Comment
NMI	varchar(10)	X	National Metering Identifier
CP_SECURITY_CODE	varchar(4)		Security Code
IN_USE	varchar(1)		Active/Inactive Status flag (NEW/N/Y/X)
VALID_FROM_DATE	datetime	X	Record valid from date
VALID_TO_DATE	datetime	X	Record valid to date
LOCAL_NETWORK_PROVIDER	varchar(10)		LNSP
LOCAL_RETAILER	varchar(10)		Local Retailer
FINANCIAL_PARTICIPANT	varchar(10)		FRMP
METERING_DATA_AGE	varchar(10)		MDA

NT			
RETAILER_OF_LAST_R ESORT	varchar(10)		ROLR
RESPONSIBLE_PERSO N	varchar(10)		Responsible Person
CP_NAME	varchar(30)		Connection point name
CP_DETAIL_1	varchar(30)		Connection point detail 1
CP_DETAIL_2	varchar(30)		Connection point detail 2
CITY_SUBURB	varchar(30)		Connection point city/suburb
STATE	varchar(3)		State of Australia
POST_CODE	varchar(4)		Connection point postcode
TX_NODE	varchar(4)		Connection point TNI
AGGREGATE_DATA	varchar(1)		Aggregate data flag (YIN)
AVERAGE_DAILY_LOA D_KWH	numeric(8,0)		Average daily load in KWh
DISTRIBUTION_LOSS	numeric(5,4)		Distribution loss factor
LNSP_TEXT	varchar(30)		LNSP text field (name has misspelt LNSP)
LR_TEXT	varchar(30)		LR text field
FRMP_TEXT	varchar(30)		FRMP text field
MDA_TEXT	varchar(30)		MDA text field
ROLR_TEXT	varchar(30)		ROLR text field
RP_TEXT	varchar(30)		RP text field
LASTCHANGED	datetime		Last changed date
NMI_CLASS	varchar(9)		
METERING_TYPE	varchar(9)		
JURISDICTION	varchar(3)		

## 33.51 Table: METERDATA

### 33.51.1 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.

### 33.51.2 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.

### 33.51.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.51.4 Primary Key Columns

Name  
 CONNECTIONPOINTID  
 HOSTDISTRIBUTOR  
 MDA  
 METERRUNNO  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE

### 33.51.5 Index Columns

Name  
 LASTCHANGED

### 33.51.6 Content

Name	Data Type	Mandatory	Comment
PARTICIPANTID	varchar(10)	X	Unique participant identifier
PERIODID	numeric(3,0)	X	Settlement period identifier (half hour period)
SETTLEMENTDATE	datetime	X	Settlement date
METERRUNNO	numeric(6,0)	X	Data version no
CONNECTIONPOINTID	varchar(10)	X	Transmission Node Identifier (TNI). Identifies a Transmission

			NetworkConnection Point.
IMPORTENERGYVALUE	numeric(9,6)		Imported energy value (MWh)
EXPORTENERGYVALUE	numeric(9,6)		Exported energy value (MWh)
IMPORTREACTIVEVALUE	numeric(9,6)		Not used
EXPORTREACTIVEVALUE	numeric(9,6)		Not used
HOSTDISTRIBUTOR	varchar(10)	X	Local Retailer participant identifier
LASTCHANGED	datetime		Last date and time record changed
MDA	varchar(10)	X	Defaults to MSATS

## 33.52 Table: METERDATA\_GEN\_DUID

### 33.52.1 METERDATA\_GEN\_DUID

Name	METERDATA_GEN_DUID
Comment	Recorded actual generation of non-scheduled units where SCADA data is available.

### 33.52.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.52.3 Primary Key Columns

Name  
 DUID  
 INTERVAL\_DATETIME

### 33.52.4 Index Columns

Name  
 LASTCHANGED

### 33.52.5 Content

Name	Data Type	Mandatory	Comment
INTERVAL_DATETIME	datetime	X	Timestamp of the recorded interval
DUID	varchar(10)	X	Unit ID
MWH_READING	numeric(18,8)		MW reading
LASTCHANGED	datetime		Timestamp of last record change

### 33.53 Table: METERDATATRK

#### 33.53.1 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.

#### 33.53.2 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.

#### 33.53.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 33.53.4 Primary Key Columns

Name  
 CONNECTIONPOINTID  
 HOSTDISTRIBUTOR  
 METERINGDATAAGENT  
 METERRUNNO  
 PARTICIPANTID  
 SETTLEMENTDATE

#### 33.53.5 Index Columns

Name  
 LASTCHANGED

#### 33.53.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement calendar date
METERRUNNO	numeric(6,0)	X	Meter data version number
PARTICIPANTID	varchar(10)	X	Participant identifier
FILENAME	varchar(40)		Meter file name (MSATS file name)
ACKFILENAME	varchar(40)		Not used
CONNECTIONPOINTID	varchar(10)	X	Transmission Node Identifier (TNI)
AUTHORISEDDATE	datetime		Date processed

AUTHORISEDBY	varchar(15)		Not used
METERINGDATAAGENT	varchar(10)	X	Defaults to MSATS
HOSTDISTRIBUTOR	varchar(10)	X	Local retailer participant identifier
LASTCHANGED	datetime		Last date and time record changed

## 33.54 Table: MTPASA\_CASE\_SET

### 33.54.1 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.	

### 33.54.2 Description

#### Source

Update weekly.

### 33.54.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.54.4 Primary Key Columns

Name
RUN_DATETIME
RUN_NO

### 33.54.5 Index Columns

Name
LASTCHANGED

### 33.54.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins. Generated from the solution file CASEID.
RUN_NO	numeric(3,0)	X	Unique run id. Generated from the solution file CASEID.
CASESETID	numeric(3,0)		Unique id to link a set of cases run from the same inputs
RUNTYPEID	numeric(1,0)		Unique id for type of run, being either
LASTCHANGED	datetime		Date the solution was loaded

## 33.55 Table: MTPASA\_CASESOLUTION

### 33.55.1 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.	

### 33.55.2 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).

### 33.55.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.55.4 Primary Key Columns

Name
RUN_DATETIME
RUN_NO

### 33.55.5 Index Columns

Name
LASTCHANGED

### 33.55.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins. Generated from the solution file caseid
RUN_NO	numeric(3,0)	X	Unique run id. Generated from the solution file caseid
PASAVERSION	varchar(10)		Version of the PASA solver used to solve

			this case
RESERVECONDITION	numeric(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	numeric(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	numeric(12,3)		Objective Function from the Capacity Adequacy run
CAPACITYOPTION	numeric(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	numeric(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	numeric(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	numeric(12,3)		The penalty for non-zero interconnector flow
LASTCHANGED	datetime		Date and time the record was created or modified
RUNTYPE	varchar(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	numeric(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	numeric(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	numeric(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	varchar(10)		Generation Availability to be used in Reliability LRC run (either PASA or MARKET)
OUTAGELRCCAPACITYOPTION	varchar(10)		Generation Availability to be used in Outage LRC run (either PASA or MARKET)
LORCAPACITYOPTION	varchar(10)		Generation Availability to be used in LOR run (either PASA or MARKET)
LORUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option
ReliabilityLRCUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option
OutageLRCUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option

## 33.56 Table: MTPASA\_CONSTRAINTSOLUTION

### 33.56.1 MTPASA\_CONSTRAINTSOLUTION

Name	MTPASA_CONSTRAINTSOLUTION
Comment	MTPASA_CONSTRAINTSOLUTION is obsolete from 2017 End of Year DM4.27 Release.
<p>The MTPASA_CONSTRAINTSOLUTION table holds the binding and violated constraint results from the capacity evaluation, including the RHS value.</p> <p>Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxxx tables become obsolete, replaced by MTPASA_xxx tables.</p>	

### 33.56.2 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.

### 33.56.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.56.4 Primary Key Columns

Name  
 CONSTRAINTID  
 DAY  
 ENERGYBLOCK  
 LDCBLOCK  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 33.56.5 Index Columns

Name  
 LASTCHANGED

### 33.56.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins

RUN_NO	numeric(3,0)	X	Unique run id. Generated from the solution file caseid
ENERGYBLOCK	datetime	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block
DAY	datetime	X	Day this solution is for. Generated from the solution file periodid
LDCBLOCK	numeric(3,0)	X	LDC block this solution is for. Generated from the solution file periodid
CONSTRAINTID	varchar(20)	X	The unique identifier for the constraint
CAPACITYRHS	numeric(12,2)		The RHS value in the capacity evaluation
CAPACITYMARGINALVALUE	numeric(12,2)		Capacity adequacy assessment marginal value; 0 if not binding
CAPACITYVIOLATIONDEGREE	numeric(12,2)		Capacity adequacy assessment violation degree; 0 if not violating
LASTCHANGED	datetime		Date the solution was loaded
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC

## 33.57 Table: MTPASA\_INTERCONNECTORSOLUTION

### 33.57.1 MTPASA\_INTERCONNECTORSOLUTION

Name	MTPASA_INTERCONNECTORSOLUTION
Comment	MTPASA_INTERCONNECTORSOLUTION is obsolete from 2017 End of Year DM4.27 Release.
<p>The MTPASA_INTERCONNECTORSOLUTION table shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the ldcblock within the day.</p> <p>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).</p>	

### 33.57.2 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).

### 33.57.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.57.4 Primary Key Columns

Name  
 DAY  
 ENERGYBLOCK  
 INTERCONNECTORID  
 LDCBLOCK  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 33.57.5 Index Columns

Name  
 LASTCHANGED

### 33.57.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins

RUN_NO	numeric(3,0)	X	Unique run id. Generated from the solution file caseid
ENERGYBLOCK	datetime	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block
DAY	datetime	X	Day this solution is for. Generated from the solution file periodid
LDCBLOCK	numeric(3,0)	X	LDC block this solution is for. Generated from the solution file periodid
INTERCONNECTORID	varchar(10)	X	The unique identifier for the interconnector
CAPACITYMWFLOW	numeric(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	numeric(12,2)		Capacity adequacy assessment marginal value; 0 if not binding
CAPACITYVIOLATIONDEGREE	numeric(12,2)		Capacity adequacy assessment violation degree, 0 if not violating; where CapacityMWFLow <= export + violation Degree (Deficit)CapacityMWFLow >= import + CapacityViolationDegree (Deficit)
CALCULATEDEXPORTLIMIT	numeric(12,2)		Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit
CALCULATEDIMPORTLIMIT	numeric(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	datetime		Date the solution was loaded
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
EXPORTLIMITCONSTRAINTID	varchar(20)		ID of the constraint that sets the Interconnector Export Limit
IMPORTLIMITCONSTRAINTID	varchar(20)		ID of the constraint that sets the Interconnector Import Limit

## 33.58 Table: MTPASA\_REGIONSOLUTION

### 33.58.1 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 Idcblock of the study.

### 33.58.2 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).

### 33.58.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.58.4 Primary Key Columns

Name  
 DAY  
 ENERGYBLOCK  
 LDCBLOCK  
 REGIONID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

### 33.58.5 Index Columns

Name  
 LASTCHANGED

### 33.58.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins
RUN_NO	numeric(3,0)	X	Unique run id. Generated from the solution file caseid
ENERGYBLOCK	datetime	X	Sunday at start of the week for this

			solutions energy block. Generated from the solution file energy block
DAY	datetime	X	Day this solution is for. Generated from the solution file periodid
LDCBLOCK	numeric(3,0)	X	LDC block this solution is for. Generated from the solution file periodid
REGIONID	varchar(10)	X	The unique region identifier
DEMAND10	numeric(12,2)		Input value for 10% probability demand
RESERVEREQ	numeric(12,2)		Not used from 21/05/2010. Prior to 21/05/2010: Input reserve requirement
CAPACITYREQ	numeric(12,2)		Not used from 21/05/2010. Prior to 21/05/2010: CA Demand + Reserve Requirement
ENERGYREQDEMAND10	numeric(12,2)		Sum of: (Region Period Demand - given Demand10)/PeriodLength(sum by Energy Block, entered in first period of energy block, GWh)
UNCONSTRAINEDCAPACITY	numeric(12,0)		Region energy unconstrained MW capacity subject to network security constraints
CONSTRAINEDCAPACITY	numeric(12,0)		Region energy constrained MW capacity subject to energy and network security constraints
NETINTERCHANGEUNDERSCARCITY	numeric(12,2)		Calculated in capacity adequacy evaluation: Export if > 0, Import if < 0.
SURPLUSCAPACITY	numeric(12,2)		Regional surplus capacity MW, +/- values indicate surplus/deficit capacity
SURPLUSRESERVE	numeric(12,2)		Not used from 21/05/2010. Prior to 21/05/2010: Regional reserve surplus. +/- 0 values indicate surplus/deficit reserve
RESERVECONDITION	numeric(1,0)		The regional reserve condition: 0 = Adequate, 1 = LRC
MAXSURPLUSRESERVE	numeric(12,2)		The Maximum generation (MW) that could be withdrawn from this region without incurring a Low Reserve Condition.
MAXSPARECAPACITY	numeric(12,2)		The Maximum Spare Capacity evaluated for this region in this period. Calculated for each region in turn
LORCONDITION	numeric(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	numeric(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
AGGREGATESCHEDULEDLOAD	numeric(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	datetime		Date the solution was loaded
AGGREGATEPASAAVAILABILITY	numeric(12,0)		Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
CALCULATEDLOR1LEVEL	numeric(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	numeric(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if

			an interconnector is a credible contingency
MSRNETINTERCHANG EUNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the MSR assessment
LORNETINTERCHANGE UNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTG ENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND50	numeric(12,2)		Input value for 50% probability demand
DEMAND_AND_NONSC HEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULEDCAPA CITY	numeric(12,2)		Aggregate Regional UIFG availability
LOR_SEMISCHEDULED CAPACITY	numeric(12,2)		Aggregate Regional UIFG availability for LOR
DEFICITRESERVE	numeric(16,6)		Regional reserve deficit (MW)
MAXUSEFULRESPONSE	numeric(12,2)		The Maximum market response (MW) needed for the region to eliminate a Low Reserve Condition (LRC)
MURNETINTERCHANG EUNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the MRR assessment
LORTOTALINTERMITTE NTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the LOR assessment
ENERGYREQDEMAND50	numeric(12,2)		Sum of: (Region Period Demand - given Demand50)/PeriodLength (sum by Energy Block, entered in first period of energy block, GWh)

### 33.59 Table: MTPASA\_RESERVELIMITSOLUTION

#### 33.59.1 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.	

#### 33.59.2 Description

##### Source

MTPASA\_RESERVELIMITSOLUTION is updated each MTPASA run (i.e. weekly).

