

Guide to MSATS B2B

Version 13.01

October 2021

Provides information about the B2B e-Hub
functions available in the Market Settlement and
Transfer System (MSATS)



Important Notice

PURPOSE

This Guide to MSATS B2B (Guide), prepared by AEMO, provides guidance for B2B e-Hub under the NER (Rules).

Important Notice

AEMO has prepared this Guide to MSATS B2B (Guide) to provide guidance on the use of the B2B e-Hub under the National Gas or Electricity Rules (Rules), as at the date of publication.

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Introduction

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Purpose

Provides information about the B2B e-Hub functions available in the Market Settlement and Transfer System (MSATS)

Audience

This guide is relevant to B2B E-Hub Participants. A secondary audience is company's Participant Administrators (PAs) wanting to know the user rights entities for their Participant Users.

What's in this guide

Need to Know on page 4 provides information about related procedures, rules, assumed knowledge, prerequisites, related documents, and user rights access.

About B2B e-Hub on page 8 describes who can use, how to use, and how to access MSATS B2B.

B2B Browser on page 10 provides assistance with using your B2B folders for handling B2B transactions delivered between B2B E-Hub Participants.

B2B Responder on page 87 explains how to use the B2B Responder to test B2B transactions to track the flow of messages between the Responder and your participant ID.

Needing Help on page 99 provides related resources, information about contacting AEMO's Support Hub, and how to provide feedback.

References on page 109 provides a list of related information mentioned throughout this guide.

Terms on page 107 explains the Rules terms used throughout this guide and where to find explanations for other capitalised words.

For information about the technical specifications for the delivery of B2B Transactions using the B2B e-Hub API Gateway, see Market Protocol Technical Guide.

How to use this guide

- This document is written in plain language for easy reading.
- Where there is a discrepancy between the Rules, NEL or information or a term in this document, the Rules and NEL prevail.
- If there are any inconsistencies between the MSATS Procedures and the B2B Procedures, the MSATS Procedures prevail.
- If there are any inconsistencies between this guide and the B2B Procedures, the B2B procedures prevail.

- Diagrams are provided as an overview. In case of ambiguity between a diagram and the text, the text prevails.
- **Text in this format** indicates a resource on [AEMO's website](#).
- **Text in this format** indicates a direct link to a related resource.
- **Text in this format** are actions to complete in the Markets Portal interface.
- Glossary terms are capitalised and have the meanings listed against them in the [Retail Electricity Market Glossary and Framework](#).
- Rules terms are capitalised and defined in the NER. Any rules terms not in this format still have the same meaning.
- References to time are Australian Eastern Standard Time (AEST). The **B2B Procedures** refer to the local time applicable at the Site where a B2B Transaction relates.
- The expressions **within one Business Day or next Business Day** in the **B2B Procedure: Service Order Process** mean by 11:59 pm the next Business Day.
- References to currency are to Australian dollars.

Need to Know

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Related rules and procedures

The following resources are related to MSATS B2B:

- [Australian Energy Market Commission \(AEMC\)](#)
- [Australian Energy Regulator \(AER\)](#)
- [B2B Procedures](#)
- [Current National Electricity Rules](#)
- [Retail Electricity Market Procedures - Glossary and Framework](#)

Related resources

You can find resources mentioned throughout this guide on AEMO's website:
www.aemo.com.au.

B2B Guide: Describes how B2B Communications are used in standard processes in the NEM.

B2B Mapping to aseXML: Provides an understanding of the connection between aseXML and the B2B Procedures.

B2B Validation Module Software and Guide: A validation application participants can embed in their B2B systems to validate an .XML file before it is deployed to the B2B e-Hub.

B2B Validation Module Matrix: B2B aseXML schema validation spreadsheet.

Guide to B2B e-Hub Self-Accreditation: Assists intending B2B e-Hub Participants to understand the B2B e-Hub (e-Hub) self-accreditation process.

Guide to Transition of aseXML: Provides information for participants transitioning to another aseXML schema version.

MSATS Participant Batchers Software and Guide: Sample software and guide for using the MSATS file interface.

Participant Batchers Software and Guide: to move files from their local MSATS participant folders to their AEMO MSATS participant folders.

Shared Market Protocol (SMP) Technical Guide: Provides participants with the technical specifications for the delivery of B2B transactions using the B2B e-Hub APIs. This detail assists participants developing their own systems to utilise these APIs.

Assumed knowledge

This guide assumes you have knowledge of the:

- [Retail Electricity Market Procedures - Glossary and Framework](#)
- [B2B Procedures](#)
- [aseXML Standards](#)

Prerequisites

To use the production B2B e-Hub you must be a Registered B2B E-Hub Participant. To become a Registered B2B e-Hub Participant, you must gain accreditation, for details, see [Guide to B2B e-Hub Self-Accreditation](#).

User rights access

Providing you have the appropriate access rights, the B2B functions discussed in this guide display in the MSATS main menu. Depending on your access rights, the menu items you see may differ. Speak with your company's Participant Administrator to discuss your access rights.

To access the B2B e-Hub, 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.

For more details about participant administration and user rights access, see [Guide to User Rights Management](#).

Participant user types

User rights fall into two categories, ordinary user and Participant Administrator (PA). Many Participant Users can share the same right, or a right can be created for an individual.

A summary of these rights are:

- **Participant administrators (PAs)** are users who are assigned an administrator right for their company. They maintain users from their company's point of view. PAs create new users and assign rights within their company. Administrators can only assign equal or lesser rights than they have themselves when creating a new user.
- **Ordinary user** are participant users who use MSATS to submit and complete transactions or to look up and download information.

URM entities

Participant administrators assign different entity types to participant users depending on the interface they use:

- **Batch:** For transactions using the batch handlers (file interface).
- **Interactive:** For access to the MSATS web portal and web services.

For the entities to provide for access to each B2B function, see the User Rights Access section for each functionality.

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Who can use B2B e-Hub

Registered Market Participants, Third Party B2B Participants, Energy Ombudsman, and AEMO have access to the information in the system in accordance with the National Electricity Rules (NER).

How to use B2B e-Hub

You can use the B2B e-Hub with the following interfaces:

1. B2B Browser and B2B Responder in the Markets Portal (this guide).
2. FTP to the Participant File Server.

For help, see [Technical Guide to MSATS](#) > File interface (FTP).

4. B2B API e-Hub.

For help, see [Shared Market Protocol \(SMP\) Technical Guide](#).

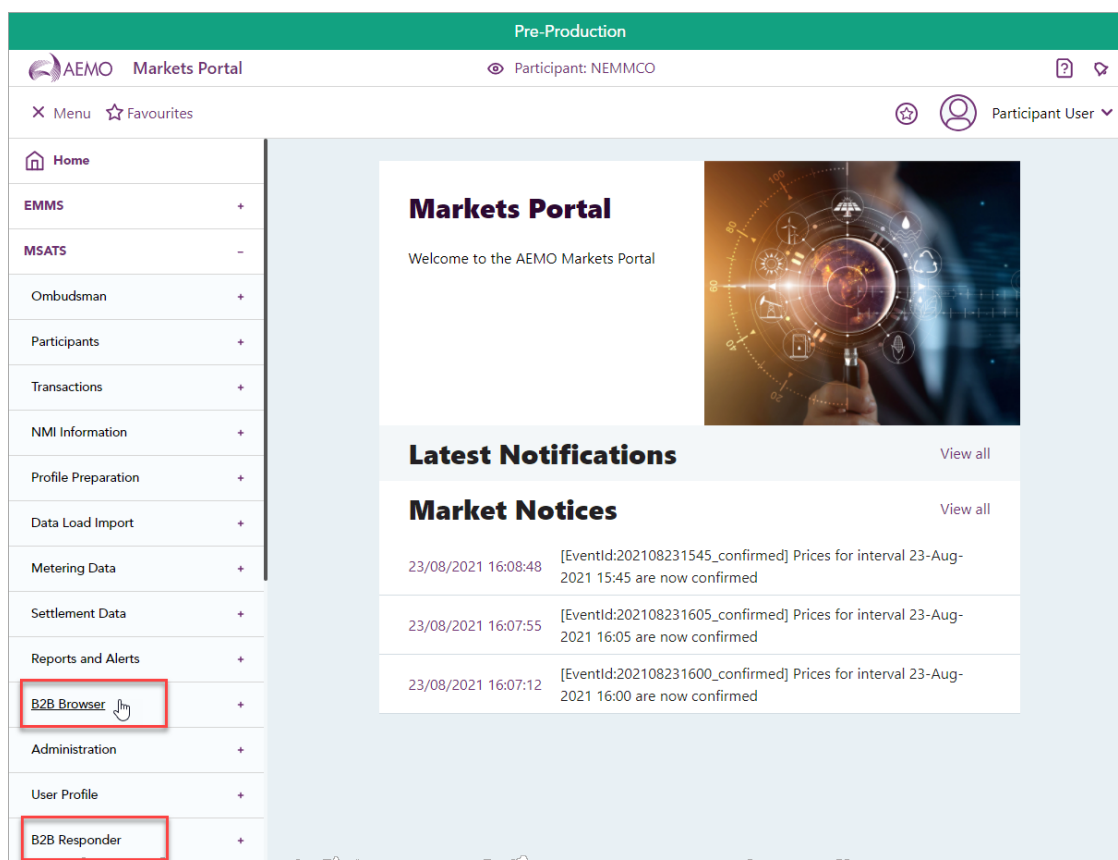
For help with web browsers and other access issues, see [System requirements on page 103](#).

Accessing B2B e-Hub

1. Using your web browser, access the Web Portal, either:
 - a. Pre-production: <https://portal.preprod.marketnet.net.au>
 - b. Production: <https://portal.prod.marketnet.net.au>

The web portal gives you a clear indication of the environment you are working in with the pre-production environment having a header at the top of the page.

2. Login with your **Username** and **Password** provided by your Participant Administrator. For help, see [User rights access on page 6](#).
3. Click **MSATS** and then **B2B Browser** or **B2B Responder**.

