Guide to Settlements Direct

0.02 Draft

May 2020

Provides participants with access to information, including settlement statements published by AEMO

Important Notice

PURPOSE

This Guide to Settlements Direct (Guide), prepared by AEMO, provides guidance for Settlements Direct under the National National Electricity Rules (Rules).

NO RELIANCE OR WARRANTY

This document does not constitute legal or business advice, and should not be relied on as a substitute for obtaining detailed advice about the National Gas or Electricity Law, the Rules or any other applicable laws, procedures or policies. While AEMO has made every effort to ensure the quality of the information in this Guide, neither AEMO, nor any of its employees, agents and consultants make any representation or warranty as to the accuracy, reliability, completeness, currency or suitability for particular purposes of that information.

LIMITATION OF LIABILITY

To the maximum extent permitted by law, AEMO and its advisers, consultants and other contributors to this Guide (or their respective associated companies, businesses, partners, directors, officers or employees) are not liable (whether by reason of negligence or otherwise) for any errors, omissions, defects or misrepresentations in this document, or for any loss or damage suffered by persons who use or rely on the information in it.

TRADEMARK NOTICES

Microsoft is a trademark of Microsoft Corporation in the United States and/or other countries.
Oracle and Java are registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

DISTRIBUTION

Available to the public.

DOCUMENT IDENTIFICATION

Business custodian: Team Lead, NEM Settlements, Strategy and Markets
IT custodian: Team Lead, Settlements and Prudential Systems
Prepared by: Technology, Technical Writers

VERSION HISTORY

Version 0.02 Initial creation.
Last update: Monday, 11 May 2020 4:21 PM

DOCUMENTS MADE OBSOLETE

The release of this document changes any previous versions of Guide to Settlements Direct.

FEEDBACK

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's support hub.

Contents

Introduction

Purpose

Settlements Direct provides participants with access to information including settlement statements published by AEMO.

Audience

This guide is for participants requiring an understanding of the Settlements Direct web interface in the EMMS Web Portal.

What's in this guide

Introduction above describes the purpose, audience, what's in the guide and how to use this guide.

Chapter 1 Need to know on page 3 explains what you need to know before you start using Settlements Direct.

Chapter 2 About Settlements Direct on page 5 explains the Settlements Direct web application, who it is for, and how to access it, and how to use the common interface features such as selecting a unit ID, date and so on.

Chapter 3 Using Settlements Direct on page 7 provides the details on the Data Access, Subscriptions and Message Delivery Log pages and the steps to use them.

Settlements Direct FAQ on page 18 provides the answers to some frequently asked questions relating to the Settlements Direct web page.

Related resources

Guide to User Rights Management, assists Participant Administrators to manage their Participant User's access to AEMO's systems. It also explains how to set up single user IDs for use with the Set Participant function in AEMO's web portals.

> You can find resources on AEMO's website.

How to use this guide

- This guide is written in plain language for easy reading.

- Where there is a discrepancy between the National Electricity Rules, and information or a term in this document, the National Electricity Rules takes precedence.

- Where there is a discrepancy between the Procedures, and information or a term in this document, the Procedures take precedence.

- **Text in this format** indicates there is a resource on AEMO's website, for details, see References on page 30

- **Text in this format** indicates a link to a related resource.

- Actions to complete in the web portal interface are **bold and dark grey**.

- Rules terms used throughout this guide are listed on page 31 and defined in the National Electricity Rules.

- Glossary terms are capitalised and have the meanings listed against them (see page 1).

- References to time are Australian Eastern Standard Time (AEST).

Chapter 1 Need to know

User rights access

To access Settlements Direct, Participant Users must have the appropriate user rights access. The access right determines the functionalities and transactions you can use to access the web portal, batch interfaces, FTP, and API services.

Participant Administrators (PAs) authorise Participant User access in MSATS. The initial PA is set up by the AEMO system administrator as part of the registration process.

Your company's participant administrator (PA) grants you permission to use NEM Credit Support.

The MSATS entity required for Settlements Direct access is:

- MMS_SETTLEMENTS_DIRECT
- MMS_SETTLEMENTS_DIRECT_PUBLISH
- MMS_SETTLEMENTS_DIRECT_ SUBSCRIBE

For more details about participant administration and user rights access, see Guide to User Rights Management.

The combination of Entity and Rights you must have to access the different Settlements Direct options are as follows:

Settlements Direct page	Entity	Right
Data Access	MMS_SETTLEMENTS_DIRECT	READ and CREATE
Subscriptions	- MMS_SETTLEMENTS_DIRECT_ SUBSCRIBE - MMS_SETTLEMENTS_DIRECT_ PUBLISH	READ, UPDATE and CREATE
Message Delivery Log	MMS_SETTLEMENTS_DIRECT	READ

Set participant

Where a Participant User has user rights assigned by more than one Participant ID, the Participant User selects the Participant ID they want to represent using the Set Participant option.

File encryption information

- Files containing private data are compressed and encrypted using **256-bit AES** encryption. You need a compression utility like **WinZip ® or 7-Zip ®** to decompress the file.

- Private data is **always** encrypted for participants with a data sharing agreement. For further information, read Data Sharing in About Data Interchange in the EMMS Web Portal.

- Participants without a data sharing agreement can accept a waiver on the Subscription interface, allowing delivery of private data by unencrypted e-mail. However, AEMO strongly recommends participants always receive private data in an encrypted e-mail.

- Confidential data must be treated in accordance with Clause 8.6 of the National Electricity Rules.

Chapter 2 About Settlements Direct

What Settlements Direct is for

Registered participants can use Settlements Direct to perform the following tasks:

- Access key information published by AEMO.

- Replace already subscribed to Data Subscription reports relating to Data Interchange on the EMMS file server. For further information, see MMS Data Interchange Guide.

- Subscribe to automatically receive information.

- Automatically notify subscribed contacts when information is available.

- View a history of previously delivered information.

- Access settlement calendars and timetables on AEMO's website.

Who can use Settlements Direct

Registered *Market Participants*, and AEMO have access to the information in the system in accordance with the National Electricity Rules.
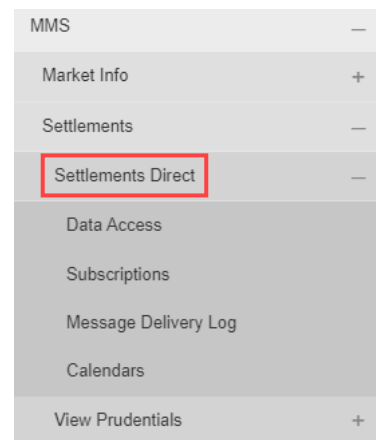
How to use Settlements Direct

Settlements Direct is part of AEMO's market software solution. It is a web-based application in the EMMS Web Portal accessed using a web browser.

Accessing Settlements Direct

1. Using your web browser, access the web portal, either:
   - 5MS Staging:
     https://portal.5ms.staging.test.marketnet.net.au/#/menu
   - Pre-production: https://portal.preprod.nemnet.net.au/
   - Production: https://portal.prod.nemnet.net.au/

2. Click Energy Market Systems and sign in using the user ID and password provided by your company's Participant Administrator (PA).

3. On the left navigation pane, click MMS, then Settlements and then Settlements Direct.

4. In the drop-down option, select from the following options:

   - Data Access

   - Subscriptions

   - Message Delivery Log

   - Calendars

   Based on your selection, the web page displays.