##### Volume

400,000 rows per year

#### 33.59.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 33.59.4 Primary Key Columns

Name  
 DAY  
 ENERGYBLOCK  
 LDCBLOCK  
 RESERVELIMITID  
 RUN\_DATETIME  
 RUN\_NO  
 RUNTYPE

#### 33.59.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Date processing of the run begins
RUN_NO	numeric(3,0)	X	Unique run ID. Generated from the solution file Case ID.
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
ENERGYBLOCK	datetime	X	Sunday at start of the week for this solutions energy block. Generated from the solution file energy block.
DAY	datetime	X	Day this solution is for. Generated from the solution file period id.
LDCBLOCK	numeric(3,0)	X	Load Duration Curve block this solution is for. Generated from the solution file period id.
RESERVELIMITID	varchar(20)	X	The unique identifier of the MT PASA LRC Reserve Requirement.
MARGINALVALUE	numeric(16,6)		Marginal Value of the Reserve

		Requirement Constraint. A non-zero value indicates that the reserve requirement is binding.
LASTCHANGED	datetime	Timestamp the record was last modified.

## 33.60 Table: MTPASACONSTRAINSOLUTION\_D

### 33.60.1 MTPASACONSTRAINSOLUTION\_D

Name	MTPASACONSTRAINSOLUTION_D
Comment	MTPASACONSTRAINSOLUTION_D sets out MT PASA constraint solution results, where constraints are binding.

### 33.60.2 Description

MTPASACONSTRAINSOLUTION\_D is public data.

#### Source

MTPASACONSTRAINSOLUTION\_D updates weekly.

#### Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per newly effective constraint.

### 33.60.3 Primary Key Columns

Name
CONSTRAINT_ID
DATETIME

### 33.60.4 Index Columns

Name
LASTCHANGED

### 33.60.5 Content

Name	Data Type	Mandatory	Comment
DATETIME	datetime	X	Date constraint is binding
CONSTRAINT_ID	varchar(20)	X	Constraint Identifier
DEGREE_OF_VIOLATION	numeric(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	datetime		Last changed data and time.
RUN_DATETIME	datetime		The run date and time

## 33.61 Table: MTPASAINTERCONNECTORSOLUTION\_D

### 33.61.1 MTPASAINTERCONNECTORSOLUTION\_D

Name	MTPASAINTERCONNECTORSOLUTION_D
Comment	MTPASAINTERCONNECTORSOLUTION_D shows interconnector results for MT PASA, shown region by region.

### 33.61.2 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.

### 33.61.3 Primary Key Columns

Name
DATETIME
INTERCONNECTOR_ID

### 33.61.4 Index Columns

Name
LASTCHANGED

### 33.61.5 Content

Name	Data Type	Mandatory	Comment
DATETIME	datetime	X	Date of results. One record for each day for next two years.
INTERCONNECTOR_ID	varchar(12)	X	Interconnector Identifier
POSITIVE_INTERCONNECTOR_FLOW	numeric(16,6)		The MW flow out
POSITIVE_TRANSFER_LIMITS	numeric(16,6)		The MW transfer limits out
POSITIVE_BINDING	varchar(10)		Indication of a binding limit in the out direction
NEGATIVE_INTERCONNECTOR_FLOW	numeric(16,6)		The MW flow in
NEGATIVE_TRANSFER_LIMITS	numeric(16,6)		the MW transfer limits in
NEGATIVE_BINDING	varchar(10)		Indication of a binding limit in the in direction
LASTCHANGED	datetime		Last change date and time
RUN_DATETIME	datetime		The run date and time

## 33.62 Table: MTPASAREGIONSOLUTION\_D

### 33.62.1 MTPASAREGIONSOLUTION\_D

Name	MTPASAREGIONSOLUTION_D
Comment	MTPASAREGIONSOLUTION_D shows region results for MT PASA, showing predicted demand and any capacity limits.

### 33.62.2 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.

### 33.62.3 Primary Key Columns

Name
DATETIME
REGION_ID

### 33.62.4 Index Columns

Name
LASTCHANGED

### 33.62.5 Content

Name	Data Type	Mandatory	Comment
DATETIME	datetime	X	Date of results. One record for each day for next two years.
REGION_ID	varchar(12)	X	Region Identifier
RUN_DATETIME	datetime		The run date and time
RESERVE_CONDITION	varchar(50)		The regional reserve condition
RESERVE_SURPLUS	numeric(16,6)		Regional reserve surplus value
CAPACITY_REQUIREMENT	numeric(16,6)		Capacity in MW required to meet demand
MINIMUM_RESERVE_REQUIREMENT	numeric(16,6)		Minimum required regional reserve value
REGION_DEMAND_10POE	numeric(16,6)		Regional 10% Probability of Exceedance demand forecast value
DEMAND_MINUS_SCHEDULED_LOAD	numeric(16,6)		Regional demand minus the scheduled load value
CONSTRAINED_CAPACITY	numeric(16,6)		The total regional capacity due to energy and network constraints
UNCONSTRAINED_CAPACITY	numeric(16,6)		The total regional capacity, subject to network constraints.
NET_INTERCHANGE	numeric(16,6)		Regional net MW import via

			interconnectors
ENERGY_REQUIREMENT_10POE	numeric(16,6)		Regional energy required to meet demand
REPORTED_BLOCK_ID	numeric(16,6)		The load duration curve block that is recorded in the report.
LASTCHANGED	datetime		Last change date and time.

## 33.63 Table: OARTRACK

### 33.63.1 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.

### 33.63.2 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.

### 33.63.3 Primary Key Columns

Name
OFFERDATE
PARTICIPANTID
SETTLEMENTDATE
VERSIONNO

### 33.63.4 Index Columns

Name
LASTCHANGED

### 33.63.5 Index Columns

Name
PARTICIPANTID

### 33.63.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement date
OFFERDATE	datetime	X	Date file offered
VERSIONNO	numeric(3,0)	X	Version no for this offer date
PARTICIPANTID	varchar(10)	X	Unique participant identifier
FILENAME	varchar(40)		Load file name
AUTHORISEDDATE	datetime		Date record authorised
AUTHORISEDBY	varchar(10)		User authorising record
LASTCHANGED	datetime		Last date and time record changed

## 33.64 Table: OFFERFILETRK

### 33.64.1 OFFERFILETRK

Name	OFFERFILETRK
Comment	OFFERFILETRK shows an audit trail of all bid files submitted containing energy bids, including corrupt bids/rebids.

### 33.64.2 Description

#### Status

OFFERFILETRK is obsolete. Please see BIDOFFERFILETRK.

#### Source

OFFERFILETRK is obsolete.

### 33.64.3 Primary Key Columns

Name
FILENAME
OFFERDATE
PARTICIPANTID

### 33.64.4 Index Columns

Name
LASTCHANGED

### 33.64.5 Index Columns

Name
PARTICIPANTID

### 33.64.6 Content

Name	Data Type	Mandatory	Comment
OFFERDATE	datetime	X	Date file offered
PARTICIPANTID	varchar(10)	X	Unique participant identifier
STATUS	varchar(10)		Load status [SUCCESSFUL/CORRUPT]
ACKFILENAME	varchar(40)		Acknowledge file name
ENDDATE	datetime		Not used
FILENAME	varchar(40)	X	Load file name
LASTCHANGED	datetime		Last date and time record changed

## 33.65 Table: OFFERGOVDATA

### 33.65.1 OFFERGOVDATA

Name	OFFERGOVDATA
Comment	OFFERGOVDATA sets out reoffers of governor (6 and 60 second FCAS) availability.

### 33.65.2 Description

Not in Use - discontinued 30/09/2001

Confidential to participant

#### Source

Updated as reoffers process.

### 33.65.3 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

### 33.65.4 Index Columns

Name
LASTCHANGED

### 33.65.5 Index Columns

Name
CONTRACTID

### 33.65.6 Content

Name	Data Type	Mandatory	Comment
CONTRACTID	varchar(10)	X	Contract Version No.
EFFECTIVEDATE	datetime	X	Effective Date of Re-Offer
VERSIONNO	numeric(3,0)	X	Version No. of Re-Offer
PERIODID	numeric(3,0)	X	Market day trading interval number
SEC6AVAILUP	numeric(6,0)		Availability for 6 Second Raise (0 or 1). '0' = unavailable, '1' = available)
SEC6AVAILDOWN	numeric(6,0)		Availability for 6 Second Lower (0 or 1)
SEC60AVAILUP	numeric(6,0)		Availability for 60 Second Raise (0 or 1)
SEC60AVAILDOWN	numeric(6,0)		Availability for 60 Second Lower (0 or 1)
AUTHORISEDDATE	datetime		Date Contract was Authorised
AUTHORISEDBY	varchar(15)		User Name
FILENAME	varchar(40)		File name of Re-Offer file
LASTCHANGED	datetime		Last date and time record changed

## 33.66 Table: OFFERULLOADINGDATA

### 33.66.1 OFFERULLOADINGDATA

Name OFFERULLOADINGDATA  
 Comment OFFERULLOADINGDATA shows reoffers of rapid unit loading capability.

### 33.66.2 Description

Not in Use - discontinued 30/09/2001

OFFERULLOADINGDATA data is confidential to each participant.

#### Source

OFFERULLOADINGDATA updated as reoffers processed.

### 33.66.3 Primary Key Columns

Name  
 CONTRACTID  
 EFFECTIVEDATE  
 PERIODID  
 VERSIONNO

### 33.66.4 Index Columns

Name  
 LASTCHANGED

### 33.66.5 Index Columns

Name  
 CONTRACTID

### 33.66.6 Content

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

## 33.67 Table: OFFERUNLOADINGDATA

### 33.67.1 OFFERUNLOADINGDATA

Name OFFERUNLOADINGDATA  
 Comment OFFERUNLOADINGDATA shows reoffers of rapid unit unloading capability.

### 33.67.2 Description

Not in Use - discontinued 30/09/2001

OFFERUNLOADINGDATA data is confidential to the relevant participant.

#### Source

OFFERUNLOADINGDATA updates as reoffers processed.

### 33.67.3 Primary Key Columns

Name  
 CONTRACTID  
 EFFECTIVEDATE  
 PERIODID  
 VERSIONNO

### 33.67.4 Index Columns

Name  
 LASTCHANGED

### 33.67.5 Index Columns

Name  
 CONTRACTID

### 33.67.6 Content

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

## 33.68 Table: PASACASESOLUTION

### 33.68.1 PASACASESOLUTION

Name	PASACASESOLUTION
Comment	PASACASESOLUTION sets out ST PASA case listing providing details of each STPASA case run.

### 33.68.2 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.

### 33.68.3 Primary Key Columns

Name
CASEID

### 33.68.4 Index Columns

Name
LASTCHANGED

### 33.68.5 Content

Name	Data Type	Mandatory	Comment
CASEID	varchar(20)	X	PASA Case Identifier
SOLUTIONCOMPLETE	numeric(16,6)		Not used
PASAVERSION	numeric(27,10)		Software version identifier
EXCESSGENERATION	numeric(16,6)		Excess generation detected flag
DEFICITCAPACITY	numeric(16,6)		Deficit capacity detected flag
LASTCHANGED	datetime		Last date and time record changed
DATETIME	datetime		Scheduled date and time of the run

## 33.69 Table: PASACONSTRAINTSOLUTION

### 33.69.1 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.

### 33.69.2 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.

### 33.69.3 Primary Key Columns

Name
CONSTRAINTID
PERIODID

### 33.69.4 Index Columns

Name
LASTCHANGED

### 33.69.5 Content

Name	Data Type	Mandatory	Comment
CASEID	varchar(20)	X	PASA Case Identifier
CONSTRAINTID	varchar(20)	X	Generic Constraint Id
PERIODID	varchar(20)	X	PASA Interval (48 half hours)
CAPACITYMARGINALVALUE	numeric(16,6)		Binding value of capacity and adequacy (if insufficient to measure)
CAPACITYVIOLATIONDEGREE	numeric(16,6)		Deficit MW of surplus capacity
EXCESSGENMARGINALVALUE	numeric(16,6)		Binding value of dispatch generator above aggregate self dispatch
EXCESSGENVIOLATIONDEGREE	numeric(16,6)		Deficit of generator above aggregate self dispatch level
LASTCHANGED	datetime		Last date and time record changed
DATETIME	datetime		Date and time of the end of the period

## 33.70 Table: PASAINTERCONNECTORSOLUTION

### 33.70.1 PASAINTERCONNECTORSOLUTION

Name	PASAINTERCONNECTORSOLUTION
Comment	PASAINTERCONNECTORSOLUTION records ST PASA interconnector solutions for the latest period.