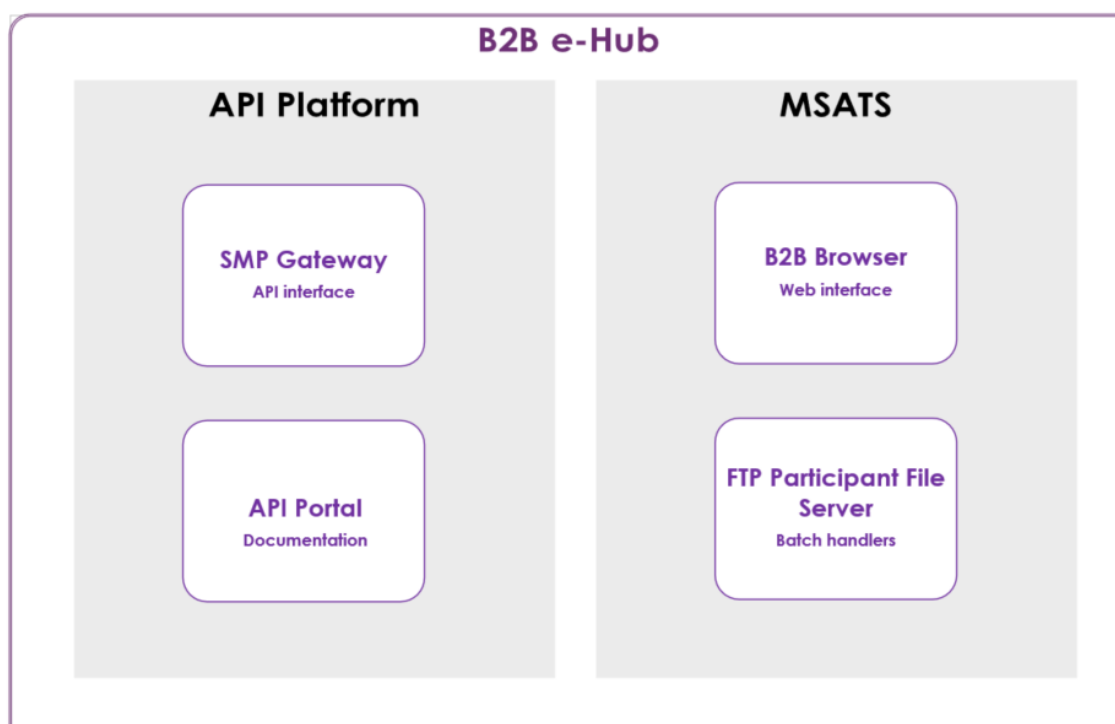


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About the B2B Browser

Along with the API Platform and FTP Participant File Server, the B2B Browser and Batch Handlers are components of the B2B e-Hub.



Providing you have the appropriate access rights, the **B2B Browser** menu displays in the MSATS main menu. Depending on your access rights, the menu items discussed in this chapter may differ to the ones you see or have access to. For help with user access rights, see [User rights access on page 6](#).

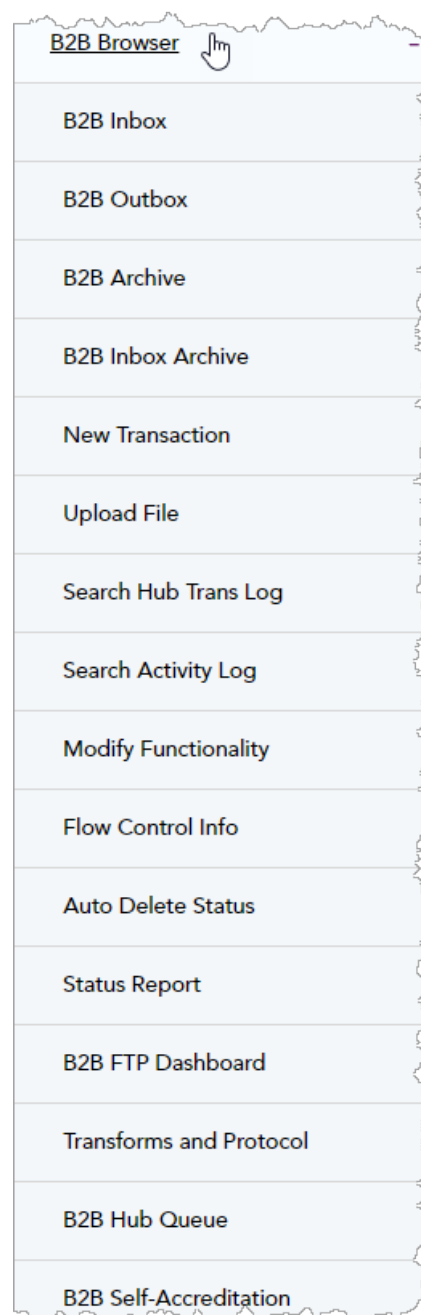
For help with B2B procedures and transactions, see [B2B Procedures](#).

For information about the technical specifications for the delivery of B2B Transactions using the B2B e-Hub API Gateway, see [Shared Market Protocol \(SMP\) Technical Guide](#).

B2B participant file server

The MSATS Participant File Server has B2B folders for handling B2B transactions delivered between B2B Participants. These B2B folders reside under the B2B directory within the root path of your participant directory and include the following:

- **B2B Inbox:** B2B e-Hub Participants have read or write access to their B2B Inbox where they place their B2B Messages or Acknowledgements when initiating or acknowledging a transfer.
- **B2B Outbox:** B2B e-Hub Participants only have read access to their B2B Outbox where they receive B2B Messages and Acknowledgements from other B2B Participants.
- **B2B Archive:** B2B e-Hub Participants only have read access to their B2B Archive, it is where all acknowledged B2B Messages are moved.



- **B2B Inbox Archive:** B2B e-Hub Participants only have read access to their B2B Inbox Archive. When the first level acknowledgement (ac1) takes place in the B2B Inbox, it is archived into the B2B Inbox Archive folder.

For more details about the Participant File Server, see Interfaces in [Technical Guide to MSATS](#).

B2B inbox

This interface is for B2B E-Hub Participants using the FTP Protocol to manage and acknowledge B2B Messages sent from other B2B E-Hub Participants.

Participants Users with access rights can read and write to the B2B Inbox where they can place B2B messages or acknowledgements. Access to the inbox is through the MSATS participant file server or the MSATS B2B Browser.

The B2B Inbox is used by FTP participants only.

B2B Inbox user rights access

For access to the B2B Inbox, PAs select the **B2B Directory Inbox** entity in the Administration >Maintain Rights menu.

To acknowledge B2B messages, PAs select the **B2B Message Acknowledgement** entity in the Administration >Maintain Rights menu.

Searching the B2B inbox

1. On the main menu, click **B2B Browser**, and then click **B2B Inbox**.

B2B Inbox		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Search Criteria			
Search Type (*):		General Search	
Filename Filename Regular Expression: <input type="text"/>			
Assisted Filename Transaction Group: <div>SITE SORD MTRD CUST</div> Priority: <input type="text"/>			
File Type: <input type="text"/>			
Last Modified From Date (dd-MMM-yyyy): <input type="text"/>		Last Modified From Time (hh:mm:ss): <input type="text"/>	
Last Modified To Date (dd-MMM-yyyy): <input type="text"/>		Last Modified To Time (hh:mm:ss): <input type="text"/>	
Sort Order			
Sort By (*):		Order (*):	
Filename		Ascending	
Then By: <input type="text"/>		Order: <input type="text"/>	
Search		Reset	

- Click the **Search Type** drop-down arrow and select a search type (this is a required field):
 - General Search:** search for all file types.
 - ZIPS for Deletion:** search for .zip files that have a corresponding .ack and .ac1 file in the B2B Outbox.
 - ACKS for Deletion:** search for .ACK files that do not have a corresponding .zip file in the B2B Outbox.
- Click the **Filename** field and type an expression to match the target filename.
- The **Assisted Filename** field is used to search for **Transaction Group**, **Priority** and **File Type**.

5. In the **Last Modified Date** and **Time** fields, you can search for files that fall within a defined date and time range.
6. In the **Sort Order** section, select how to display your search results. The **Sort By** and **Order** fields are required. There are two orders you can sort by: The first is given priority, and then within the first sort result, the second order is performed. In the example below, the results are sorted first by **Extension** in **Ascending** order and then by **Last Modified** date in **Descending** order.
7. Click **Search** or **Reset** to clear all fields and start again.
8. The search results display. In the example below, the results are sorted first by file **Extension** in **Ascending** order and then by **Last Modified** date in **Descending** order.

A blank field acts as a wildcard. For example, a blank field for **Transaction Group** has the effect of searching all transaction groups.

Sort Order			
Sort By (*):	Extension	Order (*):	Ascending
Then By:	Last Modified	Order:	Descending
<input type="button" value="Search"/> <input type="button" value="Reset"/>			
B2B Inbox Contents: X:\fs_b2b_test\NEMMO\B2B\inbox			
<input type="button" value="Delete Selected"/> <input type="button" value="Select All"/> <input type="button" value="De-select All"/>			
Filename	Last Modified	Size (Bytes)	Action
<input type="checkbox"/> iordmintegmpb2bb1112922941855000.acx	18-Apr-2006 14:31:12	769	Download
<input type="checkbox"/> iordm_agle_b2bb_1112772193038000.acx	18-Apr-2006 14:31:12	766	Download
<input type="checkbox"/> iordm_agle_b2bb_1112834147621800.acx	18-Apr-2006 14:28:54	766	Download
<input type="checkbox"/> iordmnammosb2bb1113801547489000.zip	18-Apr-2006 15:19:05	829	Download
<input type="checkbox"/> iordmnammosb2bb1113800427523000.zip	18-Apr-2006 15:00:22	795	Download
<input type="checkbox"/> iordmnammosb2bb11137990451211000.zip	18-Apr-2006 14:37:23	857	Download
<input type="checkbox"/> iordmnammosb2bb1113798337513000.zip	18-Apr-2006 14:25:36	814	Download
<input type="checkbox"/> inrdmnammosb2bb1113798238541000.zip	18-Apr-2006 14:23:57	762	Download
<input type="checkbox"/> inrdmnammosb2bb1113798188830000.zip	18-Apr-2006 14:23:07	762	Download
<input type="checkbox"/> iudmintegpb2bb1112848868422000.zip	7-Apr-2006 14:27:48	594	Download
<input type="checkbox"/> iudmnammosb2bb1112847648816000.zip	7-Apr-2006 14:21:07	700	Download
<input type="checkbox"/> iudm_customer_details.zip	6-Apr-2006 17:17:50	1872	Download
<input type="button" value="Delete Selected"/> <input type="button" value="Select All"/> <input type="button" value="De-select All"/>			

9. Next do one of the following (only available to users with appropriate access rights):
 - View a file by clicking the filename in the **Filename** column.
 - Download a file by either:
 - Clicking **Download** next to the required file in the **Action** column.