Chapter 3 Using Settlements Direct

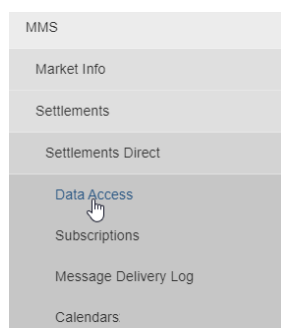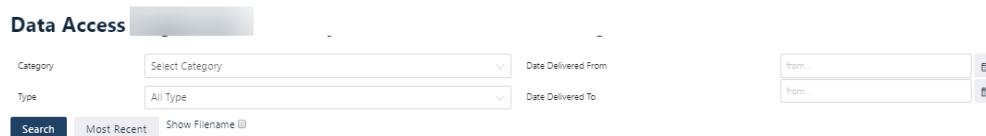## Data Access

The Data Access interface displays available AEMO information allowing you to directly access, or send the information by e-mail. The information is grouped into categories and types, with the option to sort by column heading.

To access Data Access:

- See .
- Click Data Access.

The Data Access page displays.

Using Data Access

To access data, use the following steps:

1. Select the Category using the drop down option.

2. Select the Type using the drop down option.

   Once you select the type, the Period From and Period To option displays.

4. Choose a date range or period required by selecting:

   - a Date Delivered From and Date Delivered To options.
   - the Period From and Period To using the drop down option.

> This is a mandatory field, even if you do not select Category and Type, either the Date Delivered From and Date Delivered To or the Period From and Period To fields should be included.
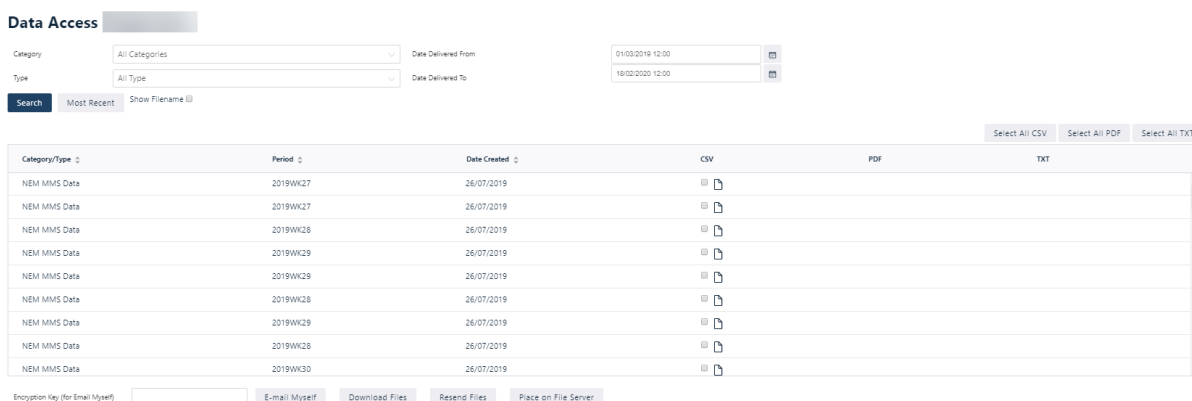
Use the Select all CSV, Select all PDF or Select all TXT buttons to select all available files in the table. These buttons are displayed based on the format of the files available.

To display the filename, toggle the Show Filename checkbox.

The table now displays the filenames of the reports generated.

Downloading Files

- Use the Download Files button to open or save the selected files to your computer. Multiple file selections are compressed into a single .ZIP file.

- Any selected private data is encrypted using the encryption key provided in the Encryption Key (for Email Myself) field. If an encryption key is not provided, the default encryption key displayed in the field is used. The default encryption key is managed in the MSATS Participant Information - View interface. For more information, see the Guide to MSATS Web Portal.

E-mailing Myself

- Any selected private data is encrypted using the encryption key provided in the Encryption Key (for Email Myself) field. If an encryption key is not provided, the default encryption key displayed in the field is used. The default encryption key is managed in the MSATS Participant Information - View interface. For more information, see the Guide to MSATS Web Portal.

- Multiple file selections are compressed into a single .ZIP file.

Resending Files

- Use the Resend Files button to send selected files to currently subscribed contacts. Each selected file is re-sent as one single file per e-mail.

Placing files on the EMMS file server

Use the Place on File Server button to:

- Place selected Data Interchange files originally subscribed to in the Subscription web page under Settlements Direct interface in the EMMS web portal, on the EMMS file server. Only files subscribed to at the time are replaced. For more information, see Guide to Data Subscription.

- Place selected files manually generated by the Settlements team on the EMMS file server. These files are in categories such as, Miscellaneous, NEM Correspondence, NEM Summary Data, and NEM Third Party Data.

> Selected files are replaced on the EMMS file server, as per the original request, they are not compressed into a single .ZIP file.

Subscriptions

To automatically receive settlement related information when it is available, use the Settlements Direct Subscriptions interface to maintain your notification selections.

To access Subscriptions:

1. See .

2. Click Subscriptions.
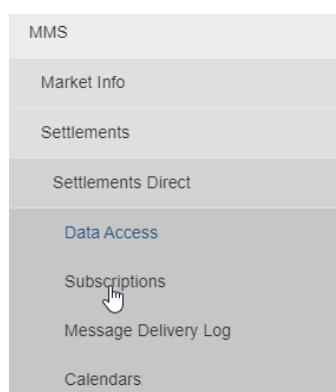
The Settlements Direct Subscriptions screen displays.

By default, the Subscriptions page displays the NEM Statements category.

Using Subscriptions

Settlements Direct Subscriptions for

Category	Type	Contact
NEM Statements	Select Type	All Contacts

Type: NEM Final Statement   Secure Delivery Attachment

Name	Contact Details	E-mail	Notify by E-mail	Notify by SMS	Contact Identifier
					REGISTRATION
					MSATSUSER

Type: NEM Makeup Statement   Secure Delivery Attachment

Type: NEM Preliminary Statement   Secure Delivery Attachment

Type: NEM Revision Statement   Secure Delivery Attachment

Type: NEM ShortFall Statement   Secure Delivery Attachment

[Submit]

To subscribe to reports, statements, alerts, use the following steps:

1. Select Category from the drop down menu.

    By default, the NEM Statements option is selected.

2. Select the Type from the drop down menu.

3. Select the Contact from the drop down menu. The list of active contacts is populated from the MSATS web portal.

4. Select your mode of notification, whether you want to subscribe to Email, Notify by Email, or Notify by SMS option.

    ○ Select the Email option to receive an email with the files.
    ○ Notify by Email option notifies you via email that the files are ready for you to fetch from the file server.
    ○ Notify by SMS option notifies you via a text message that the files are ready for you to fetch from the file server.

8. Select the Secure Delivery Attachment option if you want the notification to be secure and confirm Yes on the pop-up window. AEMO recommends the secure delivery attachment.