### 33.70.2 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.

### 33.70.3 Primary Key Columns

Name
INTERCONNECTORID
PERIODID

### 33.70.4 Index Columns

Name
LASTCHANGED

### 33.70.5 Content

Name	Data Type	Mandatory	Comment
CASEID	varchar(20)	X	PASA Case Identifier
INTERCONNECTORID	varchar(10)	X	Interconnector Id
PERIODID	varchar(20)	X	PASA Interval (48 half hours)
CAPACITYMWFLOW	numeric(16,6)		Capacity MW flow
CAPACITYMARGINALVALUE	numeric(16,6)		Marginal value in capacity
CAPACITYVIOLATIONDEGREE	numeric(16,6)		Violation value in capacity
EXCESSGENMWFLOW	numeric(16,6)		Excess generation MW flow
EXCESSGENMARGINALVALUE	numeric(16,6)		Marginal value in excess generation
EXCESSGENVIOLATIONDEGREE	numeric(16,6)		Violation value in excess generation
LASTCHANGED	datetime		Last date and time record changed
IMPORTLIMIT	numeric(15,5)		Calculated import limit
EXPORTLIMIT	numeric(15,5)		Calculated export limit
DATETIME	datetime		Date and time of the end of the period

## 33.71 Table: PASAREGIONSOLUTION

### 33.71.1 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.

### 33.71.2 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.

### 33.71.3 Primary Key Columns

Name
PERIODID
REGIONID

### 33.71.4 Index Columns

Name
LASTCHANGED

### 33.71.5 Content

Name	Data Type	Mandatory	Comment
CASEID	varchar(20)	X	PASA Case Identifier
REGIONID	varchar(10)	X	Region Identifier
PERIODID	varchar(20)	X	PASA Interval (48 half hours)
DEMAND10	numeric(16,6)		10% exceedence forecast
DEMAND50	numeric(16,6)		50% exceedence forecast
DEMAND90	numeric(16,6)		90% exceedence forecast
UNCONSTRAINEDCAPACITY	numeric(16,6)		Unconstrained capacity
CONSTRAINEDCAPACITY	numeric(16,6)		Constrained capacity
CAPACITYSURPLUS	numeric(16,6)		Surplus capacity
RESERVEREQ	numeric(16,6)		Reserve requirement
RESERVECONDITION	numeric(16,6)		Reserve condition
RESERVESURPLUS	numeric(16,6)		Reserve surplus
LOADREJECTIONRESEVEREQ	numeric(16,6)		Load rejection reserve requirement
LOADREJECTIONRESEVRVSURPLUS	numeric(16,6)		Load rejection reserve surplus
NETINTERCHANGEUN	numeric(16,6)		Net interchange excess

DEREXCESS			
NETINTERCHANGEUNDERSCARCITY	numeric(16,6)		Net interchange scarcity
LASTCHANGED	datetime		Last date and time record changed
EXCESSGENERATION	numeric(22,0)		Excess generation in period OR Deficit generation if VoLL
ENERGYREQUIRED	numeric(15,5)		Total amount of energy required for the reported day
CAPACITYREQUIRED	numeric(15,5)		Trading interval demand for the region that has a 10% probability of being exceeded, plus the medium term capacity reserve standard.
DATETIME	datetime		Date and time of the end of the period

## 33.72 Table: PEROFFER

### 33.72.1 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.

### 33.72.2 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.

### 33.72.3 Primary Key Columns

Name  
 DUID  
 OFFERDATE  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.72.4 Index Columns

Name  
 LASTCHANGED

### 33.72.5 Index Columns

Name  
 DUID  
 LASTCHANGED

### 33.72.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:00am
DUID	varchar(10)	X	Dispatchable Unit identifier
OFFERDATE	datetime	X	Offer date made
PERIODID	numeric(3,0)	X	Period identifier
VERSIONNO	numeric(3,0)	X	Version number of offer

SELFDISPATCH	numeric(12,6)		Not used
MAXAVAIL	numeric(12,6)		Maximum plant availability
FIXEDLOAD	numeric(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	numeric(6,0)		MW/min for raise
ROCDOWN	numeric(6,0)		MW/Min for lower
BANDAVAIL1	numeric(6,0)		Availability at price band 1
BANDAVAIL2	numeric(6,0)		Availability at price band 2
BANDAVAIL3	numeric(6,0)		Availability at price band 3
BANDAVAIL4	numeric(6,0)		Availability at price band 4
BANDAVAIL5	numeric(6,0)		Availability at price band 5
BANDAVAIL6	numeric(6,0)		Availability at price band 6
BANDAVAIL7	numeric(6,0)		Availability at price band 7
BANDAVAIL8	numeric(6,0)		Availability at price band 8
BANDAVAIL9	numeric(6,0)		Availability at price band 9
BANDAVAIL10	numeric(6,0)		Availability at price band 10
LASTCHANGED	datetime		Last date and time record changed
PASAAVAILABILITY	numeric(12,0)		The physical plant capability including any capability potentially available within 24 hours.
MR_CAPACITY	numeric(6,0)		Mandatory Restriction Offer amount

### 33.73 Table: PEROFFER\_D

#### 33.73.1 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.	

#### 33.73.2 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.

#### 33.73.3 Primary Key Columns

Name
DUID
OFFERDATE
PERIODID
SETTLEMENTDATE
VERSIONNO

#### 33.73.4 Index Columns

Name
LASTCHANGED

#### 33.73.5 Index Columns

Name
DUID
LASTCHANGED

#### 33.73.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Market date starting at 04:00am
DUID	varchar(10)	X	Dispatchable Unit identifier
OFFERDATE	datetime	X	Offer date made

PERIODID	numeric(3,0)	X	Period identifier
VERSIONNO	numeric(3,0)	X	Version number of offer
SELFDISPATCH	numeric(12,6)		Not used
MAXAVAIL	numeric(12,6)		Maximum plant availability
FIXEDLOAD	numeric(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	numeric(6,0)		MW/min for raise
ROCDOWN	numeric(6,0)		MW/Min for lower
BANDAVAIL1	numeric(6,0)		Availability at price band 1
BANDAVAIL2	numeric(6,0)		Availability at price band 2
BANDAVAIL3	numeric(6,0)		Availability at price band 3
BANDAVAIL4	numeric(6,0)		Availability at price band 4
BANDAVAIL5	numeric(6,0)		Availability at price band 5
BANDAVAIL6	numeric(6,0)		Availability at price band 6
BANDAVAIL7	numeric(6,0)		Availability at price band 7
BANDAVAIL8	numeric(6,0)		Availability at price band 8
BANDAVAIL9	numeric(6,0)		Availability at price band 9
BANDAVAIL10	numeric(6,0)		Availability at price band 10
LASTCHANGED	datetime		Last date and time record changed
PASAABILITY	numeric(12,0)		The physical plant capability including any capability potentially available within 24 hours.
MR_CAPACITY	numeric(6,0)		Mandatory Restriction Offer amount

## 33.74 Table: PREDISPATCHBIDTRK

### 33.74.1 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.

### 33.74.2 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

### 33.74.3 Primary Key Columns

Name
DUID
PERIODID
PREDISPATCHSEQNO

### 33.74.4 Index Columns

Name
LASTCHANGED

### 33.74.5 Index Columns

Name
DUID
LASTCHANGED

### 33.74.6 Index Columns

Name
DUID
SETTLEMENTDATE

### 33.74.7 Content

Name	Data Type	Mandatory	Comment
PREDISPATCHSEQNO	varchar(20)	X	Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30
DUID	varchar(10)	X	Dispatchable Unit identifier
PERIODID	varchar(20)	X	PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period.

BIDTYPE	varchar(10)		Bid type (daily, default or rebid)
OFFERDATE	datetime		Offer date for bid
VERSIONNO	numeric(3,0)		Version no of offer for the offer date
LASTCHANGED	datetime		Last date and time record changed
SETTLEMENTDATE	datetime		Market Settlement Date
DATETIME	datetime		Period date and time

## 33.75 Table: REALLOCATIONDETAILS

### 33.75.1 REALLOCATIONDETAILS

Name                   REALLOCATIONDETAILS  
 Comment               REALLOCATIONDETAILS sets out specific reallocation agreements.

### 33.75.2 Description

Not in Use - discontinued 10/06/2004

#### **Source**

As changes occur.

### 33.75.3 Primary Key Columns

Name  
 EFFECTIVEDATE  
 REALLOCATIONID  
 VERSIONNO

### 33.75.4 Index Columns

Name  
 LASTCHANGED

### 33.75.5 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	varchar(20)	X	Identification of the reallocation agreement
EFFECTIVEDATE	datetime	X	Calendar settlement date the agreement starts from
VERSIONNO	numeric(3,0)	X	Version number on the effective date, highest is the reallocation used on that date
AUTHORISEDDATE	datetime		Date the entry was authorised
AUTHORISEDBY	varchar(10)		User who authorised the record
LASTCHANGED	datetime		Last date and time record changed

## 33.76 Table: REALLOCATIONINTERVALS

### 33.76.1 REALLOCATIONINTERVALS

Name	REALLOCATIONINTERVALS
Comment	REALLOCATIONINTERVALS identifies the the reallocation agreement and provides the corresponding reallocation profiles submitted by the participant and accepted by AEMO

### 33.76.2 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.

### 33.76.3 Primary Key Columns

Name
EFFECTIVEDATE
PERIODID
REALLOCATIONID
VERSIONNO

### 33.76.4 Index Columns

Name
LASTCHANGED

### 33.76.5 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	varchar(20)	X	Identification of the reallocation agreement
EFFECTIVEDATE	datetime	X	Date the agreement starts from
VERSIONNO	numeric(3,0)	X	Version number on the effective date, highest is the reallocation used on that date
PERIODID	numeric(3,0)	X	Period number where period 1 use the half hour ended 00:30 EST
REALLOCATIONVALUE	numeric(6,2)		Either \$ or MWh depending on agreement type
LASTCHANGED	datetime		Last date and time record changed

## 33.77 Table: REALLOCATIONS

### 33.77.1 REALLOCATIONS

Name	REALLOCATIONS
Comment	REALLOCATIONS shows reallocation agreement identifiers with corresponding start and end dates of submitted reallocations as accepted by AEMO.

### 33.77.2 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.

### 33.77.3 Primary Key Columns

Name	REALLOCATIONID
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### 33.77.4 Index Columns

Name	LASTCHANGED
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### 33.77.5 Content

Name	Data Type	Mandatory	Comment
REALLOCATIONID	varchar(20)	X	Identification of the reallocation agreement
STARTDATE	datetime		Starting data for the agreement
STARTPERIOD	numeric(3,0)		Starting period number
ENDDATE	datetime		Ending date for the agreement
ENDPERIOD	numeric(3,0)		Ending period number
PARTICIPANTTOID	varchar(10)		Participant who receives the money
PARTICIPANTFROMID	varchar(10)		Participant who provides the money
AGREEMENTTYPE	varchar(10)		Either \$ or MWh
DeregistrationDate	datetime		Not used
DeregistrationPeriod	numeric(3,0)		Not used
RegionID	varchar(10)		Place where the RRP is taken for the agreement
LASTCHANGED	datetime		Last date and time record changed

## 33.78 Table: REGIONFCASRELAXATION\_OCD

### 33.78.1 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.	

### 33.78.2 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.

### 33.78.3 Primary Key Columns

Name
GLOBAL
REGIONID
RUNNO
SERVICETYPE
SETTLEMENTDATE

### 33.78.4 Index Columns

Name
LASTCHANGED

### 33.78.5 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	End date and time of the dispatch interval
RUNNO	numeric(3,0)	X	Dispatch run no
REGIONID	varchar(10)	X	Region Identifier

SERVICETYPE	varchar(10)	X	Ancillary service type identifier (e.g. LOWER60SEC)
GLOBAL	numeric(1,0)	X	FCAS Requirement: 1 = global, 0 = local
REQUIREMENT	numeric(15,5)		Relaxed Requirement used in attempt to avoid violation
LASTCHANGED	datetime		Last date and time record changed

## 33.79 Table: SET\_CSP\_DEROGATION\_AMOUNT

### 33.79.1 SET\_CSP\_DEROGATION\_AMOUNT

Name	SET_CSP_DEROGATION_AMOUNT
Comment	A settlement table for the publication of Snowy CSP derogation amounts.