- Viewing the file and clicking **Download** from the **View Message Acknowledgement interface**.
- Select files by either:
 - Placing a tick next to the filename (☒.
 - Clicking **Select All** to select all files.
 - Clicking **De-select All** to untick selected files.
- Delete a file by either (this option is only available to participants with the relevant rights):
 - Clicking **Delete** in the **Action** column for the relevant file.
 - Selecting the files for deletion and clicking **Delete Selected**.

B2B outbox

This interface is for B2B E-Hub Participants using the FTP Protocol to manage and acknowledge B2B Messages sent from other B2B E-Hub Participants.

The B2B Outbox contains received files. Access to the outbox is through the Participant File Server or the B2B Browser in the MSATS web portal. The B2B E-Hub archives completed B2B transactions after 10 days, [B2B archive on page 35](#).

The B2B Outbox is used by FTP participants only.

B2B outbox user rights access

For access to the B2B Outbox, Participant Administrators select the [B2B Directory Outbox](#) entity in the Administration > Maintain Rights menu.

Searching the B2B outbox

1. On the main menu, click **B2B Browser** and then click **B2B Outbox**.

B2B Outbox		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Search Criteria			
Search Type (*):		General Search ▼	
<input checked="" type="radio"/> Filename Filename Regular Expression: <input type="text"/>			
<input type="radio"/> Assisted Filename Transaction Group: <div> <div>SITE</div> <div>SORD</div> <div>MTRD</div> <div>CUST</div> </div> Priority: <input type="text"/>			
File Type: <input type="text"/>			
Last Modified From Date (dd-MMM-yyyy): <input type="text"/>		Last Modified From Time (hh:mm:ss): <input type="text"/>	
Last Modified To Date (dd-MMM-yyyy): <input type="text"/>		Last Modified To Time (hh:mm:ss): <input type="text"/>	
Sort Order			
Sort By (*): <input type="text"/>		Order (*): <input type="text"/>	
Then By: <input type="text"/>		Order: <input type="text"/>	
<input type="button" value="Search"/>		<input type="button" value="Reset"/>	

2. Click the **Search Type** drop-down arrow and select a search type (this is a required field):
 - **General Search**: search for all file types.
 - **Unacknowledged Zips**: searches for .zip files that do not have a corresponding .ACK file in the B2B Inbox.
3. Select the **Filename** field, type a regular expression to match the target filename.
4. The **Assisted Filename** field is used to search for specific criteria: **Transaction Group**, **Priority** and **File Type**.

Note: a blank field acts as a wildcard. For example, a blank field for **Transaction Group** has the effect of searching all transaction groups.

5. In the **Last Modified Date** and **Time** fields, you can search for files that fall within a defined date and time range.
6. In the **Sort Order** section, select how to display your search results. **B2B inbox on page 14**.
7. Click **Search**.
Click **Reset** to clear all fields and start again.
8. The Search Results display. Next do one of the following (only available to users with appropriate access rights):
 - View a file by clicking the filename in the **Filename** column.
 - Download a file by either:
 - Clicking **Download** next to the required file in the **Action** column.
 - Viewing the file and clicking **Download** from the **View Message Acknowledgement interface**.
 - Select files by either:
 - Placing a tick next to the filename (☒.
 - Clicking **Select All** to select all files.
 - Clicking **De-select All** to untick selected files.
 - Delete a file by either (only available to users with appropriate access rights):
 - Clicking **Delete** in the **Action** column for the relevant file.
 - Selecting the files for deletion and clicking **Delete Selected**.

B2B hub queue

About the B2B hub queue

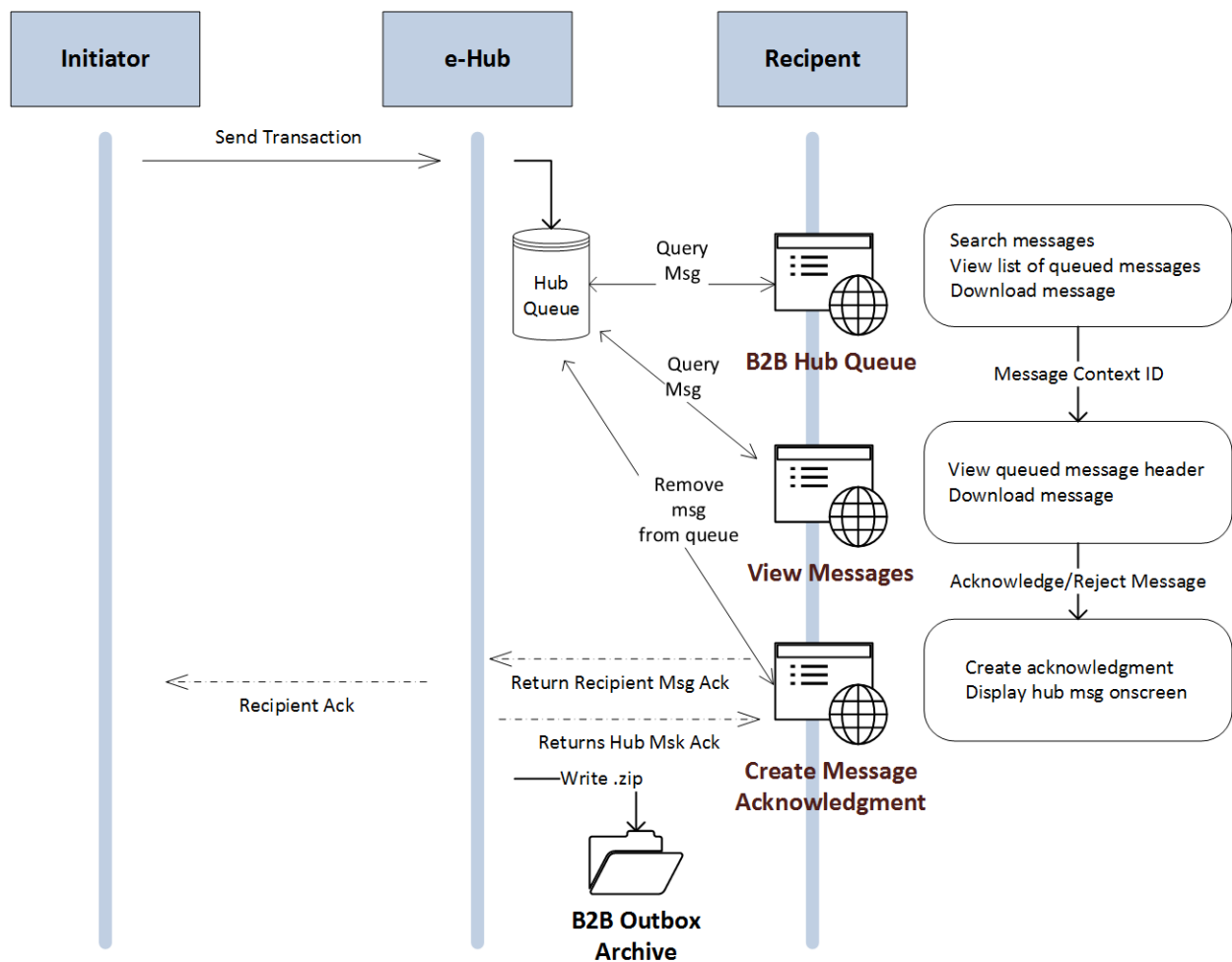
This interface is for B2B E-Hub recipients using the API Protocol to manage and acknowledge B2B Messages. The B2B Hub Queue reflects queued messages in the B2B e-Hub API Gateway only. Participants can only view their own B2B Hub Queue.

B2B Recipients can:

- View all e-hub queued B2B retail transaction messages.
- Download an aseXML retail transaction message.
- Acknowledge a B2B retail transaction message and remove it from their queue.

This interface does not support the FTP Protocol B2B messages, see [B2B inbox on page 14](#).