The following pop-up message displays if you disable the Secure Delivery Attachment.
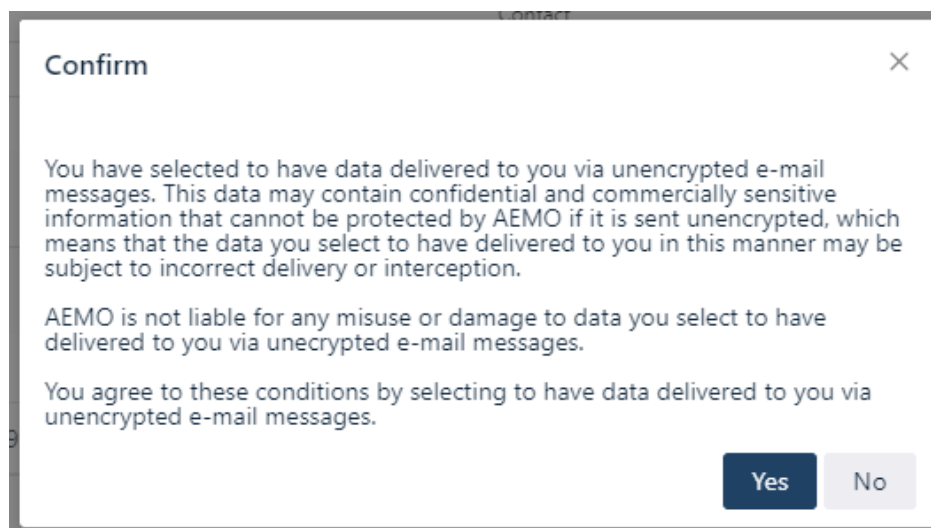
9. Click Submit to save your subscription details. Confirm your selection by clicking Update on the pop-up window.

> When you make changes in the Subscriptions interface, the changes are not saved until you click Submit.

Secured and unsecured delivery lists

- Using the unsecured delivery mode requires you to accept a waiver agreeing to the sending of unencrypted information by e-mail.

- Confidential data must be treated in accordance with Clause 8.6 of the National Electricity Rules.

Important subscription information

- Settlements Direct subscriptions are set-up to receive Settlement Direct related information only, they differ from the .CSV reports you subscribe to in the EMMS Web Portal > Data Interchange > Data Subscription interface. For more information, see EMMS Data Interchange Guide.

> The files only remain in the unsecured delivery list if you have a subscription for the file. AEMO strongly recommends participants always receive private data in an encrypted e-mail.

- You can subscribe to your confidential Data Interchange reports in Settlements Direct but you must also subscribe to the same report in the Data Subscription interface. Confidential reports in the Data Subscription interface are not created if participants are not subscribed. Examples of confidential Data Interchange reports are NEM Confidential Billing, NEM Confidential Settlements, NEM Confidential Prudential etc.

- Participants with access can set-up contacts to receive Settlements Direct information, using the MSATS Participant Contact interface. For more information on creating participant contacts, see the Guide to MSATS Web Portal on AEMO's website.

- Settlements Direct information is updated through out the day, so notifications are received at all hours. Please keep this in mind when setting-up your SMS notifications.

- Delivery of certain Settlements Direct information, such as NEM Statements is mandatory. Contacts having the REGISTRATION Contact Identifier receive mandatory Settlements Direct information. AEMO sets them up during registration. To remove or change a subscription for a REGISTRATION Contact Identifier, contact the AEMO Support Hub. While the PA is responsible for adding, removing and/or changing all other contacts.For contact details, see

Needing Help on page 27.

E-mail	Notify by E-mail	Notify by SMS	Secure Delivery Attachment ☑
			Contact Identifier
☐			REGISTRATION
☐			MSATSUSER

Message Delivery Log

The Message Delivery Log displays a history of information, previously sent from Settlements Direct.

To access Message Delivery Log:

- See Accessing Settlements Direct on page 6.
- Click Message Delivery Log.
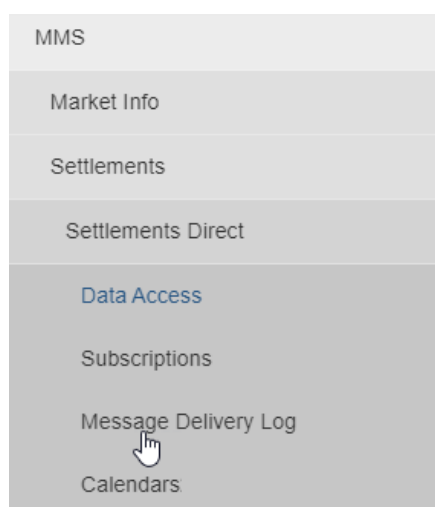
The Message Delivery Log page displays.

Viewing the message delivery log

To view the message delivery logs, use the following steps:

1. Select Contact from the drop down menu.

2. Select the Category from the drop down menu.

3. Select Type from the drop down menu.

4. Select the Date Delivered From and Date Delivered To from the calendar option.

> Names displayed in the Contact drop-down list are active contacts only.

5. Click Submit.
   The Message Delivery Log table displays.

   By default, only the date range is the mandatory values necessary for displaying the logs.

The list of names under the To column in the Message Delivery Log table, may contact names that have since been made inactive, this is because the Message Delivery Log is a history of previously sent information.

Viewing the Message Delivery Log details

To see further message delivery details, on the Message Delivery Log interface, double-click the filename of the file you want to view. The Settlements Direct Message Delivery Log displays.

Calendars

The Calendars menu provides links to the current settlement calendars and timetables on AEMO's website; they can be downloaded in various formats such as PDF, CSV, and iCalendar.

To access Calendars:

1. See Accessing Settlements Direct on page 6.

2. Click Calendars.
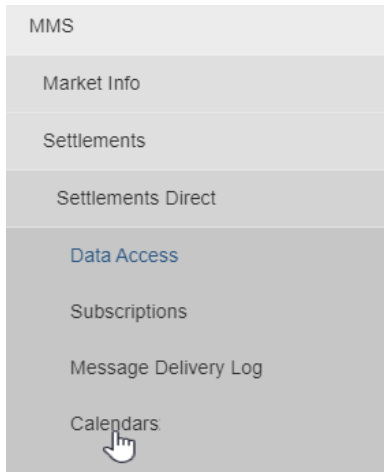
The Settlements Direct Calendars page displays.
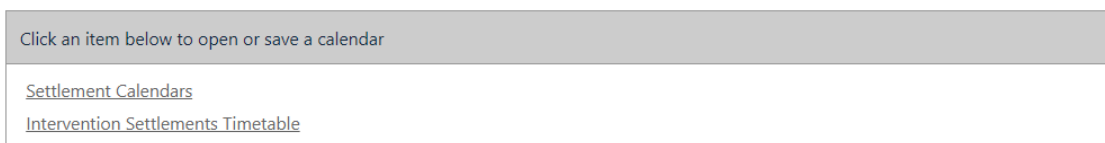
The Calendars and Settlements Timetable display.

Click the Calendar or Timetable link. This directs you to the AEMO website where you can download or save it to your machine.

Settlements Direct FAQ

Why can't I:

Change certain subscriptions?

Delivery of certain Settlements Direct information, such as NEM Statements is mandatory. Contacts having the REGISTRATION Contact Identifier receive mandatory Settlements Direct information. AEMO sets them up during registration–to remove or change a subscription for a REGISTRATION Contact Identifier, contact AEMO's Support Hub

Save my subscription changes?

After making any changes in the Subscription interface, you must click Submit to save your changes.

Save my changes to the secured and unsecured delivery lists?