### 33.79.2 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.

### 33.79.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.79.4 Primary Key Columns

Name  
 AMOUNT\_ID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.79.5 Index Columns

Name  
 LASTCHANGED

### 33.79.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3)	X	Settlement run number
PERIODID	numeric(3)	X	Period identifier
PARTICIPANTID	varchar(10)	X	The participant allocated the payment amount for the derogation.
AMOUNT_ID	varchar(20)	X	Amount identifier represented as a string, from "TA1" through to "TA6" (or "TA8" for a LYMMCO derogation result)
DEROGATION_AMOUNT	numeric(18,8)		Derogation amount associated with the amount identifier

LASTCHANGED	datetime	Last changed date for the record
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## 33.80 Table: SET\_CSP\_SUPPORTDATA\_CONSTRAINT

### 33.80.1 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

### 33.80.2 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.

### 33.80.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.80.4 Primary Key Columns

Name  
 CONSTRAINTID  
 INTERVAL\_DATETIME  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.80.5 Index Columns

Name  
 LASTCHANGED

### 33.80.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3)	X	Settlement run number
INTERVAL_DATETIME	datetime	X	Dispatch interval identifier
CONSTRAINTID	varchar(20)	X	Constraint identifier
PERIODID	numeric(3)	X	Settlements trading interval identifier
MARGINALVALUE	numeric(18,8)		Marginal value of the constraint
RHS	numeric(18,8)		RHS value of the constraint
LOWERTUMUT_FACTO_R	numeric(18,8)		Value of the Lower Tumut left-hand term of the constraint
UPPERTUMUT_FACTO_R	numeric(18,8)		Value of the Upper Tumut left hand term

R			of the constraint
LOWERTUMUT_CSPA_COEFF	numeric(18,8)		LOWERTUMUT_FACTOR x MARGINALVALUE
UPPERTUMUT_CSPA_COEFF	numeric(18,8)		UPPERTUMUT_FACTOR x MARGINALVALUE
ABS_X	numeric(18,8)		Equal to RHS if the constraint direction is SOUTH, otherwise zero
ABS_Y	numeric(18,8)		Equal to RHS if the constraint direction is NORTH, otherwise zero
LASTCHANGED	datetime		Last changed date of the record

### 33.81 Table: SET\_CSP\_SUPPORTDATA\_ENERGYDIFF

#### 33.81.1 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

#### 33.81.2 Description

**THIS TABLE WILL BE DISCONTINUED AS PART OF THE END OF YEAR 2009 MMS RELEASE**  
**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.

#### 33.81.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 33.81.4 Primary Key Columns

Name
PERIODID
SETTLEMENTDATE
VERSIONNO

#### 33.81.5 Index Columns

Name
LASTCHANGED

#### 33.81.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3)	X	Settlement run number
PERIODID	numeric(3)	X	Period identifier
LOWERTUMUT_SPDP	numeric(18,8)		Lower Tumut Substitute Price for the half hour interval
UPPERTUMUT_SPDP	numeric(18,8)		Upper Tumut Substitute Price for the half hour interval
LOWERTUMUT_EVDP	numeric(18,8)		Lower Tumut Energy Value Differential for the half hour interval
UPPERTUMUT_EVDP	numeric(18,8)		Upper Tumut Energy Value Differential for the half hour interval
FLOW_DIRECTION	varchar(20)		Indicates the determined direction of flow

			in the half hour. Will be either "NORTH" or "SOUTH"
TOTAL_X	numeric(18,8)		Sum of all "ABS_X" values in the half hour
TOTAL_Y	numeric(18,8)		Sum of all "ABS_Y" values in the half hour
LOWERTUMUT AGE	numeric(18,8)		Energy output of the Lower Tumut unit in the half hour interval
UPPERTUMUT AGE	numeric(18,8)		Energy output of the Upper Tumut unit in the half hour interval
EVA	numeric(18,8)		Energy value adjustment for northward flows in the half-hour interval
LASTCHANGED	datetime		Last changed date for the record

## 33.82 Table: SET\_CSP\_SUPPORTDATA\_SUBPRICE

### 33.82.1 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

### 33.82.2 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.

### 33.82.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.82.4 Primary Key Columns

Name
INTERVAL_DATETIME
SETTLEMENTDATE
VERSIONNO

### 33.82.5 Index Columns

Name
LASTCHANGED

### 33.82.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3)	X	Settlement run number
INTERVAL_DATETIME	datetime	X	Dispatch interval identifier
PERIODID	numeric(3)		Period identifier
RRP	numeric(18,8)		SNOWY1 RRP for the dispatch interval
IS_CSP_INTERVAL	numeric(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	numeric(18,8)		Transmission loss factor of the Lower

			Tumut unit
UPPERTUMUT_TLF	numeric(18,8)		Transmission Loss factor of the Upper Tumut unit
LOWERTUMUT_PRICE	numeric(18,8)		The dispatch price at the Lower Tumut node
UPPERTUMUT_PRICE	numeric(18,8)		The dispatch price at the Upper Tumut node
LOWERTUMUT_CSPA_COEFF	numeric(18,8)		Sum of CSPAxCOEFF for all constraints and Lower Tumut left-hand terms
UPPERTUMUT_CSPA_COEFF	numeric(18,8)		Sum of CSPAxCOEFF for all constraints and Upper Tumut left-hand terms
LOWERTUMUT_SPDP_UNCAPPED	numeric(18,8)		LOWERTUMUT_SPDP before VOLL or MPF capping is applied
UPPERTUMUT_SPDP_UNCAPPED	numeric(18,8)		UPPERTUMUT_SPDP before VOLL or MPF capping is applied
LOWERTUMUT_SPDP	numeric(18,8)		Substitute Price for Lower Tumut
UPPERTUMUT_SPDP	numeric(18,8)		Substitute Price for Upper Tumut
INTERVAL_ABS_X	numeric(18,8)		Sum of all ABS_X values for binding CSP constraints in the dispatch interval
INTERVAL_ABS_Y	numeric(18,8)		Sum of all ABS_Y values for binding CSP constraints in the dispatch interval
LASTCHANGED	datetime		Last changed date for the record

### 33.83 Table: SETAPCCOMPENSATION

#### 33.83.1 SETAPCCOMPENSATION

Name	SETAPCCOMPENSATION
Comment	SETAPCCOMPENSATION shows Administered Price Cap (APC) compensation payments for each period.

#### 33.83.2 Description

SETAPCCOMPENSATION data is confidential to the relevant participant.

#### Source

SETAPCCOMPENSATION updates in settlement runs, as needed.

#### 33.83.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

#### 33.83.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

#### 33.83.5 Index Columns

Name  
 LASTCHANGED

#### 33.83.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement run number
PARTICIPANTID	varchar(10)	X	Participant identifier
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Settlement period (based on calendar day)
APCCOMPENSATION	numeric(15,5)		APC amount
LASTCHANGED	datetime		Last date and time record changed

## 33.84 Table: SETAPCRECOVERY

### 33.84.1 SETAPCRECOVERY

Name	SETAPCRECOVERY
Comment	SETAPCRECOVERY shows reimbursements for Administered Price Cap (APC) to be recovered from participants.

### 33.84.2 Description

SETAPCRECOVERY data is confidential to the relevant participant.

#### Source

SETAPCRECOVERY updates with each settlement run.

### 33.84.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.84.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.84.5 Index Columns

Name  
 LASTCHANGED

### 33.84.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement run number
PARTICIPANTID	varchar(10)	X	Participant identifier
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Settlement period (based on calendar day)
TOTALCOMPENSATION	numeric(15,5)		Total compensation
PARTICIPANTDEMAND	numeric(15,5)		Participant MW Demand
REGIONDEMAND	numeric(15,5)		Total region demand
APCRECOVERY	numeric(15,5)		APC Recovery amount
LASTCHANGED	datetime		Last date and time record changed

## 33.85 Table: SETFCASRECOVERY

### 33.85.1 SETFCASRECOVERY

Name	SETFCASRECOVERY
Comment	SETFCASERECOVERY shows reimbursements for the Frequency Control Ancillary Services compensation.

### 33.85.2 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.

### 33.85.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.85.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.85.5 Index Columns

Name  
 LASTCHANGED

### 33.85.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Calendar Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement run no
DUID	varchar(10)		Dispatchable Unit identifier
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
REGIONID	varchar(10)	X	Region Identifier
PERIODID	numeric(3,0)	X	Settlement Period identifier
FCASCOMP	numeric(15,5)		Frequency Control Ancillary Service Compensation Payment

PARTICIPANTDEMAND	numeric(15,5)		Participant Demand in Region
REGIONDEMAND	numeric(15,5)		Total Regional demand
FCASRECOVERY	numeric(15,5)		Frequency Control Ancillary Service recovery amount.
LASTCHANGED	datetime		Date and Time last changed
FCASRECOVERY_GEN	numeric(15,5)		Frequency Control Ancillary Service recovery amount for Generator
PARTICIPANTDEMAND_GEN	numeric(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	numeric(15,5)		Total Regional Demand for Generator

## 33.86 Table: SETGOVPAYMENT

### 33.86.1 SETGOVPAYMENT

Name	SETGOVPAYMENT
Comment	SETGOVPAYMENT shows specific payment details for Governor services by period.

### 33.86.2 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.

### 33.86.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.86.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.86.5 Index Columns

Name  
 LASTCHANGED

### 33.86.6 Index Columns

Name  
 PARTICIPANTID

### 33.86.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Unique participant identifier
CONTRACTID	varchar(10)	X	Contract Identifier
PERIODID	numeric(3,0)	X	Period Identifier

DUID	varchar(10)		Dispatchable Unit ID
REGIONID	varchar(10)		Region Identifier
TLF	numeric(7,5)		Transmission Loss Factor of Unit
RL6SECRAISE	numeric(15,5)		contract enabling price - 6 sec raise
RL60SECRAISE	numeric(15,5)		contract enabling price - 60 sec raise
RL6SECLOWER	numeric(15,5)		contract enabling price - 6 sec lower
RL60SECLOWER	numeric(15,5)		contract enabling price - 60 sec lower
DEADBANDUP	numeric(7,5)		contracted dead band up
DEADBANDDOWN	numeric(7,5)		contracted dead band down
R6	numeric(15,5)		6 sec raise response for 1% deviation in frequency (droop equation)
R60	numeric(15,5)		60 sec raise response for 1% deviation in frequency (droop equation)
L6	numeric(15,5)		6 sec lower response for 1% deviation in frequency (droop equation)
L60	numeric(15,5)		60 sec lower response for 1% deviation in frequency (droop equation)
RL6	numeric(15,5)		6 sec raise response limit equation
RL60	numeric(15,5)		60 sec raise response limit equation
LL6	numeric(15,5)		6 sec lower response limit equation
LL60	numeric(15,5)		6 sec lower response limit equation
ENABLING6RPAYMENT	numeric(15,5)		6 sec raise enabling payment
ENABLING60RPAYMENT	numeric(15,5)		60 sec raise enabling payment
ENABLING6LPAYMENT	numeric(15,5)		6 sec lower enabling payment
ENABLING60LPAYMENT	numeric(15,5)		60 sec lower enabling payment
CONTRACTVERSIONNO	numeric(3,0)		AS contract version no
OFFERDATE	datetime		re-offer offer date
OFFERVERSIONNO	numeric(3,0)		re-offer offer version
LASTCHANGED	datetime		Last date and time record changed

## 33.87 Table: SETGOVRECOVERY

### 33.87.1 SETGOVRECOVERY

Name	SETGOVRECOVERY
Comment	SETGOVRECOVERY shows reimbursements for the Governor Ancillary Services to be recovered from participants.

### 33.87.2 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.

### 33.87.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.87.4 Primary Key Columns

Name  
 PARTICIPANTID  
 PERIODID  
 REGIONID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.87.5 Index Columns

Name  
 LASTCHANGED

### 33.87.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant to pay recovery
CONTRACTID	varchar(10)		
PERIODID	numeric(3,0)	X	Trading Interval
REGIONID	varchar(10)	X	Region Identifier
ENABLING6RPAYMENT	numeric(15,5)		Enabling Payment 6 Second Raise
ENABLING60RPAYMENT	numeric(15,5)		Enabling Payment 60 Second Raise
ENABLING6LPAYMENT	numeric(15,5)		Enabling Payment 6 Second Lower

ENABLNG6LPAYMENT	numeric(15,5)		Enabling Payment 60 Second Lower
PARTICIPANTDEMAND	numeric(15,5)		Participant Demand in Region
REGIONDEMAND	numeric(15,5)		Total Regional Demand
ENABLNG6RRECOVERY	numeric(15,5)		Enabling Recovery 6 Second Raise
ENABLNG60RRECOVERY	numeric(15,5)		Enabling Recovery 60 Second Raise
ENABLNG6LRECOVERY	numeric(15,5)		Enabling Recovery 6 Second Lower
ENABLNG60LRECOVERY	numeric(15,5)		Enabling Recovery 60 Second Lower
LASTCHANGED	datetime		Last date and time record changed
ENABLNG6LRECOVERY_GEN	numeric(15,5)		Enabling Recovery 6 Second Lower for Generator
ENABLNG6RRECOVERY_GEN	numeric(15,5)		Enabling Recovery 6 Second Raise for Generator
ENABLNG60LRECOVERY_GEN	numeric(15,5)		Enabling Recovery 60 Second Lower for Generator
ENABLNG60RRECOVERY_GEN	numeric(15,5)		Enabling Recovery 60 Second Raise for Generator
PARTICIPANTDEMAND_GEN	numeric(15,5)		Participant Demand in Region for Generator
REGIONDEMAND_GEN	numeric(15,5)		Total Regional Demand for Generator

## 33.88 Table: SETLULOADPAYMENT

### 33.88.1 SETLULOADPAYMENT

Name	SETLULOADPAYMENT
Comment	SETLULOADPAYMENT shows specific payment details for rapid unit load services by period.