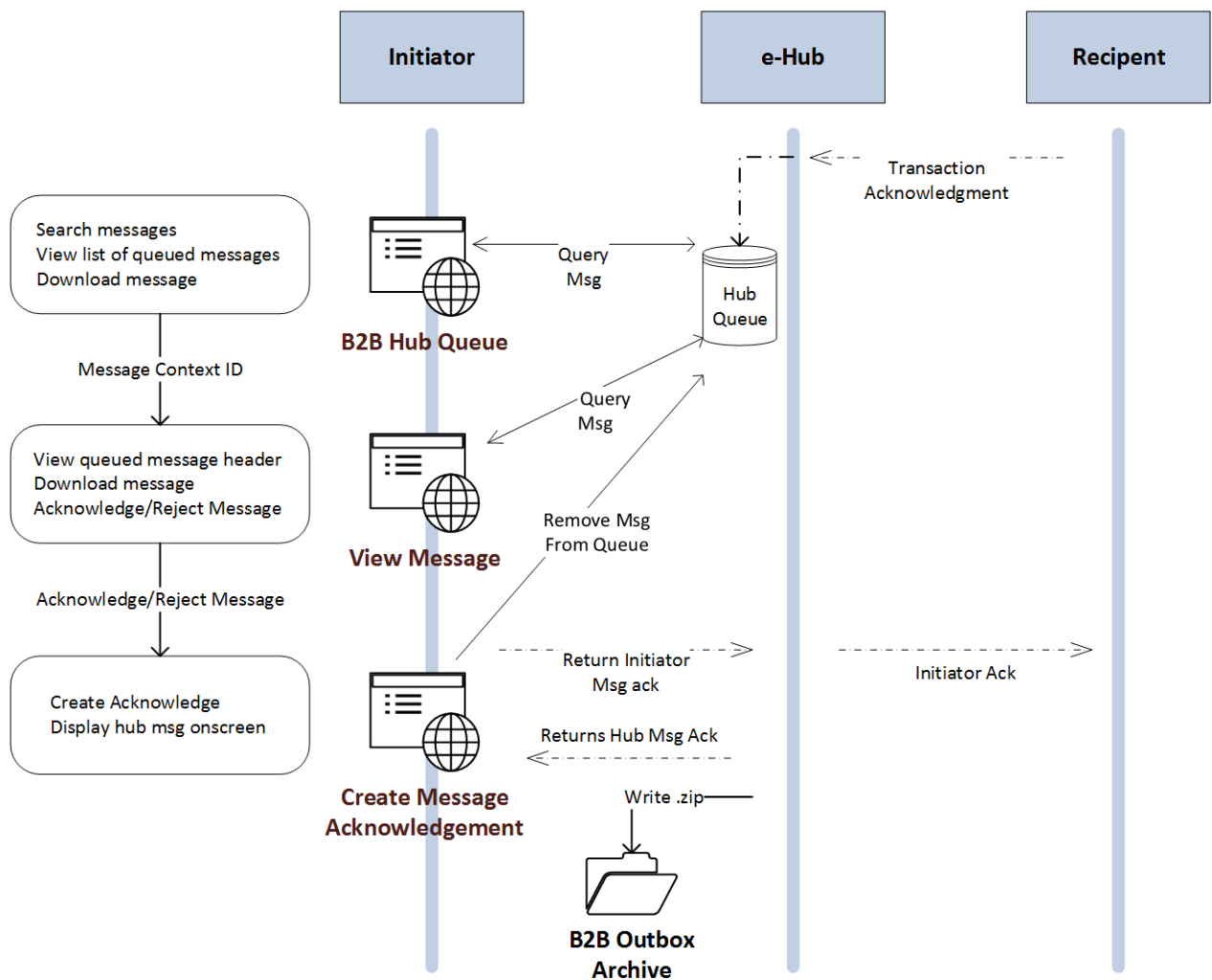
Figure 1 Manage Recipient transaction messages



B2B Initiators can:

- View all e-hub queued B2B retail transaction acknowledgements.
- Download an aseXML B2B retail transaction acknowledgement.
- Download an aseXML message acknowledgement.
- Delete a message acknowledgement from their queue.
- Acknowledge a B2B retail transaction acknowledgement and remove it from their queue.

Figure 2 Manage Initiator transaction messages



B2B hub queue user rights access

For access to the B2B Hub Queue, Participant Administrators select the **B2B Hub Queue** entity in the **Administration > Maintain Rights** menu.

Access the B2B hub queue

You cannot view or execute actions against messages and message acknowledgements with a status of Parked.

1. On the main menu, click **B2B Browser** and then click **B2B Hub Queue**.
2. The **B2B Hub Queue** interface displays with the following functionality, similar to the B2B Outbox interface:
 - a. **Messages and Errors:** Reports the count of messages in the hub and the count of messages matching the search criteria, after each search.
 - White text = normal messages.
 - Yellow text = error messages.
 - b. **Search criteria**
 - c. **B2B Hub Queue Contents.** Displays the list of files that match your search criteria so you can view, reject, or delete messages.

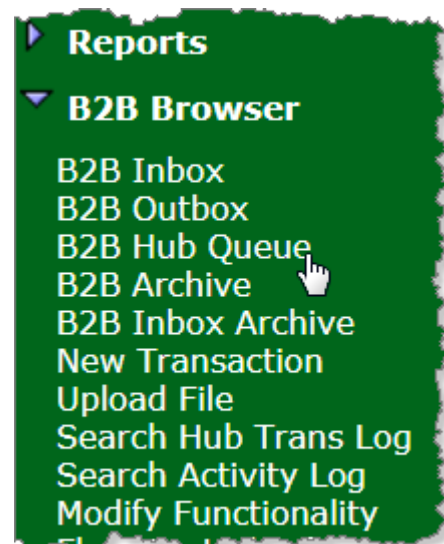


Figure 3 B2B Hub Queue interface

B2B Hub Queue

Participant ID: NEMMCO
Participant Name: Australian Energy Market Operator Limited

a 6 Message(s) Match Search Criteria
17 Message(s) Total Queued

b Search Criteria

☐ Message Context ID / File Name
Message Context ID / File Name (* as wildcard):

☐ Assisted Filename

Transaction Groups:
SORD
MTRD
CUST
OWNP

Message Type:
Priority:
From Participant ID:
Participant Message ID:

Received From Date (dd-mmm-yyyy): Received From Time (hh:mm:ss):
Received To Date (dd-mmm-yyyy): Received To Time (hh:mm:ss):

Search Reset

If a button or link is inactive, you do not have permission to perform the action

c B2B Hub Queue Contents

Delete Selected Acknowledgments Select All Acknowledgments De-Select All Acknowledgments
Acknowledge Selected Messages Select All Messages De-Select All Messages

	Context ID / File Name	Message ID	Message Type	Received Date	Priority	From	Action
<input type="checkbox"/>	file 1	B2B-1	Transaction Message	recievedDate	Low	CITIPP	• Download • Reject
<input type="checkbox"/>	file 2	B2B-2	Message Acknowledgement	recievedDate	Medium	CITIPP	• Download • Delete
<input type="checkbox"/>	file 3	B2B-3	Transaction Acknowledgement	recievedDate	High	CITIPP	• Download • Reject

View file Sort by column headings View, reject, or delete message

Next you can:

- Sort messages. For help see [Figure 3 above](#)
- Click the **Context ID / File Name** to view the message. For help, see [Figure 3 above](#).
- Select files by either: Placing a tick next to the filename (☒) , clicking **Select All** to select all files, clicking **De-select All** to untick selected files. For help, see [Access the B2B hub queue on the previous page](#).

- d. View a file by clicking the filename in the **Filename** column. For help, see [Access the B2B hub queue on page 25](#).
- e. [Download or acknowledgement a message on page 29](#).
- f. [Acknowledge or reject messages on page 30](#).
- g. [Delete messages or acknowledgements on page 32](#).

Search the B2B hub queue

1. [Access the B2B hub queue](#) for help, see page [Page 25](#).
2. Select your search type, either:
 - a. **Message Context ID / File Name**: type a regular expression to match the target filename.
 - b. **Assisted Message Search**: Used to search for specific criteria: **Transaction Group, Message Type, Priority, Participant ID, and received dates**.

A blank field acts as a wildcard. For example, a blank **Transaction Group** field has the effect of searching all transaction groups.

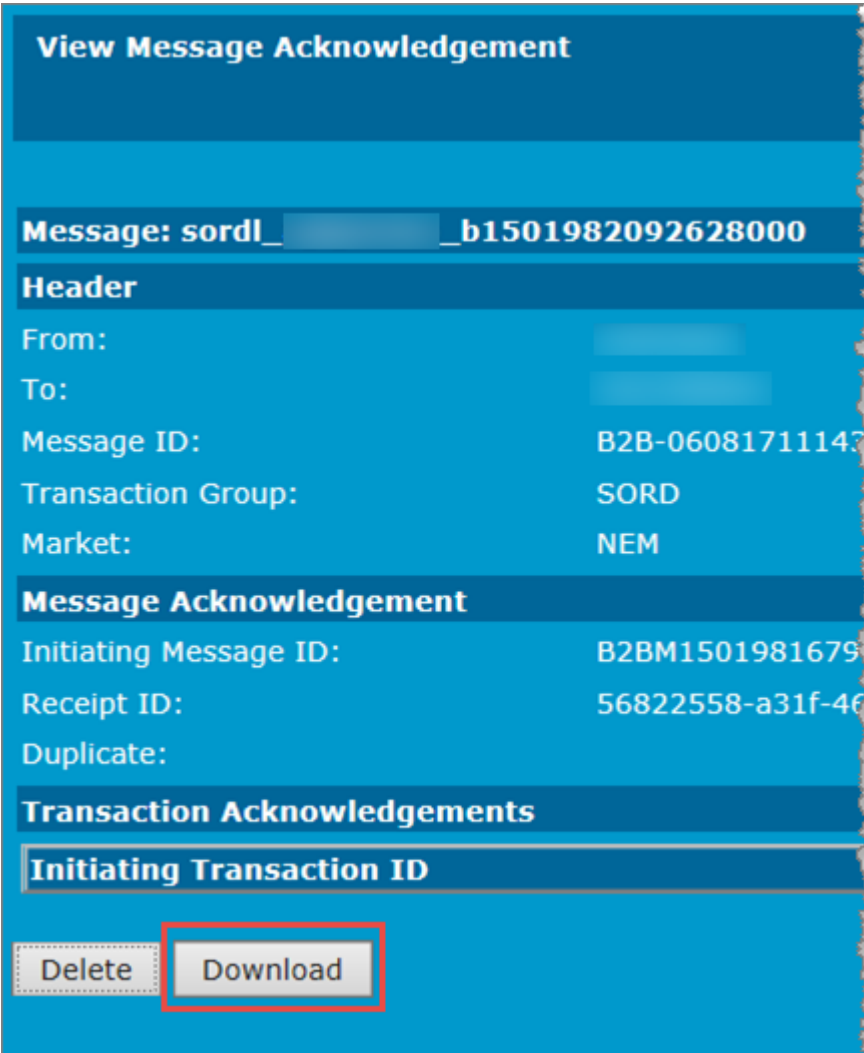
3. Click **Search**. To clear all fields and sort orders, click **Clear**.
4. The received messages or acknowledgements display in Message Context ID ascending order. Use the column headings to sort the results. For help, see [Figure 3 on page 26](#).