Changes to the secured and unsecured delivery lists are not saved if you do not have a subscription for the file type.

See my name in the recipients list on the Subscriptions screen?

If you have access to Settlements Direct but you do not appear in the recipients list, ask your company's participant administrator to check if you have an email address defined in your MSATS account. Guide to User Rights Management, assists Participant Administrators to manage their Participant User's access to AEMO's systems. It also explains how to set up single user IDs for use with the Set Participant function in AEMO's web portals.

Place any type of file on the EMMS file server?

Only Data Interchange csv reports subscribed to at the time in the Data Subscription interface, and manually generated files placed on the EMMS file server by the settlements team (these files are in categories such as, Miscellaneous, NEM Correspondence, NEM Summary Data, and NEM Third Party Data), can be placed on the EMMS file server. If one of your selected files is not one of these files and you receive a message, please make your selections again. For more details, see Data Interchange.

Why do I:

Get the following error message when I try to access files?
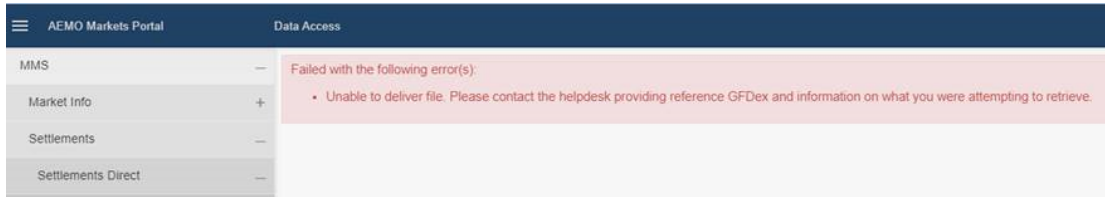
This error message displays when you try to access the archived files. A huge volume of files are produced and stored. After six months, they are archived and no longer available through the portal. Older data can be retrieved using the MMS Data Model.

Can AEMO

Re-send or email statements?

You or anyone in your company with access to the portal is able to retrieve files. They can be retrieved as per the Accessing Settlements Direct. If you are having problems accessing files, please talk to your PA first.

How can I

Get my report and statements sent to me by email when they are first produced?

You first must be set up by your PA as a contact in the portal. Files can then be set up to be via email by following the Using Subscriptions instructions from the Subscriptions.

Access data files, now that I am listed on the portal as a contact?

Files can be retrieved following the steps in Accessing Settlements Direct. You will need to click on the **Production** link.

What do I

Do if the REGISTRATION contact has left the company?

If the REGISTRATION contact has left the company and a new contact has not being designated, then the details of the new REGISTRATION contact must be sent to AEMO on company letterhead.

Appendix: Category and Type Values for NEM Settlements

This appendix lists all possible Category and Type IDs with their description and display priorities.

Publishing Categories

PUBLISHINGCATEGORYID	Description
PUBLISHINGBUSINESSID: NEM_SETTLEMENTS	
NEM_STATEMENTS	NEM Statements
NEM_CORRESPONDENCE	NEM Correspondence
NEM_SUMMARY_DATA	NEM Summary Data
NEM_MMS_DATA	NEM MMS Data
NEM_MARKET_REPORTS	NEM Market Reports
NEM_THIRD_PARTY_DATA	NEM Third Party Data
MISCELLANEOUS	Miscellaneous
SRA_STATEMENTS	SRA Statements
QLDGAS_STATEMENTS	QldGas Statements
SRA_CORRESPONDENCE	SRA Correspondence
NEM_EXT_ALERTS	NEM Alerts, Reminders and Notifications
QLDGAS_CORRESPONDENCE	QldGas Correspondence
STTM_STATEMENTS	STTM Statements
VICGAS_STATEMENTS	VicGas Statements
NEM_ALERTS	NEM Alerts
STTM_CORRESPONDENCE	STTM Correspondence
VICGAS_CORRESPONDENCE	VicGas Correspondence

PUBLISHINGCATEGORYID	Description
AEMC_MARKET_DATA	AEMC Market Data Reports
ASX_REPORTS	ASX Reports
PRICE_REPORTS	Price Reports

Publishing Types

PUBLISHINGTYPEID	Description	PERIODCLASSID
PUBLISHINGCATEGORYID: AEMC_MARKET_DATA		
AEMC_GAS_INT330_TOTALMIRNS_C	Gas Total Number of MIRNs (INT330)	CAL_MONTH
AEMC_GAS_INT331_MONTHLYCHURN_C	Gas Monthly Churn Activity (INT331)	CAL_MONTH
AEMC_GAS_INT332_COMDECOM_C	Gas Commission/Decommission Activity (INT332)	CAL_MONTH
AEMC_GAS_INT333_AGGCONSUMPTN_C	Gas Aggregated Consumption Activity (INT333)	CAL_MONTH
AEMC_ELECRETAIL_STATS_C	Elec Retail Stats	CAL_MONTH
AEMC_ELECWHLSALE_MTHLYENERGY_C	Elec Wholesale Monthly Energy	CAL_MONTH
PUBLISHINGCATEGORYID: MISCELLANEOUS		
NEM_ENERGYDATA_C	NEM Energy	DAILY_YMD
NEM_ENERGYDATA_P	NEM Public Energy	DAILY_YMD
NEM_MISC_C	Miscellaneous	DAILY_YMD
NEM_MISC_P	Public Miscellaneous	DAILY_YMD
PUBLISHINGCATEGORYID: NEM_CORRESPONDENCE		
NEM_GUARANTEE_EXPIRY_C	NEM Guarantee Expiry	DAILY_YMD
NEM_MCL_REVIEW_C	NEM MCL Review	QUARTER
NEM_PART_FEES_C	NEM Participant Fees	FIN_YEAR
NEM_SETT_UPDATE	NEM Settlement Update	NEM_SETT_UPDATE_ID
NEM_OTHER_C	NEM Other	DAILY_YMD

PUBLISHINGTYPEID	Description	PERIODCLASSID
PUBLISHINGCATEGORYID: NEM_EXT_ALERTS		
NEM_PCO_FORECAST_ EXT_ALERT	Notification: Daily Forecasted Prudential Position (Afternoon)	DAILY_YMD
NEM_ALERT_EXT_ RERT_ITT	NEM RERT ITT Alert	DAILY_YMD
NEM_PCO_POSITION_ EXT_ALERT	Notification: Daily Prudential Position Actual (Morning)	DAILY_YMD
NEM_PRUD_TRAD_ MARGIN_EXT_ALERT	Alert: Trading Limit Breach	DAILY_YMD
NEM_EARLY_PAY_ FAIL_EXT_ALERT	Alert: Unsuccessful Early Payment	DAILY_YMD
NEM_EARLY_PAY_ TODAY_EXT_ALERT	Reminder: Early Payment Due Today	DAILY_YMD
NEM_PAYER_EXT_ ALERT	Reminder: Regular Settlement Receiver, Pays Next Settlement Day	DAILY_YMD
NEM_GUAR_EXP_11_ EXT_ALERT	Alert: Bank Guarantee Due 1 Day (Expiry in 11 days)	DAILY_YMD
NEM_GUAR_EXP_20_ EXT_ALERT	Reminder: Bank Guarantee Due 10 Business Days (Expiry in 20 days)	DAILY_YMD
NEM_INSUFF_CRE_ SUPP_EXT_ALERT	Alert: Insufficient Credit Support in 5 Business Days	DAILY_YMD
NEM_BUSALERT_EXT_ RERT_CANCEL	NEM RERT Cancellation Alert	DAILY_YMD
NEM_BUSALERT_EXT_ RERT_ACT	NEM RERT Activation Alert	DAILY_YMD
NEM_BUSALERT_EXT_ RERT_PREACT	NEM RERT PreActivation Alert	DAILY_YMD
NEM_ALERT_EXT_ RERT_DACT	NEM RERT End of Activation Alert	DAILY_YMD
NEM_BUSALERT_EXT_ RERT_ADJUST	NEM RERT Amendment Alert	DAILY_YMD
PUBLISHINGCATEGORYID: NEM_MARKET_REPORTS		
NEM_REPORT_ MARKET_SUMM	NEM Market Summary Report	BILLING_WEEK