### 33.88.2 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.

### 33.88.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.88.4 Primary Key Columns

Name  
 CONTRACTID  
 PARTICIPANTID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.88.5 Index Columns

Name  
 LASTCHANGED

### 33.88.6 Index Columns

Name  
 PARTICIPANTID

### 33.88.7 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PARTICIPANTID	varchar(10)	X	Participant Identifier
CONTRACTID	varchar(10)	X	AS Contract Identifier
PERIODID	numeric(3,0)	X	Trading Interval

DUID	varchar(10)		Dispatchable Unit Identifier
REGIONID	varchar(10)		Region Identifier
TLF	numeric(7,5)		Transmission Loss Factor
EBP	numeric(15,5)		Eligible Bid Price
RRP	numeric(15,5)		Regional Reference Price
ENABLINGPRICE	numeric(15,5)		Enabling Price
USAGEPRICE	numeric(15,5)		Usage Price
CCPRICE	numeric(15,5)		Compensation Cap
BLOCKSIZE	numeric(4,0)		Indicates how much of the unit at one given time is available for the ancillary service.
ACR	numeric(6,2)		Dispatch target
UNITOUTPUT	numeric(15,5)		Unit output.
UNITEXCESSGEN	numeric(15,5)		Excess Generation
ENABLINGPAYMENT	numeric(15,5)		Enabling Payment
USAGEPAYMENT	numeric(15,5)		Usage Payment
COMPENSATIONPAYMENT	numeric(15,5)		Compensation Payment
CONTRACTVERSIONNO	numeric(3,0)		Contract Version No.
OFFERDATE	datetime		Re-offer offer date
OFFERVERSIONNO	numeric(3,0)		Re-Offer Version No.
LASTCHANGED	datetime		Last date and time record changed

## 33.89 Table: SETRESERVETRADER

### 33.89.1 SETRESERVETRADER

Name	SETRESERVETRADER
Comment	SETRESERVETRADER shows reserve trader details.

### 33.89.2 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.

### 33.89.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.89.4 Primary Key Columns

Name  
 DUID  
 PERIODID  
 SETTLEMENTDATE  
 VERSIONNO

### 33.89.5 Index Columns

Name  
 LASTCHANGED

### 33.89.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	datetime	X	Settlement Date
VERSIONNO	numeric(3,0)	X	Settlement Run No.
PERIODID	numeric(3,0)	X	Period Identifier
CONTRACTID	varchar(10)		Reserve Trader Contract Identifier
CONTRACTVERSION	numeric(3,0)		Reserve Trader Contract Version
PARTICIPANTID	varchar(10)		Unique participant identifier
REGIONID	varchar(10)		Region Identifier
DUID	varchar(10)	X	Dispatchable Unit ID
RCF	char(1)		Reserve Recovery Flag
UNITAVAIL	numeric(6,2)		Offered Availability of Unit
CPA	numeric(12,5)		Contract Availability Payment
CPE	numeric(12,5)		Contract Enabling Payment
CPU	numeric(12,5)		Contract Usage Payment
CPTOTAL	numeric(12,5)		Total Payment for Contract
CAPDIFFERENCE	numeric(12,5)		Spot payment applicable to the capacity above the enabling threshold
LASTCHANGED	datetime		Last date and time record changed



## 33.90 Table: STPASA\_SYSTEMSOLUTION

### 33.90.1 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.

### 33.90.2 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

### 33.90.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 33.90.4 Primary Key Columns

Name
INTERVAL_DATETIME

### 33.90.5 Index Columns

Name
LASTCHANGED

### 33.90.6 Index Columns

Name
RUN_DATETIME

### 33.90.7 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
SYSTEMDEMAND50	numeric(12,2)		Sum of Demand 50% PoE
RESERVEREQ	numeric(12,2)		System total reserve requirement
UNCONSTRAINEDCAP	numeric(12,2)		System energy unconstrained capacity

ACITY			MW subject to energy and network constraints
CONSTRAINEDCAPACITY	numeric(12,2)		System energy constrained capacity MW subject to energy and network constraints
SURPLUSCAPACITY	numeric(12,2)		System capacity surplus MW, +/- values indicate surplus/deficit capacity
SURPLUSRESERVE	numeric(12,2)		System reserve surplus MW, +/- values indicate surplus/deficit reserve
RESERVECONDITION	numeric(1,0)		The system reserve condition: 0 Adequate, 1 LRC
LASTCHANGED	datetime		Last changed date of this record

## 33.91 Table: STPASA\_UNITSOLUTION

### 33.91.1 STPASA\_UNITSOLUTION

Name	STPASA_UNITSOLUTION
Comment	STPASA_UNITSOLUTION shows the unit results from the capacity evaluations for each period of the study.

### 33.91.2 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).

### 33.91.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Private

### 33.91.4 Primary Key Columns

Name
DUID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE

### 33.91.5 Index Columns

Name
LASTCHANGED

### 33.91.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Unique Timestamp Identifier for this study
INTERVAL_DATETIME	datetime	X	The unique identifier for the interval within this study
DUID	varchar(10)	X	Dispatchable unit Identifier
CONNECTIONPOINTID	varchar(10)		Connection point identifier
EXPECTEDMAXCAPACITY	numeric(12,2)		Max MW capacity that can be obtained in case of capacity scarcity from units subject to network and energy constraints.
CAPACITYMARGINALV	numeric(12,2)		Capacity adequacy assessment marginal

ALUE			value, 0 if not binding
CAPACITYVIOLATIONDEGREE	numeric(12,2)		Capacity adequacy assessment violation degree for unit capacity; 0 if not violating
CAPACITYAVAILABLE	numeric(12,2)		The available MW capacity for the period
ENERGYCONSTRAINED	numeric(1,0)		0 if not energy constrained, 1 if energy constrained for this energy block
ENERGYAVAILABLE	numeric(10,0)		The energy limit (MWH) over this energy block for the energy constrained unit
LASTCHANGED	datetime		Last changed date of this record
PASAABILITY	numeric(12,0)		The physical plant capability including any capability that can be made available within 24 hrs
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC

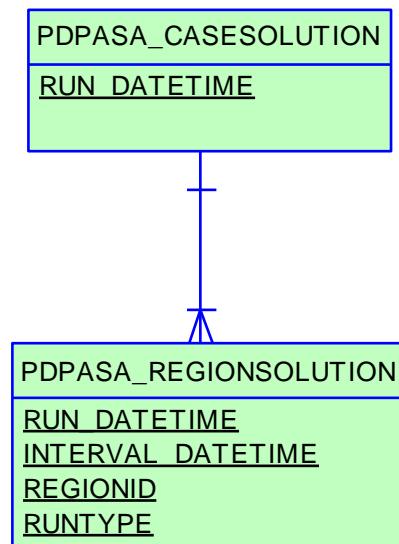
34 Package: PDPASA

Name	PDPASA
Comment	<p>The PDPASA package provides a 30-minute solving process to the Market systems</p> <p>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.</p> <p>The calculation is a reserve assessment based on the PASA solver similar to existing ST and MT PASA business processes</p> <p>The process reflects all intra-regional and inter-regional network constraints as an input to the process</p>

## 34.1 List of tables

Name	Comment
PDPASA_CASESOLUTION	The top-level table identifying a PDPASA case, reporting options applied in the case and summary results
PDPASA_REGIONSOLUTION	The PDPASA region solution data

## 34.2 Diagram: Entities: PD PASA



### 34.3 Table: PDPASA\_CASESOLUTION

#### 34.3.1 PDPASA\_CASESOLUTION

Name	PDPASA_CASESOLUTION
Comment	The top-level table identifying a PDPASA case, reporting options applied in the case and summary results

#### 34.3.2 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

#### 34.3.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 34.3.4 Primary Key Columns

Name
RUN_DATETIME

#### 34.3.5 Index Columns

Name
LASTCHANGED

#### 34.3.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Case identifier by the time the case was run
PASAVERSION	varchar(10)		Version of the PASA solver used to solve this case
RESERVECONDITION	numeric(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	numeric(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	numeric(12,3)		Objective Function from the Capacity Adequacy run

CAPACITYOPTION	numeric(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.
MAXSURPLUSRESERV EOPTION	numeric(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
MAXSPARECAPACITYO PTION	numeric(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
INTERCONNECTORFL OW PENALTY	numeric(12,3)		The penalty for non-zero interconnector flow
LASTCHANGED	datetime		Date and time the record was created or modified
RELIABILITYLRCDEMA NDOPTION	numeric(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%)
OUTAGELRCDEMANDO PTION	numeric(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	numeric(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%)
RELIABILITYLRCCAPA CITYOPTION	varchar(10)		Generation Availability to be used in Reliability LRC run (either PASA or MARKET)
OUTAGELRCCAPACITY OPTION	varchar(10)		Generation Availability to be used in Outage LRC run (either PASA or MARKET)
LORCAPACITYOPTION	varchar(10)		Generation Availability to be used in LOR run (either PASA or MARKET)
LORUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option
ReliabilityLRCUIGFOptio n	numeric(3,0)		UIGF POE forecast availability used for this option
OutageLRCUIGFOption	numeric(3,0)		UIGF POE forecast availability used for this option

## 34.4 Table: PDPASA\_REGIONSOLUTION

### 34.4.1 PDPASA\_REGIONSOLUTION

Name	PDPASA_REGIONSOLUTION
Comment	The PDPASA region solution data

### 34.4.2 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 Predispach PASA (PDPASA) reports as NEMMCO's latest reserve determination for a given half hour.

### 34.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 34.4.4 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNTYPE

### 34.4.5 Index Columns

Name  
LASTCHANGED

### 34.4.6 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	Case identifier by the time the case was run
INTERVAL_DATETIME	datetime	X	End date time of the interval
REGIONID	varchar(10)	X	Region identifier
DEMAND10	numeric(12,2)		10% Probability of Exceedance demand forecast
DEMAND50	numeric(12,2)		50% Probability of Exceedance demand forecast
DEMAND90	numeric(12,2)		90% Probability of Exceedance demand forecast
RESERVEREQ	numeric(12,2)		Region reserve requirement (MW)
CAPACITYREQ	numeric(12,2)		Capacity required to meet the demand and reserve levels in the capacity adequacy assessment.
ENERGYREQDEMAND50	numeric(12,2)		Energy (GWh) required for this energy block based on the 50% probability of exceedance demand. Listed in the first interval of the energy block.
UNCONSTRAINEDCAPACITY	numeric(12,0)		Aggregate generator capability from Non Energy Constrained plant including restrictions due to network constraints from the capacity adequacy (LRC) assessment.
CONSTRAINEDCAPACITY	numeric(12,0)		Aggregate generator capability from Energy Constrained plant including restrictions due to network constraints
NETINTERCHANGEUNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the capacity adequacy (LRC) assessment.
SURPLUSCAPACITY	numeric(12,2)		Surplus capacity (MW) above the demand, scheduled load and net interchange in this region from the capacity adequacy (LRC) assessment.
SURPLUSRESERVE	numeric(12,2)		Surplus reserve (MW) above the demand, scheduled load, net interchange and reserve requirement in this region from the capacity adequacy (LRC) assessment.
RESERVECONDITION	numeric(1,0)		Low Reserve Condition (LRC) flag for this region in this interval (1 - LRC, 0 - No LRC)
MAXSURPLUSRESERVE	numeric(12,2)		Maximum surplus reserve (MW) above the demand + reserve requirement able to be sourced to this region while meeting demand + reserve requirements in other regions.
MAXSPARECAPACITY	numeric(12,2)		Maximum spare capacity (MW) above the demand able to be sourced to this region while meeting demands in other regions.
LORCONDITION	numeric(1,0)		Lack of Reserve Condition (LOR) flag for

			this region and interval (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR)
AGGREGATECAPACITY AVAILABLE	numeric(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
AGGREGATESCHEDULEDLOAD	numeric(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	datetime		Date time the record was created or modified changed
AGGREGATEPASAABILITY	numeric(12,0)		Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID.
RUNTYPE	varchar(20)	X	Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC
ENERGYREQDEMAND10	numeric(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	numeric(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	numeric(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGE UNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the MSR assessment
LORNINTERCHANGE UNDERSCARCITY	numeric(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATION	numeric(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	numeric(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	numeric(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SemiScheduledCapacity	numeric(12,2)		Aggregate Regional UIFG availability
LOR_SemiScheduledCapacity	numeric(12,2)		Aggregate Regional UIFG availability for LOR
LCR	numeric(16,6)		Largest Credible Risk. MW value for highest credible contingency
LCR2	numeric(16,6)		Two Largest Creditable Risks. MW value for highest two credible contingencies.
FUM	numeric(16,6)		Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines

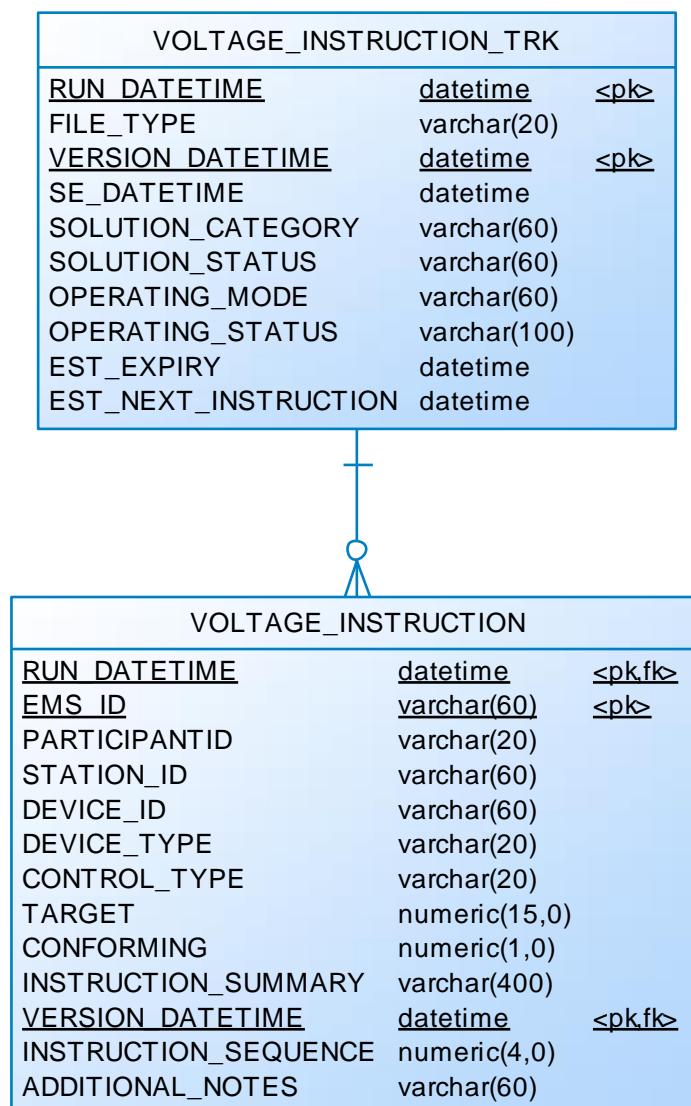
## 35 Package: VOLTAGE\_INSTRUCTIONS

Name	VOLTAGE_INSTRUCTIONS
Comment	Instructions for MVAr Dispatch

### 35.1 List of tables

Name	Comment
VOLTAGE_INSTRUCTION	Child record for Voltage Instructions (MVAr Dispatch)
VOLTAGE_INSTRUCTION_T RK	Parent record for Voltage Instructions (MVAr Dispatch). 'SIGNAL' records will have no children; 'INSTRUCTION' records will have children