If you see a similar message: **Your search will return more than nnn results. Please refine your search criteria to return a smaller result set**, you have more than 600 search results. You need to narrow your search criteria.

5. Next do one of the following:
 - a. Sort messages. For help see [Figure 3 on page 26](#)
 - b. Click the **Context ID / File Name** to view the message. For help, see [Figure 3 on page 26](#).
 - c. Select files by either: Placing a tick next to the filename (☒) , clicking **Select All** to select all files, clicking **De-select All** to untick selected files. For help, see [Access the B2B hub queue on page 25](#).
 - d. View a file by clicking the filename in the **Filename** column. For help, see [Access the B2B hub queue on page 25](#).
 - e. [Download or acknowledgement a message on the next page](#).
 - f. [Acknowledge or reject messages on page 30](#).
 - g. [Delete messages or acknowledgements on page 32](#).

Download or acknowledgement a message

1. Search for the message. For help, see page [Page 27](#).
2. In the search results, do one of the following:
 - a. Click [Download](#) in the [Action](#) column.
 - b. Click the [Context ID / File Name](#) to view the message and then click [Download](#).
For help, see [Figure 3 on page 26](#).



View Message Acknowledgement

Message: sordl_ [redacted] _b1501982092628000

Header

From: [redacted]
To: [redacted]
Message ID: B2B-06081711147
Transaction Group: SORD
Market: NEM

Message Acknowledgement

Initiating Message ID: B2BM1501981679
Receipt ID: 56822558-a31f-46
Duplicate:

Transaction Acknowledgements

Initiating Transaction ID

Delete Download

Acknowledge or reject messages

Participant Users with the correct access rights can accept or reject B2B Hub Queue messages.

Acknowledge a single message

1. Search for the message. For help, see [Search the B2B hub queue on page 27](#).
2. In the **B2B Hub Queue Contents** section, click the **Context ID / File Name**. For help, see [above](#).
3. In the **View Message** interface, click **Acknowledge/Reject Message**.

View Message Participant ID: [redacted]
Participant Name: [redacted]

Message: outbox\sordmnemmcob2bb1487215933049000.zip

Header

From: NEMMCO
To: [redacted]
Message ID: B2BM14I
Transaction Group: SORD
Market: NEM
Message Date: 16-Feb-2017 13:26:46
Priority: Medium

Transactions

Transaction ID	Transaction Type	NMI	Initiating Transaction ID	Action
B2BT14I	Re-energisation	1234678911		

Acknowledge/Reject Message Download

4. A message displays advising of success or failure, for example: **SORD Participant ID B2B-1234 Success**.

The create status of the acknowledgements are as follows:

sordm	1984372000.ack	Success
sordm	1923840000.ack	Success

Return to the "B2B Outbox" screen.

Acknowledge several messages

1. Search for the message. For help, see [Search the B2B hub queue on page 27](#).
2. In the **B2B Hub Queue Contents** section, next to the messages to acknowledge, select the check boxes and click **Acknowledge Selected Messages**. For help, see [on the previous page](#).
3. In the **Create Message Acknowledgement - Accept** interface, click **Create**.

Create Message Acknowledgements - Accept				Participant ID:	NEMMCO
				Participant Name:	Australian Energy Market Operator Limited
Message To Acknowledge	Message ID (*)	Receipt ID (*)	Status (*)	Action	
sordmeastengyb2bb1489621923840000.zip	B2BM1489709420015000	B2BR1489709420015001	Accept	• Download Initiating	
sordmeastengyb2bb1489621984372000.zip	B2BM1489709420015002	B2BR1489709420015003	Accept	• Download Initiating	
<input type="button" value="Create"/> <input type="button" value="Cancel"/>					

4. Validation is performed and a message displays advising of success or failure.

The create status of the acknowledgements are as follows:		
sordm	1984372000.ack	Success
sordm	1923840000.ack	Success

Return to the "B2B Outbox" screen.

Reject a single message

1. Search for the message. For help, see [Search the B2B hub queue on page 27](#).
2. In the **B2B Hub Queue Contents** section, in the **Action** column, click **Reject**. For help, see [on the previous page](#).
3. In the **Create Message Acknowledgements** interface, click **Create**.

Create Message Acknowledgement

Participant ID: NEMMCO
Participant Name: Australian En

Message To Acknowledge: sordmintegpb2bb1484702195761000.zip

Header

From (*): NEMMCO
To (*):
Message ID (*): B2BM1485
Transaction Group (*): SORD
Market (*): NEM
Message Date (*): 24-Jan-2017 10:48:31
Priority (*): Medium

Acknowledgement

Initiating Message ID (*): B2BM1484
Receipt ID (*): B2BR1485
Receipt Date (*): 24-Jan-2017 10:48:31
Status (*):
Duplicate:

Event

Class:
Code/Description/Severity (*):
Key Info:
Context:
Explanation:

Create Cancel

4. Validation is performed and a message displays advising of success or failure.

Delete messages or acknowledgements

Participant Users with the correct access rights can delete B2B Hub Queue messages.

Delete a single message or acknowledgement

1. Search for the message. For help, see [Search the B2B hub queue on page 27](#).
2. Click the **Context ID / File Name** to view the message. For help, see [above](#).
3. Click **Delete**.
If you cannot see the **Delete** button speak with your company's Participant Administrator for access.

View Message Acknowledgement

Message: sordl_ [redacted] _b1501982092628000

Header

From: [redacted]
To: [redacted]
Message ID: B2B-06081711143
Transaction Group: SORD
Market: NEM

Message Acknowledgement

Initiating Message ID: B2BM1501981679
Receipt ID: 56822558-a31f-46
Duplicate:

Transaction Acknowledgements

Initiating Transaction ID

Delete **Download**

4. Validation is performed and a message displays advising of success or failure.

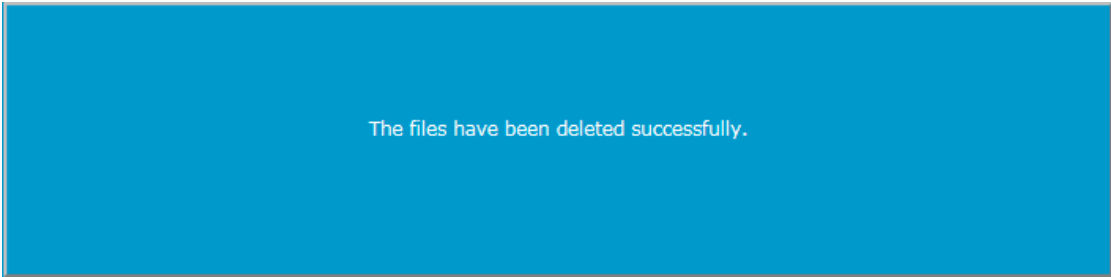
Delete several acknowledgements

1. Search for the message. For help, see [Search the B2B hub queue on page 27](#).
2. In the **B2B Hub Queue Contents** section, next to the messages to delete, select the check boxes and click **Delete Selected Acknowledgements**. For help, see [on the previous page](#).

3. Validation is performed and a message displays advising of success or failure.

Delete several messages or acknowledgements

1. Search for the messages. For help, see [Search the B2B hub queue on page 27](#).
2. In the [B2B Hub Queue Contents](#) section, select all the messages you want to delete. For help, see [on page 32](#).
3. Click [Delete Selected Acknowledgements](#).
If you cannot see the [Delete](#) button speak with your company's Participant Administrator for access.
4. A message displays advising of success or failure.



The files have been deleted successfully.

B2B archive

About B2B archive

Once a .ZIP file in the B2B outbox is acknowledged, the B2B handlers move the file into the B2B Archive directory. The B2B Archive has sort order capabilities but not searching capabilities like the B2B Inbox and B2B Outbox. Access to the archive is through the Participant File Server or the B2B Browser in the MSATS web portal.

B2B Archive user rights access

For access to the B2B Archive, Participant Administrators select the [B2B Directory Inbox and Outbox Archive](#) entities in the Administration >Maintain Rights menu.

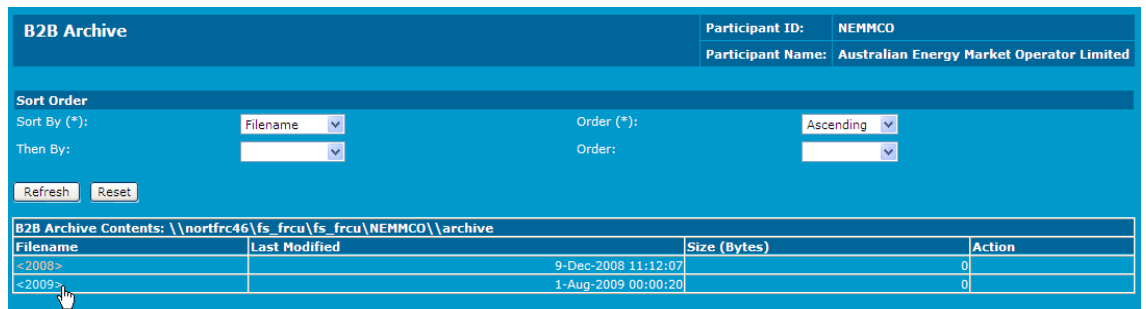
Browsing the B2B archive

There is a hierarchy when browsing through the B2B Archive. At the top of this hierarchy is the [Year](#) folder under the [Filename](#) column. This is the top level of the B2B Archive folder and contains archives for previous years. Archive files are generally available for a period of 13 months. Only the B2B Archive can contain a zip file with multiple files.

To browse the B2B archive:

1. On the main menu, click [B2B Browser](#) and then click [B2B Archive](#).

2. The **B2B Archive** interface displays, select the sort order and click **Refresh**. Click **Reset** to clear all fields and start again.