PUBLISHINGTYPEID	Description	PERIODCLASSID
NEM_REPORT_ REGION_INTER	NEM Regional Interconnector Report	BILLING_WEEK
NEM_REPORT_ REGION_SUMMARY	NEM Regional Summary Report	BILLING_WEEK
PUBLISHINGCATEGORYID: NEM_MMS_DATA		
NEM_MMS_SETT_C	NEM Confidential Settlements	BILLING_WEEK
NEM_MMS_BILLING_C	NEM Confidential Billing	BILLING_WEEK
NEM_MMS_ PRUDENTIAL_C	NEM Confidential Prudential	DAILY
NEM_MMS_METER_C	NEM Confidential Meter	BILLING_WEEK
NEM_MMS_SETT_P	NEM Public Settlements	BILLING_WEEK
NEM_MMS_BILLING_P	NEM Public Billing	BILLING_WEEK
NEM_MMS_METER_ INTER	NEM Public Interconnector Meter	BILLING_WEEK
NEM_BILLING_AER_C	Billing AER EnergyLoad	BILLING_WEEK
PUBLISHINGCATEGORYID: NEM_STATEMENTS		
NEM_STMT_ PRELIMINARY	NEM Preliminaryinary Statement	BILLING_WEEK
NEM_STMT_FINAL	NEM Final Statement	BILLING_WEEK
NEM_STMT_MAKEUP	NEM Makeup Statement	BILLING_WEEK
NEM_STMT_ SHORTFALL	NEM ShortFall Statement	BILLING_WEEK
NEM_STMT_REVISION	NEM Revision Statement	BILLING_WEEK
PUBLISHINGCATEGORYID:NEM_SUMMARY_DATA		
NEM_SUMM_ DIRECTIONS_P	NEM Directions Recovery Reconciliation	BILLING_WEEK
NEM_SUMM_NMAS_P	NEM NMAS Recovery Reconciliation	BILLING_WEEK
NEM_SUMM_DAILY_ ENERGY_C	NEM Confidential Daily Energy Summary	BILLING_WEEK
NEM_SUMM_DAILY_ ENERGY_P	NEM Public Daily Energy Summary	BILLING_WEEK
NEM_CO2E_INDEX_P	CDEII Summary Report	BILLING_WEEK

PUBLISHINGTYPEID	Description	PERIODCLASSID
PUBLISHINGCATEGORYID: NEM_THIRD_PARTY_DATA		
NEM_THIRDP_ASX	NEM ASX	QUARTER
NEM_THIRDP_ESC_C	NEM ESC	CAL_YEAR
NEM_THIRDP_ICRC_C	NEM ICRC	CAL_YEAR
NEM_THIRDP_IPART_C	NEM IPART	CAL_YEAR
NEM_THIRDP_ORER_C	NEM ORER	CAL_YEAR
NEM_THIRDP_QCA_C	NEM QCA	CAL_YEAR
NEM_THIRDP_SFE	NEM SFE	QUARTER
NEM_THIRDP_ASXMONTHLYINTERIM	NEM ASX Monthly Data (interim)	CAL_MONTH
NEM_THIRDP_AER	NEM AER	DAILY_YMD
PUBLISHINGCATEGORYID: PRICE_REPORTS		
PRICE_REPORT_ELEC_MONTHLY_C	Price Monthly Report	CAL_MONTH
PRICE_REPORT_ELEC_QUARTERLY_C	Price Quarterly Report	CAL_MONTH
PRICE_REPORT_GAS_QUARTERLY_C	Price Gas Quarterly Report	CAL_MONTH
PRICE_REPORT_GSH_MONTHLY_C	Price GSH Monthly Report	CAL_MONTH
PRICE_REPORT_GSH_QUARTERLY_C	Price GSH Quarterly Report	CAL_MONTH
PUBLISHINGCATEGORYID: QLDGAS_CORRESPONDENCE		
QLDGAS_OTHER_C	QldGas Other	DAILY_YMD
PUBLISHINGCATEGORYID: QLDGAS_STATEMENTS		
QLDGAS_STMT_PRELIMINARY	QldGas Preliminaryinary Statement	BILLING_MONTH
QLDGAS_STMT_FINAL	QldGas Final Statement	BILLING_MONTH
QLDGAS_STMT_REVISION	QldGas Revision Statement	BILLING_MONTH
PUBLISHINGCATEGORYID: SRA_CORRESPONDENCE		
SRA_OTHER_C	SRA Other	DAILY_YMD

PUBLISHINGTYPEID	Description	PERIODCLASSID
PUBLISHINGCATEGORYID: SRA_STATEMENTS		
SRA_STATEMENT_PURCHASE	SRA Final Purchase	QUARTER
SRA_STATEMENT_PROCEEDS	SRA Final Proceeds	QUARTER
SRA_STATEMENT_RECON	SRA Reconciliation	QUARTER
SRA_STATEMENT_PUR_PRELIMINARY	SRA Preliminary Purchase	QUARTER
SRA_STATEMENT_PRO_PRELIMINARY	SRA Preliminary Proceeds	QUARTER
PUBLISHINGCATEGORYID: STTM_CORRESPONDENCE		
STTM_MEL_C	STTM Minimum Exposure Letter	FIN_YEAR
STTM_OTHER_C	STTM Other	DAILY_YMD
PUBLISHINGCATEGORYID: STTM_STATEMENTS		
STTM_STMT_PRELIMINARY	STTM Preliminaryinary Statement	BILLING_MONTH
STTM_STMT_FINAL	STTM Final Statement	BILLING_MONTH
STTM_STMT_REVISION	STTM Revision Statement	BILLING_MONTH
PUBLISHINGCATEGORYID: VICGAS_CORRESPONDENCE		
VICGAS_MEL_C	VicGas Minimum Exposure Letter	FIN_YEAR
VICGAS_UAFG_PRICE	VicGas UAFG Initial Pricing	CAL_MONTH
VICGAS_UAFG_DRAFT	VicGas UAFG Draft Statement	CAL_MONTH
VICGAS_UAFG_FINAL	VicGas UAFG Final Statement	CAL_MONTH
VICGAS_OTHER_C	VicGas Other	DAILY_YMD
PUBLISHINGCATEGORYID: VICGAS_STATEMENTS		
VICGAS_STMT_PRELIMINARY	VicGas Preliminaryinary Statement	BILLING_MONTH
VICGAS_STMT_FINAL	VicGas Final Statement	BILLING_MONTH
VICGAS_STMT_REVISION	VicGas Revision Statement	BILLING_MONTH

Needing Help

System requirements

You access the web application using a web browser. You require:

- The website address where the application is located on AEMO's network:

    - Pre-production: https://portal.preprod.nemnet.net.au

    - Production: https://portal.prod.nemnet.net.au

    - Markets Portal help: https://portal.preprod.nemnet.net.au/help

- A compatible web browser. For help, see Supported web browsers.