### 35.2 Diagram: Entities: Voltage Instructions



### 35.3 Table: VOLTAGE\_INSTRUCTION

#### 35.3.1 VOLTAGE\_INSTRUCTION

Name	VOLTAGE_INSTRUCTION
Comment	Child record for Voltage Instructions (MVar Dispatch)

#### 35.3.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

#### 35.3.3 Primary Key Columns

Name  
 EMS\_ID  
 RUN\_DATETIME  
 VERSION\_DATETIME

#### 35.3.4 Index Columns

Name  
 RUN\_DATETIME  
 VERSION\_DATETIME  
 EMS\_ID

#### 35.3.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	MVar Interval – a timestamp of when instructions issued
EMS_ID	varchar(60)	X	The unique identifier for reference within AEMO –matches equipment names between NOS and EMS
PARTICIPANTID	varchar(20)		The NEM id of the participant who owns the equipment
STATION_ID	varchar(60)		The id of the station where the control equipment resides
DEVICE_ID	varchar(60)		The company/participant preferred name of an equipment
DEVICE_TYPE	varchar(20)		One of REACTOR, CAPACITOR, GEN, SVC, TRANS or GRPGEN but may be extended to other types
CONTROL_TYPE	varchar(20)		One of VOLTAGE, TAP, MVAR, SWITCH or COMMIT but may be extended to other types
TARGET	numeric(15,0)		Instruction for the device, for this interval – null denotes no instruction
CONFORMING	numeric(1,0)		[0,1] Denotes if the Device is currently conforming
INSTRUCTION_SUMMARY	varchar(400)		Verbose summary of instruction
VERSION_DATETIME	datetime	X	Datetime the file was published by VDS - Versions differ from Run_DateTime only for Supplemental runs

INSTRUCTION_SEQUENCE	numeric(4,0)		Order for execution of Instruction
ADDITIONAL_NOTES	varchar(60)		Additional information pertaining to a particular instruction, e.g. Previously issued instruction revoked

## 35.4 Table: VOLTAGE\_INSTRUCTION\_TRK

### 35.4.1 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

### 35.4.2 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

### 35.4.3 Primary Key Columns

Name
RUN_DATETIME
VERSION_DATETIME

### 35.4.4 Index Columns

Name
RUN_DATETIME
VERSION_DATETIME

### 35.4.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	datetime	X	MVAr Interval - a timestamp of when instructions issued
FILE_TYPE	varchar(20)		Either 'SIGNAL' (childless) or 'INSTRUCTION'
VERSION_DATETIME	datetime	X	Datetime the file was published by VDS - Versions differ from Run_DateTime only for Supplemental runs
SE_DATETIME	datetime		State Estimator start time, when a snapshot is taken of SCADA values
SOLUTION_CATEGORY	varchar(60)		VDS solver solution category. Valid values: SUCCESS, WARNING, FAILURE
SOLUTION_STATUS	varchar(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	varchar(60)		The current VDS operating mode. Valid values: AUTO, AUTO-VERIFIED, MANUAL
OPERATING_STATUS	varchar(100)		Unstructured code and message from AEMO
EST_EXPIRY	datetime		Estimated expiry time of current Instruction set
EST_NEXT_INSTRUCTION	datetime		Estimated issue time of next Instruction set

## 36 List of tables

Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
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_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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'
BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'

BILLINGEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL_TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL_TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORITYADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL_TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL_TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'

DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'

IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL_TABLES'
MARKETSUSREGION	Package 'HISTORICAL_TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL_TABLES'
MAS_CP_MASTER	Package 'HISTORICAL_TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL_TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL_TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL_TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL_TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVELIMIT	Package 'RESERVE_DATA'

MTPASA_RESERVEDLIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULOADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDER_P	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_AP_Compensation	Package 'SETTLEMENT_DATA'
SET_AP_Recovery	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'

SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL TABLES'
SETGOVRECOVERY	Package 'HISTORICAL TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_CRECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'
BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'

BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLSMELTERRATE	Package 'HISTORICAL TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL TABLES'
DAYOFFER	Package 'HISTORICAL TABLES'
DAYOFFER_D	Package 'HISTORICAL TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL TABLES'
DELTAMW	Package 'HISTORICAL TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'

DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'

MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL_TABLES'
MARKETSUSREGION	Package 'HISTORICAL_TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL_TABLES'
MAS_CP_MASTER	Package 'HISTORICAL_TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL_TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL_TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL_TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL_TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVEDLIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL_TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL_TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL_TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL_TABLES'
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NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'

NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERRP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
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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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_AP_CCOMPENSATION	Package 'SETTLEMENT_DATA'
SET_AP_CRECOVERY	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSRPLUS	Package 'SETTLEMENT_DATA'

SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_RECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'
BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'

BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVERTRADER	Package 'HISTORICAL_TABLES'
BILLINGRESERVERTRADERREGION	Package 'HISTORICAL_TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVERTRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'

DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSSMASTER	Package 'PARTICIPANT_REGISTRATION'
FORCEMAJEURE	Package 'GENERIC_CONSTRAINT'
FORCEMAEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'HISTORICAL_TABLES'
GENCONDATA	Package 'GD_INSTRUCT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'GENERIC_CONSTRAINT'
GENUNITMTRINPERIOD	Package 'PARTICIPANT_REGISTRATION'
GENUNITS	Package 'HISTORICAL_TABLES'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'PARTICIPANT_REGISTRATION'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'BILLING_CONFIG'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'GD_INSTRUCT'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL_TABLES'
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INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
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INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'

MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL TABLES'
MARKETSUSREGION	Package 'HISTORICAL TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL TABLES'
MAS_CP_MASTER	Package 'HISTORICAL TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVEDLIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'

OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERRP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	Package 'P5MIN'
P5MIN_UNITSOLUTION	Package 'P5MIN'
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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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
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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'
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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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL TABLES'

REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_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'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'

SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
SETMARKETFEES	Package 'SETTLEMENT_DATA'
SETREALLOCATIONS	Package 'SETTLEMENT_DATA'
SETRESERVERECOVERY	Package 'SETTLEMENT_DATA'
SETRESERVERTRADER	Package 'HISTORICAL TABLES'
SETRESTARTPAYMENT	Package 'SETTLEMENT_DATA'
SETRESTARTRECOVERY	Package 'SETTLEMENT_DATA'
SETRPOWERPAYMENT	Package 'SETTLEMENT_DATA'
SETRPOWERRECOVERY	Package 'SETTLEMENT_DATA'
SETSMALLGENDATA	Package 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'

BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_CRECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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_TRADE_PAYMENT	Package 'BILLING_RUN'
BILLING_RES_TRADE_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL TABLES'

BILLINGRESERVETRADERREGION	Package 'HISTORICAL_TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTRACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'

GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'BILLING_CONFIG'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'GD_INSTRUCT'
INTCONTRACTAMOUNT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL TABLES'
MARKETSUSREGION	Package 'HISTORICAL TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL TABLES'
MAS_CP_MASTER	Package 'HISTORICAL TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL TABLES'

METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVELIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVELIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULLOADINGDATA	Package 'HISTORICAL TABLES'

OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERRP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_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'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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_TRAНCHE	Package 'IRAUCTION'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL_TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_CRECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'
BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLSMELTERRATE	Package 'HISTORICAL TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL TABLES'

CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVERTRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'

GENUNITMTRINPERIOD	Package 'HISTORICAL_TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL_TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL_TABLES'
MARKETSUSREGION	Package 'HISTORICAL_TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL_TABLES'
MAS_CP_MASTER	Package 'HISTORICAL_TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL_TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL_TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL_TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'

MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVELIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVELIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERAISTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERPP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL_TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL_TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL_TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL_TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL_TABLES'
PEROFFER_D	Package 'HISTORICAL_TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_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'
SET_ANCILLARY_SUMMARY	Package 'HISTORICAL_TABLES'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'

SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL_TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_CRECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'

BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'
BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSRPLUSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVERTRADER	Package 'HISTORICAL TABLES'
BILLINGRESERVERTRADERREGION	Package 'HISTORICAL TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLSMELTERRATE	Package 'HISTORICAL TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL TABLES'

CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
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DAYOFFER_D	Package 'HISTORICAL_TABLES'
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DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
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DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
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DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
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GENUNITMTRINPERIOD	Package 'HISTORICAL_TABLES'
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GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
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GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
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INTCONTRACT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL TABLES'
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INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
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INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
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INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL TABLES'
MARKETSUSREGION	Package 'HISTORICAL TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL TABLES'
MAS_CP_MASTER	Package 'HISTORICAL TABLES'
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MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
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METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
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METERDATATRK	Package 'HISTORICAL TABLES'
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MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
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MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'

MR_PEROFFER_STACK	Package 'MREVENT'
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MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
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MTPASA_RESERVELIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVELIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
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NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
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NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
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OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERPP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
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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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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'
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ROOFTOP_PV_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
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SET_AP_CRECOVERY	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL TABLES'

SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSRPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_INTERCONNECTORSOLN	Package 'STPASA_SOLUTION'
STPASA_REGIONSOLUTION	Package 'STPASA_SOLUTION'
STPASA_SYSTEMSOLUTION	Package 'HISTORICAL TABLES'
STPASA_UNITSOLUTION	Package 'HISTORICAL TABLES'
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TRADINGLOAD	Package 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
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VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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APCCOMP	Package 'HISTORICAL TABLES'
APCCOMPAMOUNT	Package 'HISTORICAL TABLES'
APCCOMPAMOUNTTRK	Package 'HISTORICAL TABLES'
APEVENT	Package 'FORCE_MAJEURE'
APEVENTREGION	Package 'FORCE_MAJEURE'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'PARTICIPANT_REGISTRATION'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_AP_Compensation	Package 'BILLING_RUN'
BILLING_AP_Recovery	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'

BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL TABLES'
BILLSMELTERRATE	Package 'HISTORICAL TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL TABLES'
DAYOFFER	Package 'HISTORICAL TABLES'
DAYOFFER_D	Package 'HISTORICAL TABLES'

DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL_TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL_TABLES'

INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL TABLES'
MARKETSUSREGION	Package 'HISTORICAL TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL TABLES'
MAS_CP_MASTER	Package 'HISTORICAL TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'

MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVELIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVELIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERAISTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULLOADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERPP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'

PEROFFER	Package 'HISTORICAL_TABLES'
PEROFFER_D	Package 'HISTORICAL_TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_APCT_COMPENSATION	Package 'SETTLEMENT_DATA'
SET_APCT_RECOVERY	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'

SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
STADUALLOC	Package 'PARTICIPANT_REGISTRATION'
STATION	Package 'PARTICIPANT_REGISTRATION'
STATIONOPERATINGSTATUS	Package 'PARTICIPANT_REGISTRATION'
STATIONOWNER	Package 'PARTICIPANT_REGISTRATION'
STATIONOWNERTRK	Package 'PARTICIPANT_REGISTRATION'
STPASA_CASESOLUTION	Package 'PARTICIPANT_REGISTRATION'
STPASA_CONSTRAINTSOLUTION	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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'

TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_CRECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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_TRADE_PAYMENT	Package 'BILLING_RUN'
BILLING_RES_TRADE_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'

BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL_TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL_TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL_TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL_TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL_TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'

DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL_TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL_TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'

INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL_TABLES'
MARKETSUSREGION	Package 'HISTORICAL_TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL_TABLES'
MAS_CP_MASTER	Package 'HISTORICAL_TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
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METERDATA_GEN_DUID	Package 'HISTORICAL_TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL_TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL_TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'

MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVEDLIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASA_INTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASA_REGIONSOLUTION_D	Package 'HISTORICAL TABLES'
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NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULLOADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERPP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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_CASESOLUTION	Package 'HISTORICAL TABLES'
PASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_AP_Compensation	Package 'SETTLEMENT_DATA'
SET_AP_Recovery	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_Recovery	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_Recovery	Package 'SETTLEMENT_DATA'
SET_NM_AS_Recovery	Package 'SETTLEMENT_DATA'
SET_NM_AS_Recovery_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL TABLES'
SETAPCRECOVERY	Package 'HISTORICAL TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'

SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL TABLES'
SETGOVRECOVERY	Package 'HISTORICAL TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL TABLES'
BILLING_AP_Compensation	Package 'BILLING_RUN'
BILLING_AP_Recovery	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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_TRADE_PAYMENT	Package 'BILLING_RUN'
BILLING_RES_TRADE_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'

BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'BILLING_RUN'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL_TABLES'
BILLINGINTRARESIDUES	Package 'HISTORICAL_TABLES'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORITYADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVERTRADER	Package 'HISTORICAL_TABLES'
BILLINGRESERVERTRADERREGION	Package 'HISTORICAL_TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVERTRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'

DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL_TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
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INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'

LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL TABLES'
MARKETSUSREGION	Package 'HISTORICAL TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL TABLES'
MAS_CP_MASTER	Package 'HISTORICAL TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL TABLES'
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METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL TABLES'
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MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
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MTPASA_RESERVELIMIT_REGION	Package 'RESERVE_DATA'

MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
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NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
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NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
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OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERRP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
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PREDISPATCH_LOCAL_PRICE	Package 'PRE_DISPATCH'
PREDISPATCH_MNSPBIDTRK	Package 'PRE_DISPATCH'
PREDISPATCHBIDTRK	Package 'HISTORICAL TABLES'
PREDISPATCHBLOCKEDCONSTRAINT	Package 'PRE_DISPATCH'
PREDISPATHCASESOLUTION	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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_AP_CCOMPENSATION	Package 'SETTLEMENT_DATA'
SET_AP_CRECOVERY	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'

SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSRPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRACTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'MARKET_CONFIG'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'HISTORICAL_TABLES'
BILLING_AP_CCOMPENSATION	Package 'BILLING_RUN'
BILLING_AP_CRECOVERY	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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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_TRADE_PAYMENT	Package 'BILLING_RUN'
BILLING_RES_TRADE_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL_TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL_TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL_TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'

BILLINGIRAUCSRPLUSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL_TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL_TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'

DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'

MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL_TABLES'
MARKETSUSREGION	Package 'HISTORICAL_TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL_TABLES'
MAS_CP_MASTER	Package 'HISTORICAL_TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL_TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL_TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL_TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL_TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL_TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVELIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVELIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVELIMITSOLUTION	Package 'HISTORICAL_TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL_TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL_TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL_TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'

NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERAISTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERPP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_AP_CCOMPENSATION	Package 'SETTLEMENT_DATA'
SET_AP_RECOVERY	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSRPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'

SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'

BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
BIDPEROFFER_D	Package 'BIDS'
BIDTYPES	Package 'BIDS'
BIDTYPESTRK	Package 'MARKET_CONFIG'
BILLADJUSTMENTS	Package 'MARKET_CONFIG'
BILLING_AP_CCOMPENSATION	Package 'HISTORICAL_TABLES'
BILLING_AP_CRECOVERY	Package 'BILLING_RUN'
BILLING_CO2E_PUBLICATION	Package 'BILLING_RUN'
BILLING_CO2E_PUBLICATION_TRK	Package 'BILLING_RUN'
BILLING_CSP_DEROGATION_AMOUNT	Package 'BILLING_RUN'
BILLING_DAILY_ENERGY_SUMMARY	Package 'BILLING_RUN'
BILLING_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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 'BILLING_RUN'
BILLING_RES_TRADER_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL_TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL_TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL_TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL_TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'

BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVERTRADER	Package 'HISTORICAL TABLES'
BILLINGRESERVERTRADERREGION	Package 'HISTORICAL TABLES'
BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLSMELTERRATE	Package 'HISTORICAL TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL TABLES'
CONTRACTRESERVERTRADER	Package 'HISTORICAL TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL TABLES'
DAYOFFER	Package 'HISTORICAL TABLES'
DAYOFFER_D	Package 'HISTORICAL TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL TABLES'
DELTAMW	Package 'HISTORICAL TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL TABLES'

DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSSMASTER	Package 'PARTICIPANT_REGISTRATION'
FORCEMAJEURE	Package 'GENERIC_CONSTRAINT'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'HISTORICAL_TABLES'
GENCONDATA	Package 'GD_INSTRUCT'
GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'GENERIC_CONSTRAINT'
GENUNITMTRINPERIOD	Package 'GENERIC_CONSTRAINT'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'BILLING_CONFIG'
INSTRUCTIONTYPE	Package 'BILLING_CONFIG'
INTCONTRACT	Package 'GD_INSTRUCT'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'HISTORICAL_TABLES'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'MARKET_CONFIG'
INTERMITTENT_CLUSTER_AVAIL	Package 'HISTORICAL_TABLES'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'HISTORICAL_TABLES'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'

MARKETSUSPENSION	Package 'HISTORICAL TABLES'
MARKETSUSREGION	Package 'HISTORICAL TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL TABLES'
MAS_CP_MASTER	Package 'HISTORICAL TABLES'
MCC_CASESOLUTION	Package 'HISTORICAL TABLES'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'
METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVEDLIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINTSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'

OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'
OVERRIDERRP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL TABLES'
PEROFFER_D	Package 'HISTORICAL TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'

RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_FORECAST	Package 'DEMAND_FORECASTS'
SECDEPOSIT_INTEREST_RATE	Package 'BILLING_CONFIG'
SECDEPOSIT_PROVISION	Package 'BILLING_CONFIG'
SET_AP_CCOMPENSATION	Package 'SETTLEMENT_DATA'
SET_AP_CRECOVERY	Package 'SETTLEMENT_DATA'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFCOMP	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSRPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'

SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'

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Name	Parent
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'
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'
BIDDAYOFFER	Package 'BIDS'
BIDDAYOFFER_D	Package 'BIDS'
BIDDUIDDETAILS	Package 'PARTICIPANT_REGISTRATION'
BIDDUIDDETAILSTRK	Package 'PARTICIPANT_REGISTRATION'
BIDOFFERFILETRK	Package 'BIDS'
BIDPEROFFER	Package 'BIDS'
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_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_DIRECTION_RECON_OTHER	Package 'BILLING_RUN'
BILLING_DIRECTION_RECONCILIATN	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_AMOUNT	Package 'BILLING_RUN'
BILLING_EFTSHORTFALL_DETAIL	Package 'BILLING_RUN'
BILLING_GST_DETAIL	Package 'BILLING_RUN'
BILLING_GST_SUMMARY	Package 'BILLING_RUN'
BILLING_MR_PAYMENT	Package 'BILLING_RUN'
BILLING_MR_RECOVERY	Package 'BILLING_RUN'
BILLING_MR_SHORTFALL	Package 'BILLING_RUN'
BILLING_MR_SUMMARY	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_TRADE_PAYMENT	Package 'BILLING_RUN'
BILLING_RES_TRADE_RECOVERY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_PAY	Package 'BILLING_RUN'
BILLING_SECDEP_INTEREST_RATE	Package 'BILLING_RUN'
BILLING_SECDEPOSIT_APPLICATION	Package 'BILLING_RUN'
BILLINGAPCCOMPENSATION	Package 'BILLING_RUN'
BILLINGAPCRECOVERY	Package 'BILLING_RUN'
BILLINGASPAYMENTS	Package 'BILLING_RUN'
BILLINGASRECOVERY	Package 'BILLING_RUN'
BILLINGCALENDAR	Package 'BILLING_CONFIG'
BILLINGCPDATA	Package 'BILLING_RUN'
BILLINGCPSUM	Package 'HISTORICAL TABLES'
BILLINGCUSTEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGDAYTRK	Package 'BILLING_RUN'
BILLINGEXCESSGEN	Package 'HISTORICAL TABLES'
BILLINGFEES	Package 'BILLING_RUN'
BILLINGFINANCIALADJUSTMENTS	Package 'BILLING_RUN'
BILLINGGENDATA	Package 'BILLING_RUN'
BILLINGINTERRESIDUES	Package 'BILLING_RUN'
BILLINGINTERVENTION	Package 'HISTORICAL TABLES'
BILLINGINTERVENTIONREGION	Package 'HISTORICAL TABLES'
BILLINGINTRARESIDUES	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUS	Package 'BILLING_RUN'
BILLINGIRAUCSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRFM	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUS	Package 'BILLING_RUN'
BILLINGIRNSPSURPLUSSUM	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUS	Package 'BILLING_RUN'
BILLINGIRPARTSURPLUSSUM	Package 'BILLING_RUN'
BILLINGPRIORADJUSTMENTS	Package 'BILLING_RUN'
BILLINGREALLOC	Package 'BILLING_RUN'
BILLINGREALLOC_DETAIL	Package 'BILLING_RUN'
BILLINGREGIONEXPORTS	Package 'BILLING_RUN'
BILLINGREGIONFIGURES	Package 'BILLING_RUN'
BILLINGREGIONIMPORTS	Package 'BILLING_RUN'
BILLINGRESERVERECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVEREGIONRECOVERY	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADER	Package 'HISTORICAL TABLES'
BILLINGRESERVETRADERREGION	Package 'HISTORICAL TABLES'

BILLINGRUNTRK	Package 'BILLING_RUN'
BILLINGSMELTERREDUCTION	Package 'BILLING_RUN'
BILLINTERVENTIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLINTERVENTIONREGIONRECOVERY	Package 'HISTORICAL_TABLES'
BILLSMELTERRATE	Package 'HISTORICAL_TABLES'
BILLWHITEHOLE	Package 'BILLING_RUN'
CONNECTIONPOINT	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTDETAILS	Package 'HISTORICAL_TABLES'
CONNECTIONPOINTOPERATINGSTA	Package 'HISTORICAL_TABLES'
CONSTRAINTRELAXATION_OCD	Package 'DISPATCH'
CONTRACTAGC	Package 'ANCILLARY_SERVICES'
CONTRACTGOVERNOR	Package 'HISTORICAL_TABLES'
CONTRACTLOADSHED	Package 'ANCILLARY_SERVICES'
CONTRACTREACTIVEPOWER	Package 'ANCILLARY_SERVICES'
CONTRACTRESERVEFLAG	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETHRESHOLD	Package 'HISTORICAL_TABLES'
CONTRACTRESERVETRADER	Package 'HISTORICAL_TABLES'
CONTRACTRESTARTSERVICES	Package 'ANCILLARY_SERVICES'
CONTRACTRESTARTUNITS	Package 'ANCILLARY_SERVICES'
CONTRACTUNITLOADING	Package 'HISTORICAL_TABLES'
CONTRACTUNITUNLOADING	Package 'HISTORICAL_TABLES'
DAYOFFER	Package 'HISTORICAL_TABLES'
DAYOFFER_D	Package 'HISTORICAL_TABLES'
DAYTRACK	Package 'SETTLEMENT_DATA'
DEFAULTDAYOFFER	Package 'HISTORICAL_TABLES'
DEFAULTOFFERTRK	Package 'HISTORICAL_TABLES'
DEFAULTPEROFFER	Package 'HISTORICAL_TABLES'
DELTAMW	Package 'HISTORICAL_TABLES'
DEMANDOPERATIONALACTUAL	Package 'DEMAND_FORECASTS'
DEMANDOPERATIONALFORECAST	Package 'DEMAND_FORECASTS'
DISPATCH_CONSTRAINT_FCAS_OCD	Package 'DISPATCH'
DISPATCH_FCAS_REQ	Package 'DISPATCH'
DISPATCH_INTERCONNECTION	Package 'DISPATCH'
DISPATCH_LOCAL_PRICE	Package 'DISPATCH'
DISPATCH_MNSPBIDTRK	Package 'DISPATCH'
DISPATCH_MR_SCHEDULE_TRK	Package 'DISPATCH'
DISPATCH_PRICE_REVISION	Package 'DISPATCH'
DISPATCH_UNIT_CONFORMANCE	Package 'DISPATCH'
DISPATCH_UNIT_SCADA	Package 'DISPATCH'
DISPATCHABLEUNIT	Package 'PARTICIPANT_REGISTRATION'
DISPATCHBIDTRK	Package 'HISTORICAL_TABLES'
DISPATCHBLOCKEDCONSTRAINT	Package 'DISPATCH'
DISPATCHCASE_OCD	Package 'HISTORICAL_TABLES'
DISPATCHCASESOLUTION	Package 'DISPATCH'
DISPATCHCASESOLUTION_BNC	Package 'HISTORICAL_TABLES'
DISPATCHCONSTRAINT	Package 'DISPATCH'
DISPATCHINTERCONNECTORRES	Package 'DISPATCH'
DISPATCHLOAD	Package 'DISPATCH'
DISPATCHLOAD_BNC	Package 'HISTORICAL_TABLES'
DISPATCHOFFERTRK	Package 'DISPATCH'
DISPATCHPRICE	Package 'DISPATCH'
DISPATCHREGIONSUM	Package 'DISPATCH'
DISPATCHTRK	Package 'HISTORICAL_TABLES'
DUALLOC	Package 'PARTICIPANT_REGISTRATION'
DUDETAIL	Package 'PARTICIPANT_REGISTRATION'
DUDETAILSUMMARY	Package 'PARTICIPANT_REGISTRATION'
EMSSMASTER	Package 'GENERIC_CONSTRAINT'
FORCEMAJEURE	Package 'HISTORICAL_TABLES'
FORCEMAJEUREREGION	Package 'HISTORICAL_TABLES'
GDINSTRUCT	Package 'GD_INSTRUCT'
GENCONDATA	Package 'GENERIC_CONSTRAINT'