The screenshot shows the B2B Archive interface. At the top, there's a header bar with 'B2B Archive' on the left and participant information on the right: 'Participant ID: NEMMCO' and 'Participant Name: Australian Energy Market Operator Limited'. Below this is a 'Sort Order' section with two columns of dropdown menus. The first column has 'Sort By (*)' with 'Filename' selected and 'Then By:' with an empty dropdown. The second column has 'Order (*)' with 'Ascending' selected and 'Order:' with an empty dropdown. Below the dropdowns are 'Refresh' and 'Reset' buttons. At the bottom is a table titled 'B2B Archive Contents: \\nortfrc46\fs_frcu\fs_frcu\NEMMCO\archive'. The table has four columns: 'Filename', 'Last Modified', 'Size (Bytes)', and 'Action'. It contains two rows: one for '<2008>' with a last modified date of '9-Dec-2008 11:12:07' and size '0', and another for '<2009>' with a last modified date of '1-Aug-2009 00:00:20' and size '0'. A mouse cursor is pointing at the '<2009>' filename.

B2B Archive		Participant ID: NEMMCO	Participant Name: Australian Energy Market Operator Limited
Sort Order			
Sort By (*):	Filename	Order (*):	Ascending
Then By:		Order:	
<input type="button" value="Refresh"/> <input type="button" value="Reset"/>			
B2B Archive Contents: \\nortfrc46\fs_frcu\fs_frcu\NEMMCO\archive			
Filename	Last Modified	Size (Bytes)	Action
<2008>	9-Dec-2008 11:12:07	0	
<2009>	1-Aug-2009 00:00:20	0	

Viewing and downloading files

To view files:

1. Click the filename in the **Filename** column and navigate until filename displays with a time format.

B2B Archive Participant ID: NNNNNN
Participant Name: NNNNNN

Sort Order
Sort By (*): Order (*):
Then By: Order:

B2B Archive Contents: X:\fs_b2b_test\NNNNN\b2b\archive\2003\09-Sep\11

Filename	Last Modified	Size (Bytes)	Action
<17.02.37>	7-Apr-2005 14:30:41	0	
<17.03.13>	7-Apr-2005 14:30:41	0	
<17.03.47>	7-Apr-2005 14:30:41	0	
<17.04.17>	7-Apr-2005 14:30:41	0	

Time Format

After clicking the filename, you will see information on the file selected. The information is split into two sections: **Header** and **Transaction**. The **Header** section displays the information on the message header, and the **Transaction** section displays the transactions contained within that particular message in a table format.

View Message Participant ID: NEMMCO
Participant Name: NEMMCO

Message: X:\fs_b2b_test\NEMMCO\b2b\archive\2003\09-Sep\11\17.02.37\siteH_test.zip
Zip Entry: SITE_access_hazard.xml

Header

From:	NEMMCO	Message Date:	15-Oct-2005 01:02:35
To:	AGLE	Priority:	High
Message ID:	KJH9JHK-34567		
Transaction Group:	SITE		
Market:	NLM		

Transactions

Transaction ID	Transaction Type	NMI	Initiating Transaction ID	Action
3457575735	Site Access Notification	1234567890		

- In the **Transaction** table, click the **Transaction ID** link to view the details of that transaction. The information is split into the **Header** and the **Details** for the particular transaction type.

Download a file by either (only available to users with appropriate access rights):

- Clicking **Download** next to the required file in the **Action** column.
- Viewing the file and clicking **Download** from the **View Message Acknowledgement** interface.

Deleting files

Users with appropriate MSATS access right can delete files from their B2B Inbox directories. Note that only files in the B2B Inbox can be deleted.

There are two ways you can delete files:

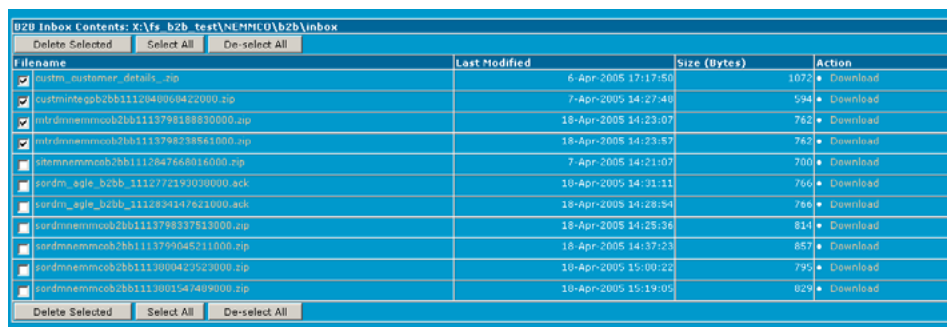
- Delete an individual file after viewing the file.
- Delete a collection / set of files after searching for files.

To delete a collection of files from the search result table:

1. On the search result table, there are three buttons: **Delete Selected**, **Select All** and **De select All**.

Use **Select All** to check all the files in the table for deletion. Alternatively, you can manually check the files that you would like to delete.

Use **De select All** to uncheck all the selected files.



B2B Inbox Contents: X:\fs_b2b_test\NEMMCO\b2b\inbox			
Delete Selected Select All De-select All			
Filename	Last Modified	Size (Bytes)	Action
<input checked="" type="checkbox"/> custm_customer_details.zip	6-Apr-2005 17:17:50	1072	Download
<input checked="" type="checkbox"/> custmintegob2bb11120400v04c2000.zip	7-Apr-2005 14:27:46	594	Download
<input checked="" type="checkbox"/> mfrdmnemmcob2bb1113798189330000.zip	18-Apr-2005 14:23:07	762	Download
<input checked="" type="checkbox"/> mfrdmnemmcob2bb1113798218961000.zip	18-Apr-2005 14:23:57	762	Download
<input checked="" type="checkbox"/> sitemnemmcob2bb111294766001000.zip	7-Apr-2005 14:21:07	700	Download
<input type="checkbox"/> sordm_sgle_b2bb_1112772193030000.ack	10-Apr-2005 14:31:11	760	Download
<input type="checkbox"/> sordni_sgle_b2bb_1112834147621000.ack	18-Apr-2005 14:28:54	766	Download
<input type="checkbox"/> sordnmnemmcob2bb1113798137513000.zip	18-Apr-2005 14:25:36	814	Download
<input type="checkbox"/> sordnmnemmcob2bb1113798045211000.zip	18-Apr-2005 14:37:23	857	Download
<input type="checkbox"/> sordnmnemmcob2bb1113090423523000.zip	10-Apr-2005 15:00:22	795	Download
<input type="checkbox"/> sordnmnemmcob2bb1113001543409000.zip	10-Apr-2005 15:19:05	829	Download

Delete Selected Select All De-select All

2. After checking the files you would like to delete, click **Delete Selected**.
3. After clicking **Delete Selected**, a page displaying the file(s) that you have chosen for deletion appears. Click **Delete** to confirm deletion. A confirmation message displays upon successful deletion of the file(s).

B2B inbox archive

When the first level acknowledgement (ac1) takes place in the B2B Inbox or Participant API, it is archived into the B2B Inbox Archive folder. Access to the Inbox Archive is through the Participant File Server or the B2B Browser in the MSATS web portal.

B2B inbox archive user rights access

For access to the B2B Inbox Archive, Participant Administrators select the **B2B Directory Inbox Archive** entity in the Administration >Maintain Rights menu.

Browsing the B2B inbox archive

There is a hierarchy when browsing through the B2B Inbox Archive. At the top of this hierarchy is the **Year** folder under the **Filename** column. This is the top level of the archive folder and contains archives for previous years. Archive files are generally available for a period of 13 months. Only the B2B Archive can contain a .zip file with multiple files.

1. On the main menu, click **B2B Browser** and then click **B2B Inbox Archive**.
2. The **B2B Inbox Archive** interface displays, select your required sort order and click **Refresh**. Click **Reset** to clear all fields and start again.

B2B Inbox Archive		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Sort Order			
Sort By (*):	Filename	Order (*):	Ascending
Then By:	Last Modified	Order:	Ascending
<input type="button" value="Refresh"/> <input type="button" value="Reset"/>			
B2B Inbox Archive Contents: inbox_archive			
Filename	Last Modified	Size (Bytes)	Action
<2012>	1-Jul-2013 12:04:32	4096	
<2013>	8-May-2013 13:46:11	0	

B2B Inbox Archive		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Sort Order			
Sort By (*):	Filename	Order (*):	Ascending
Then By:		Order:	
<input type="button" value="Refresh"/> <input type="button" value="Reset"/>			
B2B Inbox Archive Contents: inbox_archive\2012\06-jun\06\14.26.03			
Filename	Last Modified	Size (Bytes)	Action
sordmnemimco_201206061400391101.zip	6-Jun-2012 15:17:15	1771	• Download

3. Download a file by either:

- Clicking [Download](#) next to the required file in the [Action](#) column.
- Viewing the file and clicking [Download](#) from the [View Message](#) interface.

New transaction

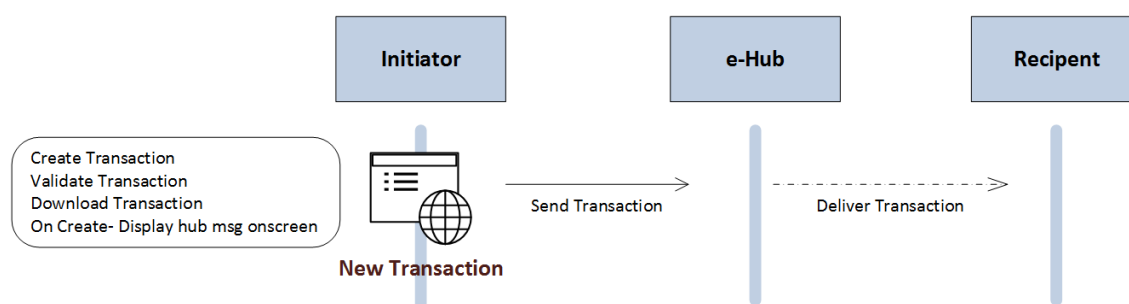
Participant Users with the appropriate access can create new B2B transactions using the B2B Browser.