- Access to MarketNet. If your company is a registered participant, you probably already have access because it is set up during the registration process. For more details, see Guide to Electricity Information Systems.

- A monitor capable of 1024 x 768 screen resolution.

- A user ID and password provided by your company's participant administrator (PA) who controls access to AEMO's market systems. For more details see Guide to User Rights Management.

    PAs are set up during the registration process, if you don't know who your company's PA is, contact AEMO's support hub.

> The web application runs on both Windows and Unix-like operating systems.

Environment access

The Markets Portal gives you a clear indication of the environment you are working in by providing a different background colour for the menu:

- The pre-production environment has a green menu background
- The production environment has a blue menu background.
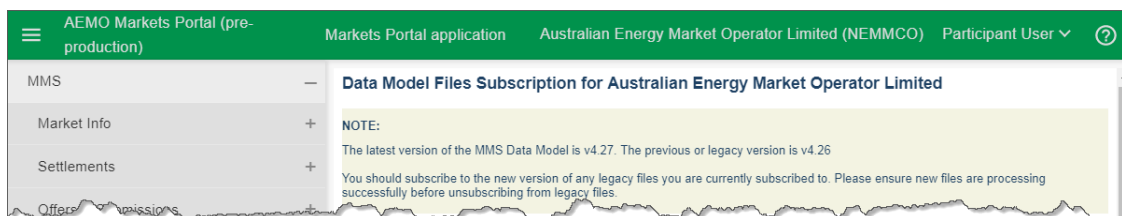
Supported web browsers

Markets Portal runs on both Windows and Unix-like operating systems. To access the Markets Portal, AEMO recommends the following web browsers:

Browser	Platform	Current	More information
Microsoft Internet Explorer	Windows	IE11	https://www.whatismybrowser.com/guides/the-latest-version/internet-explorer
Microsoft Edge (Microsoft recommended)	Windows 10	Edge	https://www.microsoft.com/en-au/windows/microsoft-edge
Google Chrome	All platforms	Latest	https://www.whatismybrowser.com/guides/the-latest-version/chrome

For the best experience, AEMO recommends using the current or previous version of Google Chrome.

AEMO's support hub

IT assistance is requested through one of the following methods:

- Phone: 1300 AEMO 00 (1300 236 600)

  For non-urgent issues, normal coverage is 8:00 AM to 6:00 PM on weekdays, Australian Eastern Standard Time (AEST).

- The Contact Us form on AEMO's website.

Information to provide

Please provide the following information when requesting assistance from AEMO:

- Your contact details
- Company name
- Company ID
- System or application name
- Environment: production or pre-production
- Problem description
- Screenshots

> AEMO recommends participants call AEMO's support hub for all urgent issues, whether or not you have logged a call using the contact us form.

For AEMO software-related issues please also provide:

- Participant ID (if Data Interchange (DI) problem)
- Version of software
- Properties or log files
- PDR Monitor support dump and DI instance name (if DI problem)

Feedback

To suggest improvements to this document, please contact the AEMO's support hub.

References

Rules Terms

Glossary

Accept
A Recipient of a B2B Message has agreed to process it further.

Access Requirements
Specific site access requirements associated with the conduct of a Service Order. See B2B Procedures: Customer & Site Details Notification Process and B2B Procedures: Service Orders Process.

Accreditation
The full process to become accredited as a B2B e-Hub Participant from application form to application successful.

Accreditation Checklists
The questions an applicant for MDP, MP, or ENM completes for accreditation.

Accredited Service Provider (ASP)
Electrically qualified personnel accredited to perform certain electrical works by the NSW or ACT Government.

Acknowledgement File
A file containing a Message Acknowledgement. See B2B Procedures: Technical Delivery Specification.

AEMO Communication
An email from AEMO to a distribution list of Registered Participant contacts broadcasting NEM-related information.

AEST
Australian Eastern Standard Time

API Gateway
Provides B2B communication options using web services or using direct connections from a compatible participant gateway. Accessible over the internet or MarketNet.

API Protocol
A B2B e-Hub delivery method.

Appointment

An agreement between the retail customer (or their agent), Service Provider and Retailer to perform requested work at a specific time. See B2B Procedures: Service Orders Process.

Approved Schema Version

A version of the aseXML schema approved by the aseXML Working Group, or its successors. Refer B2B Procedures: Technical Delivery Specification.

aseXML

A standard for energy transactions in XML. A set of schemas and usage guidelines that define how data should be exchanged under FRC in the gas and electricity industries in Australia.

aseXML Document

Refer to aseXML Message. See B2B Procedures: Technical Delivery Specification.

aseXML Guidelines

Guidelines for the development of a Standard for Energy Transactions in XML (aseXML).

aseXML Message Handler

Software that manages aseXML message interactions. See B2B Procedures: Technical Delivery Specification.

aseXML schema

Specification to describe the structure of an aseXML message.

aseXML transaction

See Transaction.

aseXML wrapped CSV transaction

An aseXML transaction that includes CSV formatted data. See B2B Procedures: Technical Delivery Specification.

ASWG

aseXML Standards Working Group

B

B2B

Business-to-Business. Generic term used to refer to defined business-to-business interactions between participants; excludes interactions between a participant and market systems such as MSATS.

B2B Acknowledgement

A generic term used to refer to an aseXML message or transaction acknowledgement, specifically within the context of a B2B interaction. A B2B acknowledgement is the physical interpretation of a Business Signal. Often referred to as being positive (indicating correctness of the associated file) or negative (indicating an error with the associated file).

B2B Browser

A web interface supporting the creation and management of a defined set of business-to-business transactions and acknowledgements. Optionally used to manage your B2B inbox and outbox. It remains part of the B2B e-Hub services.

B2B Browser Application

An application supplied by AEMO for participants to manage their MSATS B2B Handler inbox and outbox, and support the creation of a specified set of B2B Transactions.

B2B Contacts List

A list of contact details published by participants used for the purpose of contact between participants to support B2B communications according to the B2B Procedures.

B2B Delivery Method

Either API or FTP

B2B e-Hub

An electronic information exchange platform facilitating B2B Communications.

B2B e-Hub Acknowledgement

A message acknowledgement generated by the B2B e-Hub Handler, see B2B Procedures: Technical Delivery Specification.

B2B e-Hub Batch Handlers

An extension of the MSATS batch handler managing the B2B Communications between participant ID folders and AEMO. For details, see B2B Procedures: Technical Delivery Specification.

B2B e-Hub Handler Inbox

The file directory where participants publish B2B messages and acknowledgements for other participants, see B2B Procedures: Technical Delivery Specification.

B2B e-Hub Handler Outbox

The file directory where participants receive B2B messages and acknowledgements from other participants, see B2B Procedures: Technical Delivery Specification.

B2B e-Hub Participant
A participant accredited to use the B2B e-Hub, e.g. Local Retailers, Market Customers, and Distribution Network Service Providers.