GENCONSET	Package 'GENERIC_CONSTRAINT'
GENCONSETINVOKE	Package 'GENERIC_CONSTRAINT'
GENCONSETTRK	Package 'GENERIC_CONSTRAINT'
GENERICCONSTRAINTRHS	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONDESC	Package 'GENERIC_CONSTRAINT'
GENERICEQUATIONRHS	Package 'GENERIC_CONSTRAINT'
GENMETER	Package 'PARTICIPANT_REGISTRATION'
GENUNITMTRINPERIOD	Package 'HISTORICAL_TABLES'
GENUNITS	Package 'PARTICIPANT_REGISTRATION'
GENUNITS_UNIT	Package 'PARTICIPANT_REGISTRATION'
GST_BAS_CLASS	Package 'BILLING_CONFIG'
GST_RATE	Package 'BILLING_CONFIG'
GST_TRANSACTION_CLASS	Package 'BILLING_CONFIG'
GST_TRANSACTION_TYPE	Package 'BILLING_CONFIG'
INSTRUCTIONSUBTYPE	Package 'GD_INSTRUCT'
INSTRUCTIONTYPE	Package 'GD_INSTRUCT'
INTCONTRACT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNT	Package 'HISTORICAL_TABLES'
INTCONTRACTAMOUNTTRK	Package 'HISTORICAL_TABLES'
INTERCONNECTOR	Package 'MARKET_CONFIG'
INTERCONNECTORALLOC	Package 'MARKET_CONFIG'
INTERCONNECTORCONSTRAINT	Package 'MARKET_CONFIG'
INTERCONNMWFLOW	Package 'HISTORICAL_TABLES'
INTERMITTENT_CLUSTER_AVAIL	Package 'DEMAND_FORECASTS'
INTERMITTENT_CLUSTER_AVAIL_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_DS_RUN	Package 'DEMAND_FORECASTS'
INTERMITTENT_FORECAST_TRK	Package 'DISPATCH'
INTERMITTENT_GEN_FCST	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_FCST_DATA	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT	Package 'DEMAND_FORECASTS'
INTERMITTENT_GEN_LIMIT_DAY	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_PRED	Package 'DEMAND_FORECASTS'
INTERMITTENT_P5_RUN	Package 'DEMAND_FORECASTS'
INTRAREGIONALLOC	Package 'MARKET_CONFIG'
IRFMAMOUNT	Package 'FORCE_MAJEURE'
IRFMEVENTS	Package 'FORCE_MAJEURE'
LOSSFACTORMODEL	Package 'MARKET_CONFIG'
LOSSMODEL	Package 'MARKET_CONFIG'
MARKET_FEE_CAT_EXCL	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_CAT_EXCL_TRK	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSION	Package 'SETTLEMENT_CONFIG'
MARKET_FEE_EXCLUSIONTRK	Package 'SETTLEMENT_CONFIG'
MARKET_PRICE_THRESHOLDS	Package 'MARKET_CONFIG'
MARKET_SUSPEND_REGIME_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_REGION_SUM	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE	Package 'FORCE_MAJEURE'
MARKET_SUSPEND_SCHEDULE_TRK	Package 'FORCE_MAJEURE'
MARKETFEE	Package 'SETTLEMENT_CONFIG'
MARKETFEEDATA	Package 'SETTLEMENT_CONFIG'
MARKETFEETRK	Package 'SETTLEMENT_CONFIG'
MARKETNOTICEDATA	Package 'MARKET_NOTICE'
MARKETNOTICETYPE	Package 'MARKET_NOTICE'
MARKETSUSPENSION	Package 'HISTORICAL_TABLES'
MARKETSUSREGION	Package 'HISTORICAL_TABLES'
MAS_CP_CHANGE	Package 'HISTORICAL_TABLES'
MAS_CP_MASTER	Package 'HISTORICAL_TABLES'
MCC_CASESOLUTION	Package 'MCC_DISPATCH'
MCC_CONSTRAINTSOLUTION	Package 'MCC_DISPATCH'
METERDATA	Package 'HISTORICAL_TABLES'
METERDATA_AGGREGATE_READS	Package 'METER_DATA'

METERDATA_GEN_DUID	Package 'HISTORICAL TABLES'
METERDATA_INDIVIDUAL_READS	Package 'METER_DATA'
METERDATA_INTERCONNECTOR	Package 'METER_DATA'
METERDATA_TRK	Package 'METER_DATA'
METERDATATRK	Package 'HISTORICAL TABLES'
MMS_DATA_MODEL_AUDIT	Package 'CONFIGURATION'
MNSP_DAYOFFER	Package 'BIDS'
MNSP_FILETRK	Package 'BIDS'
MNSP_INTERCONNECTOR	Package 'PARTICIPANT_REGISTRATION'
MNSP_OFFERTRK	Package 'BIDS'
MNSP_PARTICIPANT	Package 'PARTICIPANT_REGISTRATION'
MNSP_PEROFFER	Package 'BIDS'
MR_DAYOFFER_STACK	Package 'MREVENT'
MR_EVENT	Package 'MREVENT'
MR_EVENT_SCHEDULE	Package 'MREVENT'
MR_PEROFFER_STACK	Package 'MREVENT'
MTPASA_CASE_SET	Package 'HISTORICAL TABLES'
MTPASA_CASERESULT	Package 'MTPASA'
MTPASA_CASESOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTRESULT	Package 'MTPASA'
MTPASA_CONSTRAINTSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_CONSTRAINTSUMMARY	Package 'MTPASA'
MTPASA_INTERCONNECTORRESULT	Package 'MTPASA'
MTPASA_INTERCONNECTORSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_INTERMITTENT_AVAIL	Package 'DEMAND_FORECASTS'
MTPASA_INTERMITTENT_LIMIT	Package 'DEMAND_FORECASTS'
MTPASA_LOLPRESULT	Package 'MTPASA'
MTPASA_OFFERDATA	Package 'BIDS'
MTPASA_OFFERFILETRK	Package 'BIDS'
MTPASA_REGIONAVAIL_TRK	Package 'MTPASA'
MTPASA_REGIONAVAILABILITY	Package 'MTPASA'
MTPASA_REGIONITERATION	Package 'MTPASA'
MTPASA_REGIONRESULT	Package 'MTPASA'
MTPASA_REGIONSOLUTION	Package 'HISTORICAL TABLES'
MTPASA_REGIONSUMMARY	Package 'MTPASA'
MTPASA_RESERVEDLIMIT	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_REGION	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMIT_SET	Package 'RESERVE_DATA'
MTPASA_RESERVEDLIMITSOLUTION	Package 'HISTORICAL TABLES'
MTPASACONSTRAINSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAINTERCONNECTORSOLUTION_D	Package 'HISTORICAL TABLES'
MTPASAREGIONSOLUTION_D	Package 'HISTORICAL TABLES'
NEGATIVE_RESIDUE	Package 'DISPATCH'
NETWORK_EQUIPMENTDETAIL	Package 'NETWORK'
NETWORK_OUTAGECONSTRAINTSET	Package 'NETWORK'
NETWORK_OUTAGEDETAIL	Package 'NETWORK'
NETWORK_OUTAGESTATUSCODE	Package 'NETWORK'
NETWORK_RATING	Package 'NETWORK'
NETWORK_REALTIMERATING	Package 'NETWORK'
NETWORK_STATICRATING	Package 'NETWORK'
NETWORK_SUBSTATIONDETAIL	Package 'NETWORK'
OARTRACK	Package 'HISTORICAL TABLES'
OFFERAGCDATA	Package 'ASOFFER'
OFFERASTRK	Package 'ASOFFER'
OFFERFILETRK	Package 'HISTORICAL TABLES'
OFFERGOVDATA	Package 'HISTORICAL TABLES'
OFFERLSHEDDATA	Package 'ASOFFER'
OFFERRESTARTDATA	Package 'ASOFFER'
OFFERRPOWERDATA	Package 'ASOFFER'
OFFERULLOADINGDATA	Package 'HISTORICAL TABLES'
OFFERUNLOADINGDATA	Package 'HISTORICAL TABLES'

OVERRIDERRP	Package 'FORCE_MAJEURE'
P5MIN_BLOCKEDCONSTRAINT	Package 'P5MIN'
P5MIN_CASESOLUTION	Package 'P5MIN'
P5MIN_CONSTRAINTSOLUTION	Package 'P5MIN'
P5MIN_INTERCONNECTORSOLN	Package 'P5MIN'
P5MIN_LOCAL_PRICE	Package 'P5MIN'
P5MIN_REGIONSOLUTION	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'
PASACASESOLUTION	Package 'HISTORICAL_TABLES'
PASACONSTRAINTSOLUTION	Package 'HISTORICAL_TABLES'
PASAINTERCONNECTORSOLUTION	Package 'HISTORICAL_TABLES'
PASAREGIONSOLUTION	Package 'HISTORICAL_TABLES'
PDPASA_CASESOLUTION	Package 'PDPASA'
PDPASA_REGIONSOLUTION	Package 'PDPASA'
PERDEMAND	Package 'DEMAND_FORECASTS'
PEROFFER	Package 'HISTORICAL_TABLES'
PEROFFER_D	Package 'HISTORICAL_TABLES'
PREDISPATCH_FCAS_REQ	Package 'PRE_DISPATCH'
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'
REGIONAPC	Package 'FORCE_MAJEURE'
REGIONAPCINTERVALS	Package 'FORCE_MAJEURE'
REGIONFCASRELAXATION_OCD	Package 'HISTORICAL_TABLES'
REGIONSTANDINGDATA	Package 'MARKET_CONFIG'
RESDEMANDTRK	Package 'DEMAND_FORECASTS'
RESERVE	Package 'RESERVE_DATA'
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_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'
SET_ANCILLARY_SUMMARY	Package 'SETTLEMENT_DATA'
SET_CSP_DEROGATION_AMOUNT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_CONSTRAINT	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_ENERGYDIFF	Package 'HISTORICAL_TABLES'
SET_CSP_SUPPORTDATA_SUBPRICE	Package 'HISTORICAL_TABLES'
SET_FCAS_PAYMENT	Package 'SETTLEMENT_DATA'
SET_FCAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_FCAS_REGULATION_TRK	Package 'SETTLEMENT_DATA'
SET_MR_PAYMENT	Package 'SETTLEMENT_DATA'
SET_MR_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY	Package 'SETTLEMENT_DATA'
SET_NMAS_RECOVERY_RBF	Package 'SETTLEMENT_DATA'
SET_RUN_PARAMETER	Package 'SETTLEMENT_DATA'
SETAGCPAYMENT	Package 'SETTLEMENT_DATA'
SETAGCRECOVERY	Package 'SETTLEMENT_DATA'
SETAPCCOMPENSATION	Package 'HISTORICAL_TABLES'
SETAPCRECOVERY	Package 'HISTORICAL_TABLES'
SETCFG_PARTICIPANT_MPFF	Package 'SETTLEMENT_CONFIG'
SETCFG_PARTICIPANT_MPFTRK	Package 'SETTLEMENT_CONFIG'
SETCPDATA	Package 'SETTLEMENT_DATA'
SETCPDATAREGION	Package 'SETTLEMENT_DATA'
SETFCASCOMP	Package 'SETTLEMENT_DATA'
SETFCASRECOVERY	Package 'HISTORICAL_TABLES'
SETFCASREGIONRECOVERY	Package 'SETTLEMENT_DATA'
SETGENDATA	Package 'SETTLEMENT_DATA'
SETGENDATAREGION	Package 'SETTLEMENT_DATA'
SETGOVPAYMENT	Package 'HISTORICAL_TABLES'
SETGOVRECOVERY	Package 'HISTORICAL_TABLES'
SETINTERVENTION	Package 'SETTLEMENT_DATA'
SETINTERVENTIONRECOVERY	Package 'SETTLEMENT_DATA'
SETINTRAREGIONRESIDUES	Package 'SETTLEMENT_DATA'
SETIRAUCSURPLUS	Package 'SETTLEMENT_DATA'
SETIRFMRECOVERY	Package 'SETTLEMENT_DATA'
SETIRNSPSURPLUS	Package 'SETTLEMENT_DATA'
SETIRPARTSURPLUS	Package 'SETTLEMENT_DATA'
SETIRSURPLUS	Package 'SETTLEMENT_DATA'
SETLSHEDPAYMENT	Package 'SETTLEMENT_DATA'
SETLSHEDRECOVERY	Package 'SETTLEMENT_DATA'
SETLULOADPAYMENT	Package 'HISTORICAL_TABLES'
SETLULOADRECOVERY	Package 'SETTLEMENT_DATA'
SETLUNLOADPAYMENT	Package 'SETTLEMENT_DATA'
SETLUNLOADRECOVERY	Package 'SETTLEMENT_DATA'
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 'SETTLEMENT_DATA'
SETVICBOUNDARYENERGY	Package 'SETTLEMENT_DATA'
SETVICENERGYFIGURES	Package 'SETTLEMENT_DATA'
SETVICENERGYFLOW	Package 'SETTLEMENT_DATA'
SPDCONNECTIONPOINTCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDINTERCONNECTORCONSTRAINT	Package 'GENERIC_CONSTRAINT'
SPDREGIONCONSTRAINT	Package 'GENERIC_CONSTRAINT'
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_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 'TRADING_DATA'
TRADINGPRICE	Package 'TRADING_DATA'
TRADINGREGIONSUM	Package 'TRADING_DATA'
TRANSMISSIONLOSSFACTOR	Package 'MARKET_CONFIG'
VALUATIONID	Package 'IRAUCTION'
VOLTAGE_INSTRUCTION	Package 'VOLTAGE_INSTRUCTIONS'
VOLTAGE_INSTRUCTION_TRK	Package 'VOLTAGE_INSTRUCTIONS'