For participants using the FTP Protocol, the transaction is automatically zipped and placed in the B2B Inbox ready for sending to the Recipient.

For participants using the API Protocol the transaction is sent via an API endpoint to the Recipient.

B2B E-Hub Initiators with the appropriate access can create new B2B Retail Transactions using the New Transaction interface.

For help with transaction types and participant combinations, see [B2B Transactions and Participants in the B2B Guide](#).



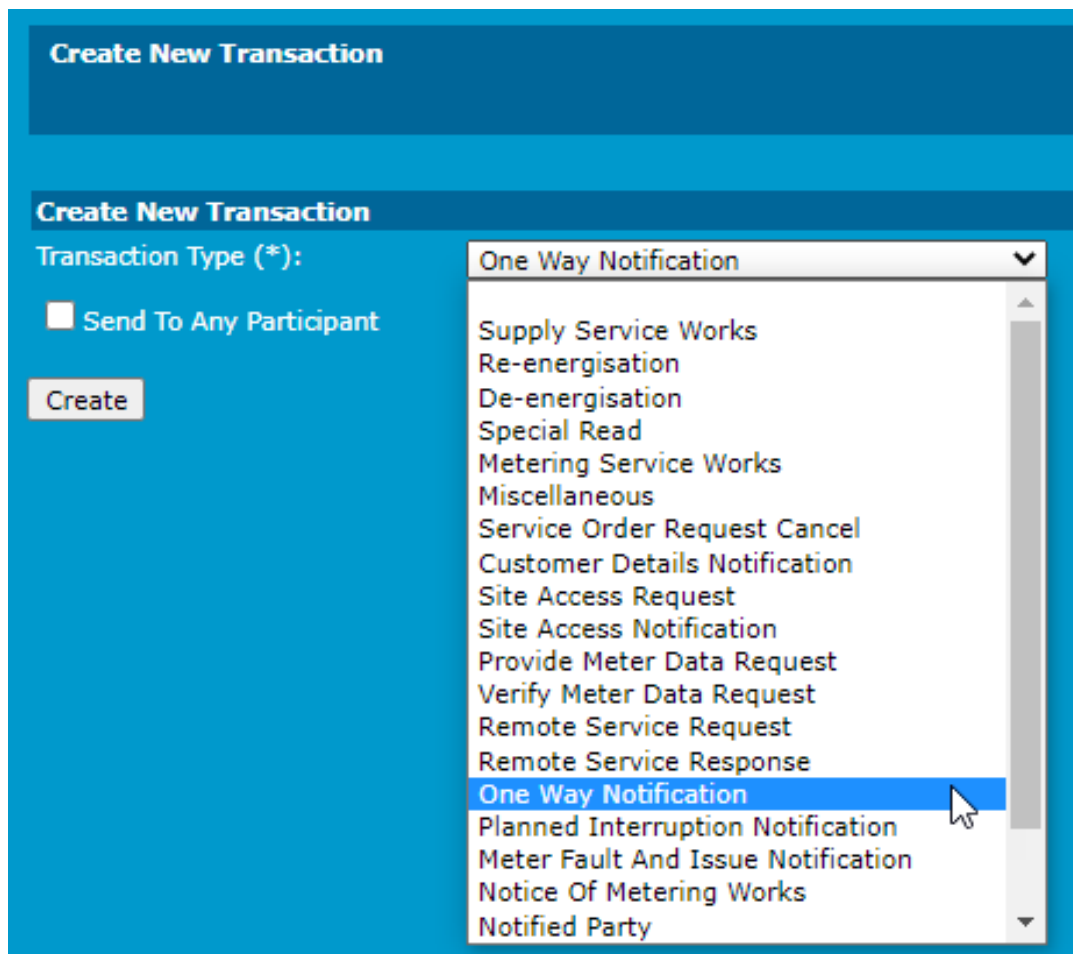
Creating a new transaction

Service Order Request interfaces such as **Create Transaction - Service Order Request Supply Abolishment** (see [New transaction above](#)) include the optional sections, **Customer Contact Name** and **Business Contact Name**. To ensure the aseXML is valid, you can complete either one of these sections, but not both (see [New transaction above](#)). Otherwise, leave the sections blank.

To create a new transaction for any transaction type:

1. On the main menu, click **B2B Browser** and then click **New Transaction**.
2. The **Create New Transaction** interface displays. Click the **Transaction Type** drop-down arrow and select a transaction type from the list (this is a required field), and then click **Create**.

This example uses the **One Way Notification** transaction.



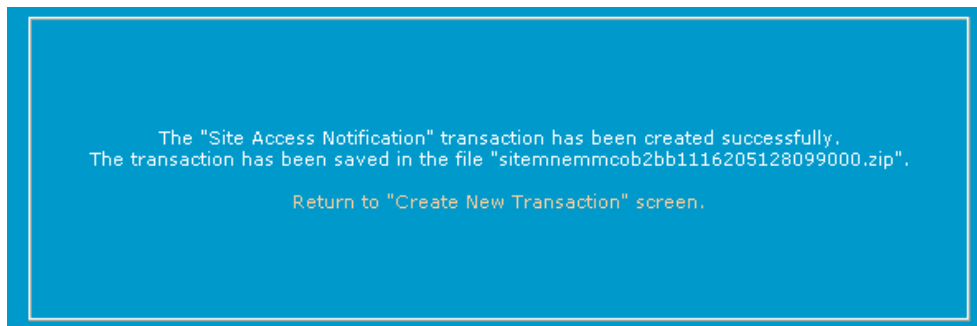
The screenshot shows the 'Create New Transaction' interface. At the top, there is a blue header bar with the text 'Create New Transaction'. Below this, the main form area has a blue background. On the left side of the form, there is a label 'Transaction Type (*):' followed by a checkbox labeled 'Send To Any Participant' and a 'Create' button. To the right of the checkbox, a dropdown menu is open, displaying a list of transaction types. The list includes: Supply Service Works, Re-energisation, De-energisation, Special Read, Metering Service Works, Miscellaneous, Service Order Request Cancel, Customer Details Notification, Site Access Request, Site Access Notification, Provide Meter Data Request, Verify Meter Data Request, Remote Service Request, Remote Service Response, One Way Notification (which is highlighted in blue), Planned Interruption Notification, Meter Fault And Issue Notification, Notice Of Metering Works, and Notified Party. A mouse cursor is pointing at the 'One Way Notification' option.

3. The selected transaction type form displays. Complete all required fields marked with an asterisk* and any other relevant fields.

- a. The **To** field is the Recipient. The drop-down list is populated with participants who, based on their role, can receive this transaction type. For example for the Transaction type **Re-energisation Service Orders**, Participant IDs with the role **LNSP** or **MPB** or **RP** display. For the full list, see [New transaction on page 41](#).
 - b. The message type, NTN in the **Name** field is used to facilitate the ability for a Distribution Network Service Provider (DNSP) to inform a Financially Responsible Market Participants (FRMP) of a proposed network tariff change in advance of that network tariff becoming effective on the connection point. This ensures the FRMP can fulfil their regulatory obligations towards customers, and negotiate new retail contracts based on the proposed network tariff.
4. Next, click one of the following options:
- **Create** - to create the transaction and place it in your B2B Inbox. If any values are invalid, a list of errors is displayed. Fix the errors and click **Create** again.
 - **Validate** - to validate the data entered. If any values or required fields are invalid, a list of errors is displayed.
 - **Download** - to download the transaction as a .zip file.
 - **Reset** - To clear the form and start again.

Create Transaction - One Way Notification		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Header			
From (*):	NEMMCO		
To (*):	<input type="text"/>		
Message ID (*):	<input type="text" value="B2BM1626767654341000"/>	Message Date (*):	20-Jul-2021 17:54:14
Transaction Group (*):	OWNP	Priority (*):	Medium
Market (*):	NEM		
One Way Notification Details			
Transaction ID (*):	<input type="text" value="B2BT1626767654345000"/>	Transaction Date (*):	20-Jul-2021 17:54:14
Name (*):	<input type="text" value="NTN"/>		
CSV Notification Detail file to upload (*):	<input type="button" value="Choose File"/> No file chosen		
<small>Note: Only TXT files can be uploaded.</small>			
<input type="button" value="Create"/> <input type="button" value="Validate"/> <input type="button" value="Download"/> <input type="button" value="Reset"/>			

5. A confirmation message displays when a successful transaction completes, otherwise you may see a list of error messages and why the validation failed.



To create another transaction, click [Return to Create New Transaction interface](#).