B2B e-Hub Services
AEMO provides the following pre-production and production environment e-Hub services: 1. The MSATS Browser functionality accessible over MarketNet. 2. The FTP Gateway accessible over MarketNet (to support the B2B hokey-pokey protocol). 3. The e-Hub Portal functionality accessible over MarketNet or the internet. 4. The e-Hub API functionality accessible over internet or MarketNet. Either to push the messages or pull the message from the e-Hub queue using RESTful APIs.

B2B File
See B2B message

B2B Infrastructure
See National B2B infrastructure.

B2B Initiator
The participant who initiates a B2B interaction.

B2B Interaction
A complete set of related exchanges of B2B messages between two participants involving: Business Document, Business Receipt, Business Acceptance/Rejection.

B2B Mapping to aseXML
A document detailing the specific aseXML interfaces used in the implementation of B2B transactions.

B2B Message
A B2B transaction or acknowledgement sent between a B2B initiator and a B2B recipient.

B2B Notification
A B2B Transaction not having a corresponding reply.

B2B Procedures
The documents that comprise the B2B Procedures prescribing the content of, the processes for, and the information to be provided to support B2B communication.

B2B Process

A defined business process of which a B2B interaction is a key component. Examples of B2B processes are: Service Orders, Customer & Site Details, Meter Data Request, and One Way Notification.

B2B Protocol

Either the FTP or API delivery method

B2B Recipient

The receiving participant of a B2B transaction or acknowledgement (sent by a B2B initiator). As a convention, the initiator of a B2B interaction is the participant who sends the business document.

B2B Responder

Using the Responder, participants with appropriate access rights can specify the standard transactions they would like to receive. Participants can also search and track the flow of messages between the Responder and themselves.

B2B Standard

A collection of B2B procedures and supporting documentation that collectively form a coherent set of requirements (an industry B2B Standard). The components of a B2B standard are described by the B2B Standards Framework.

B2B Standards Framework

Describes the components of a B2B standard.

B2B Transaction

An aseXML realisation of a Business Document.

B2B Transaction Types

The transactions defined in the B2B Procedures. See B2B Procedures: Technical Delivery Specification.

Business Acceptance

A specific instance of a business acceptance/rejection business signal indicating acceptance.

Business Acceptance/Rejection

A business signal indicating whether a business document is accepted or rejected based on the application of business rules. See each B2B procedure for further details regarding the use of this transaction.

Business Document

Notifications, Requests, or Responses between participants, containing relevant business information for the following transactions: ▪ MeterDataNotification ▪ ProvideMeterDataRequest ▪ VerifyMeterDataRequest ▪ ServiceOrderRequest ▪ ServiceOrderResponse ▪ CustomerDetailsNotification ▪ CustomerDetailsRequest ▪ SiteAccessNotification ▪ OneWayNotification ▪ PlannedInteruptionNotification ▪ MeterFaultandIssueNotification ▪ NoticeOfMeteringWorksTransaction ▪ NotifiedPartyTransaction

Business Event

The reason for the acceptance or rejection of a B2B Transaction.

Business Receipt

A business signal indicating a business document has been received and its contents indicates if it is readable by the recipient.

Business Rejection

Specific instance of a Business Acceptance/Rejection business signal indicating a rejection.

Business Signal

An acknowledgement generated by a B2B recipient on processing a business document to indicate whether the business document is received and is readable (this business signal is called a business receipt) or it does or does not pass business rule validation (this business signal is called a business acceptance/rejection).

C

Close of Business

5.00 PM at the location of the site on a business day.

Connection Date

The date the connection point is connected to the electricity network, see B2B Procedure: Service Order Process.

CSVNotificationDetail

A defined data payload applicable only for some transactions in the One Way Notification Procedure.

Customer and Site Details

The elements of data identified in any of the notification transactions detailed in the B2B Procedures: Customer and Site Details Notification Process. See B2B Procedures: Customer and Site Details Notification Process.

Customer and Site Details Changes

Includes new, amended, additional, or removal of one or more elements of data identified in any of the notification transactions detailed in the B2B Procedures: Customer and Site Details Notification Process. See B2B Procedures: Customer and Site Details Notification Process.

Customer Classification Code

A code used to determine the classification of an retail customer. For more information, see the CATS Procedures.

Customer Details

The elements of data identified in the customer details notification transaction detailed in the B2B Procedures: Customer and Site Details Notification Process. See B2B Procedures: Customer and Site Details Notification Process.

Customer Details Changes

Includes new, amended, additional, or removal of one or more elements of data identified in any of the customer details notification transactions detailed in the B2B Procedures: Customer and Site Details Notification Process. See B2B Procedures: Customer and Site Details Notification Process

D

Data Interchange

A set of cooperating applications used to replicate data between AEMO's energy market systems and a participant's DBMS conforming to the MMS Data Model.

Data Model

The definition of the interface to participants of data published by AEMO for gas or electricity. A database conforming to the Data Model can contain a local copy of all current participant-specific data recorded in the main database. The Data Model includes database tables, indexes, and primary keys.

De-energised Site

A connection point that is not electrically connected to the network. See B2B Procedures: Service Order Process.

Delivery Method
Either the API or FTP protocol

Disconnecting officer
The service provider's personnel performing a de-energisation service order. Refer B2B Procedures: Service Order Process.

Distributor
The term DNSP is used in favour of Distributor in the B2B Procedures.

DS
Dispatch

E

e-Hub Interface
AEMO provides the following pre-production and production environment e-Hub interfaces: 1. The MSATS Browser functionality accessible over MarketNet. 2. The FTP Gateway accessible over MarketNet (to support the B2B hokey-pokey protocol). 3. The e-Hub Portal functionality accessible over MarketNet or the internet. 4. The e-Hub API functionality accessible over internet or MarketNet. Either to push the messages or pull the message from the e-Hub queue using RESTful APIs.

ebXML
Electronic Business XML. An internationally developed set of protocols for using XML. ebXML is a wide ranging standard that covers all layers of messaging. The VicGas FRC project has adopted only the transport, routing and packaging (TRP) recommendations of ebXML, and is using aseXML to define standards for message content.

EMMS Markets Portal
Wholesale Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market.

Energised Site
A connection point that is electrically connected to the network, see B2B Procedures: Service Order Process.

Event Code
A specific code used to refer to a business event defined in a B2B Procedure, see B2B Procedures: Technical Delivery Specification.

F

File Limit
Refers to the number of files in an inbox or outbox at which point the B2B Handler
generates a flow control file, see B2B Procedures: Technical Delivery Specification.

File Transfer and Acknowledgement Protocol
See MSATS File Exchange Protocol in the B2B Procedures: Technical Delivery Specification.

FTP
File transfer protocol

FTP Gateway
AEMO systems to participant systems interaction using batch processing, suitable for
Participant systems using database technology and submission or receipt of high
volumes of data. o Management of security and data distribution. AEMO recommends
this method to replicate large amounts of data

FTP Protocol
A B2B e-Hub delivery method.

Fully Tagged aseXML Transactions
An aseXML transaction not containing a CSV payload, see B2B Procedures: Technical
Delivery Specification.

H

Hazard
A health and/or safety risk at a site, see B2B Procedures: Customer and Site Details
Notification Process and B2B Procedures: Service Orders Process.

Hokey-Pokey Protocol
The FTP Protocol

I

Initiating Message
The first message in a series of related messages, see B2B Procedures: Technical Delivery
Specification.

Initiator
The participant initiating a B2B Interaction.

M

MarketNet
AEMO's private network available to participants having a participant ID

Medium Term PASA

Message Acknowledgement
An aseXML realisation of a Business Receipt.

MSATS
Retail Market Settlement and Transfer Solution

MSUG
Market Systems User Group

MW
Megawatt

MWh
Megawatt hour

N

National B2B Infrastructure
Infrastructure (software and hardware) that physically enables B2B communication between participants. This includes, but is not necessarily limited to: MSATS B2B Handler (software and hardware), MSATS B2B gateways, communications between participants and MSATS, B2B gateways, and participant gateways.

NEL
National Electricity Law

NEMDE
National Electricity Market Dispatch Engine

NEMweb
Public market data in csv file format: http://www.nemweb.com.au/

NER
National Electricity Rules

Next Scheduled Read Date
The date of the next scheduled meter read to be undertaken by the current MDP or MPC, see MSATS Procedures: CATS Procedures.

NMAS
Non-market Ancillary Service

Non-technical B2B Procedures
The B2B Procedures other than the B2B Procedures: Technical Guidelines for B2B Procedures and the B2B Procedures: Technical Delivery Specification.

Not Completed
A ServiceOrderStatus indicating the Primary Work is not complete.

Notification
A transaction that does not have a corresponding reply transaction, see Notification Business Transaction Pattern.

Notification Business Transaction Pattern
A B2B interaction characterised by one participant sending a notification transaction (e.g. CustomerDetailsNotification) to another participant without a corresponding reply transaction.

Notification Detail
Data Payload for the One Way Notification.

Notified Party
The receiver of a B2B Transaction or B2B Acknowledgement for notification purposes only and not required to perform any services for the Initiator.

O

One Way Notification
A B2B Procedure defining the standard processes and transaction data requirements for one way messaging transactions between market participants. It provides a process where participants can send messages to other participants for multiple NMIs in a single transaction.

P

PA
participant administrator

Partially Completed

A Service Order Status indicating the Recipient has completed the Primary Work but there are outstanding matters requiring attention.

Participant Administrator

Your company's PA set up by AEMO during registration

Participant Directories

Participant inbox and outbox used by the B2B e-Hub Handler, see B2B Procedures: Technical Delivery Specification.

Participant File Server

The publishing point from AEMO systems to participant systems. Each participant is allocated an account and access to private and public areas. Participants are responsible for interfacing with the participant file server.

Participant Gateways

Hardware and software used by a participant to send and receive B2B files, see B2B Procedures: Technical Delivery Specification.

Participant ID

Registered participant identifier; A company can have more than one Participant ID.

Participant Relationship

Where a participant has a role recorded in MSATS with respect to a connection point.

Participant User

An end-user, using AEMO's participant energy market systems to view and retrieve information on behalf of a participant ID. The participant users access rights are created and maintained by the participant ID's Participant Administrator.

Participant User ID

The user ID you used to login to the system.

PASA

Projected Assessment of System Adequacy

PD

Pre-dispatch

Pre-production

AEMO's test system available to participants

Previous Retailer

Refer to old retailer.

Primary Work

The activity described by the ServiceOrderType field of a Service Order Request.

Production

AEMO's live system

Prospective Retailer

Retailer who may initiate a defined B2B process on the basis that they are in the process of applying for responsibility of a given site (using the Customer Transfer process in MSATS).

Provide Meter Data Process

The provision by an MDP of metering data specifically requested by a participant, see B2B Procedures: Meter Data Process.

Put Process

The FTP Put command used to copy files between participant inboxes and outboxes, see B2B Procedures: Technical Delivery Specification.

R

Recipient

The receiver of a B2B Transaction or B2B Acknowledgement. This can be either a notification, request for data or request to perform work.

Reconciliation Process

The provision of the customer details held by the FRMP for all of their current customers in the DNSP's area at the time of the data extract, see B2B Procedures: Customer and Site Details.

Regulated Time Frame

The timing requirement imposed on a service provider by the relevant jurisdictional instrument for the conduct of the regulated service.

Reject

When used in the context of a transaction, indicates that the recipient of the transaction has rejected the transaction using a business acceptance/rejection with an ase: Status of "Reject", see all B2B Procedures.

Request and Response Transactions
See request/response business transaction pattern.

Request/Response Business Transaction Pattern
A B2B interaction characterised by one participant sending a request transaction (e.g. ServiceOrderRequest) to another participant and the other participant responding with a corresponding response transaction (e.g. ServiceOrderResponse). In some cases, a notification is sent in response to a request transaction (e.g. a MeterDataNotification providing the metering data requested in a ProvideMeterDataRequest).

Required Time Frame
The time allowed for the completion of the requested work. This period represents the regulated time frame for the performance of the work requested (where a regulated time frame exists) or an agreed period specified in the relevant B2B Procedures. See B2B Procedures: Service Order Process.

S

Self-accreditation
Stage 1 and stage 2 self-accreditation testing

Service Order
A request to perform specified work, see B2B Procedures: Service Order Process.

Service Order Process
The process of requesting the performance of specified work and receiving notification of the outcome of the request, see B2B Procedures: Service Order Process.

Service Order Request
A request made by a retailer to a service provider for a defined service to be performed at a connection point, see B2B Procedures: Service Order Process.

Service Order Response
A B2B Communication in response to a Service Order Request that includes an explanation if the work is incomplete.

Service Paperwork
Paperwork required to carry out certain Service Order Requests. For example: electrical work request or certificate of electrical safety.

Service Provider

When used in a B2B Procedure, refers to the DNSP, MDP, or MPB.

Set Participant

Where a Participant User has user rights assigned by more than one participant ID, the Participant User can select the participant ID they want to represent using the Set Participant option in the web portals.

STPASA

Short-term Projected Assessment of System Adequacy; 7 days worth of data

T

Technical Delivery Specification

The B2B Procedures: Technical Delivery Specification. Defines the technical requirements for communicating B2B messages between participants using the MSATS B2B Handler or contingency systems.

Technical Guidelines

Refers to the B2B Procedures: Technical Guidelines for B2B Procedures.

Timing Period

Period between two timing points.

Timing Point

Point in time when an activity occurs.

Timing Requirement

The timing points when an activity must be initiated or an activity completed.

Transaction Acknowledgement

An aseXML realisation of a business acceptance/rejection.

Transaction Group

The transaction group field in an aseXML Message, see B2B Procedures: Technical Delivery Specification.

Transaction Message

An aseXML realisation of a business document.

Transaction Model

The physical exchange of B2B messages to complete a B2B interaction.

Transaction Priority

An element in an aseXML message allowing the sender to indicate their preference in terms of timeliness of processing for the message contents. The three allowable values are "High", "Medium" and "Low". As used in terms such as Medium Priority or Low Priority.

U

URM

User Rights Management; see the Guide to URM on AEMO's website

V

VPN

Virtual Private Network

X

XML

eXtensible Mark-up Language.

Z

Zip

A file containing business data with filename extensions of .zip, are compressed, and contain one file with a filename extension of .XML. The XML file contains the XML coded message data.

Index