New transaction user rights access

For access to create new transactions, Participant Administrators select from the following entities in the Administration > Maintain Rights menu:

B2B Trans Acknowledgement

B2B Trans Customer Details Notification

B2B Life Support Notification

B2B Life Support Request

B2B Meter Fault And Issue Notification

B2B Notice Of Metering Works

B2B Notified Party

B2B Trans One Way Notification

B2B Peer To Peer

B2B Planned Interruption Notification

B2B Trans Provide Meter Data Request

B2B Remote Service Request

B2B Remote Service Response

B2B Trans Site Access Notification

B2B Site Access Request

B2B Trans Site Address Notification

B2B Trans Service Order Request Adds and Alts

B2B Trans Service Order Request Allocation NMI

B2B Trans Cancel Service Order Request

B2B Trans Service Order Request De-energisation

B2B Trans Service Order Request Deenergisation Local Meter Disconnection

B2B Trans Service Order Request Deenergisation Recipient Discretion

B2B Trans Service Order Request Deenergisation Remote

B2B Trans Service Order Request Deenergisation Remove Fuse

B2B Trans Service Order Response

B2B Trans Service Order Request Meter Investigation

B2B Trans Service Order Request Miscellaneous

B2B Trans Service Order Request Meter Reconfiguration

B2B Trans Service Order Request Meter Service Works Controlled Load

B2B Trans Service Order Request Meter Service Works Exchange Meter

B2B Trans Service Order Request Meter Service Works Install Meter

B2B Trans Service Order Request Meter Service Works Move Meter

B2B Trans Service Order Request Meter Service Works Remove Meter

B2B Trans Service Order Request New Connection

B2B Trans Service Order Request New Connection Supply Alteration

B2B Trans Service Order Request New Connection Temporary

B2B Trans Service Order Request New Connection Temporary in Permanent

B2B Trans Service Order Request Re-energisation

B2B Trans Service Order Request Re-Energisation After Disconnection For Non-Payment

B2B Trans Service Order Request Re-Energisation Move-in

B2B Trans Service Order Request Re-Energisation New Reading Required

B2B Trans Service Order Request Re-Energisation Physical Visit

B2B Trans Service Order Request Re-Energisation Recipient Discretion

B2B Trans Service Order Request Re-Energisation Retro Move-in

B2B Trans Service Order Request Supply Abolishment

B2B Trans Service Order Request Special Read

B2B Trans Service Order Request Special Read Check

B2B Trans Service Order Request Special Read Final

B2B Trans Service Order Request Tariff Change

B2B Trans Service Order Request Temporary Isolation

B2B Trans Service Order Request Temporary Isolation Group

B2B Trans Verify Meter Data Request

Upload file

B2B E-Hub Initiators with the appropriate access rights, use the [Upload File](#) interface to upload .zip and .XML files directly to their B2B Inbox based on their protocol preference:

- **API** indicates the Initiator elects to send all Transaction Group messages using the API Protocol.
- **FTP** indicates the Initiator elects to send all Transaction Group messages using the FTP Hokey-pokey Protocol.

Upload File user rights access

For access to Upload File, Participant Administrators select the [B2B folder Inbox](#) entity in the Administration >Maintain Rights menu.

Zip files

Uploading .zip files is as easy as selecting the file to upload directly to your B2B Inbox.

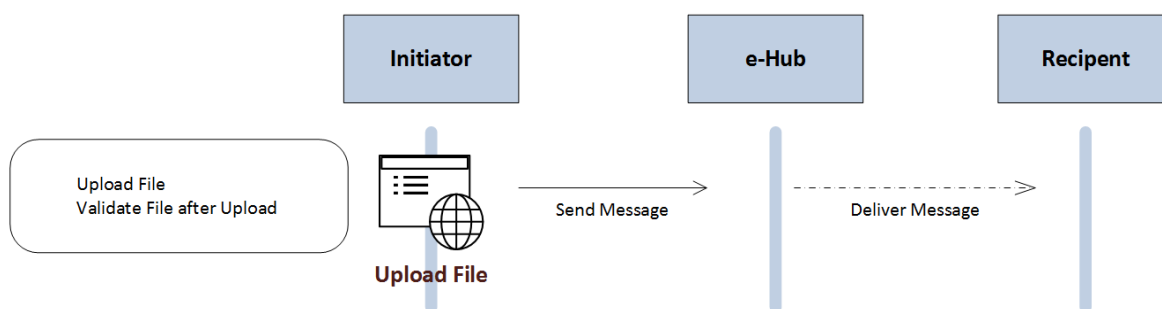
XML files

Uploading .XML files involves an extra step because the contents are loaded into the [Create New Transaction](#) interface, after, the steps are the same as creating a new transaction, see [New transaction on page 41](#).

File name / Context ID

The participant nominated file name becomes the message's **Message Context ID**.

Figure 4 Upload file process



The B2B procedures mandate the first four characters of a message file name must correspond to the messages Transaction Group, either MTRD, MRSR, SORD, CUST, SITE, OWNP, OWNX, NPNX, PTPE. For more details, see the **B2B Procedures**.

Upload a file

To upload a file:

1. On the main menu, click **B2B Browser** and then click **Upload File**.
2. The **Upload File** interface displays. Click **Browse** and locate the file for uploading.

Upload File	
Participant ID:	NEMMCO
Participant Name:	Australian Energy Market Operator Limited

File to upload:

☒ Validate file after upload

Note:

- Only XML files can be validated after upload.
- Only Zip files can be uploaded without validation.

3. If you are uploading an .XML file and it requires validation after upload, click the **Validate file after upload** check box and then click **Upload**.

File to upload:

☒ Validate file after upload

Note:

If you upload a .zip file, it uploads directly into your Inbox, without displaying the **Create Transaction** interface.

4. Click **Reset** to clear the **file to upload**.

If you uploaded an .XML file, the **Create Transaction** form displays with the file information. If required, you can edit the values.

Create Transaction - Site Access Notification		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Header			
From (*):	NEMMCO		
To (*):	POOLTST - Pool Testing (FRMP, LNSP, LR, MPB, RP) ▼		
Message ID (*):	B2BM1512536412907000	Message Date (*):	6-Dec-2017 15:00:12
Transaction Group (*):	SITE	Priority (*):	Medium ▼
Market (*):	NEM		
Site Access Details			
Transaction ID (*):	B2BT1512536412923000	Transaction Date:	6-Dec-2017 15:00:12
NMI (*):	1234567890	NMI Checksum:	
Access Details (*):	under bridge		
Hazard Description 1 (*):	dog barking		
Hazard Description 2:			
Hazard Description 3:			
Last Modified Date (*) (dd-MMM-yyyy):	4-Dec-2017	Last Modified Time (*) (hh:mm:ss):	11:00:00
<input type="button" value="Create"/> <input type="button" value="Validate"/> <input type="button" value="Download"/> <input type="button" value="Reset"/>			

5. A confirmation message displays if the .zip file uploads successfully.

File uploaded successfully. Details below:

File Name : sordmnemmcob2bb1113886718811000.zip
 Directory : X:\fs_b2b_test\NEMMCO\b2b\inbox\
 Transaction Details: Allocate NMI 19-Apr-2005 14:32:50

File to upload:

☐ Validate file after upload

Note:

- Only XML files can be validated after upload.
- Only Zip files can be uploaded without validation.

An error message displays if the .zip file already exists or there was an error uploading.

Error: File X:\fs_b2b_test\NEMMCO\b2b\inbox\sordmnemmcob2bb1113886718811000.zip already exists on the fileshare.

File to upload:

☐ Validate file after upload

Note:

- Only XML files can be validated after upload.
- Only Zip files can be uploaded without validation.

6. After uploading, browse your B2B Inbox to check for the uploaded file.
7. When the message is delivered to the Recipient, the .zip file is archived to your B2B Inbox Archive. For help, see [B2B inbox archive on page 39](#)

Search hub trans log

The B2B Transaction log records all the transactions the B2B Hub has handled; this includes all messages and transaction acknowledgements. Participant Users with appropriate access can search the transaction log for specific transactions.

Searching is accomplished by defining the appropriate search criteria in the Search Transaction Log interface. The values you enter are used to extract the specific transactions matching your values.

Search trans log user rights access

For access to Search Trans Log, Participant Administrators select the **B2B Hub Transaction Log** entity in the Administration > Maintain Rights menu.

Searching the transaction log

To search the transaction log:

1. On the main menu, click **B2B Browser** and then click **Search Trans Log**.
2. The **Search Transaction Log** interface displays. Complete the relevant fields and click **Search**. For help, see **Search Transaction Log fields on page 55**.

Click **Reset** to start again.

Search Hub Transaction Log		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
From Participant:	<input type="text"/>		
To Participant:	<input type="text"/>		
Message ID:	<input type="text"/>	Transaction ID:	<input type="text"/>
Initiating Transaction ID:	<input type="text"/>	NMI:	<input type="text"/>
Initiating Service Order ID:	<input type="text"/>	Service Order Type:	<input type="text"/>
Transaction Type:	<input type="text"/>	Service Order Sub Type:	<input type="text"/>
Transaction Status:	<input type="text"/>		
Message Context ID / Filename:	<input type="text"/>		
<input checked="" type="radio"/> Search by Transaction Delivered Date <input type="radio"/> Search by Transaction Status Modified Date			
From Date (dd-MMM-yyyy):	<input type="text"/>	From Time (hh:mm:ss):	<input type="text"/>
To Date (dd-MMM-yyyy):	<input type="text"/>	To Time (hh:mm:ss):	<input type="text"/>
Note: At least one search criteria must be used.			
<input type="button" value="Search"/> <input type="button" value="Reset"/>			

3. The **Search Transaction Log Results** interface displays (for help understanding the fields see [“Search Transaction Log Results on page 57”](#)) and select one of the following options:

- Click **Download Result as a CSV file** at the bottom of the page to display the result in a spreadsheet format.
- Click **View** in the **Action** column to see the message details, [Viewing a transaction on page 58](#).
- Click **Search Related Record** in the **Action** column to see information for related records. The link only displays for Service Order Request transaction types and searches for corresponding Service Order Response transactions, [Searching related records on page 60](#).

Search Hub Transaction Log Results														Participant ID:	NEMMCO
														Participant Name:	Australian Energy Market Operator Limited
4 Message(s) Match Search Criteria															
From Participant	To Participant	Message ID	Transaction ID	Init Transaction ID	Init Service Order ID	Transaction Type	Service Order Type	Service Order Sub Type	Hub Generated	NMI	Message Context ID / Filename	Message Timestamp	Transaction Status	Message Status	Action
POOLTAS	POOLTST	B2BM1507850449736000	B2BT1507850449751000			Site Access Request			No	5435454354	sitem_poolsa_b1507850479532000		Delivered	Delivered	View
POOLTAS	POOLTST	B2BM1507850449736000	B2BT1507850449751000			Site Access Request			No	5435454354	sitem_poolsa_b1507850479532000		Delivered	Delivered	View
POOLTAS	POOLTST	B2BM1507850449736000	B2BT1507850449751000			Site Access Request			No	4354543545	sitem_poolsa_b1507850486723000		Delivered	Delivered	View
POOLTAS	POOLTST	B2BM1507850449736000	B2BT1507850449751000			Site Access Request			No	4354543545	sitem_poolsa_b1507850486723000		Delivered	Delivered	View
Download Result as a CSV File															

Table 1 Search Transaction Log fields

Field	Description
From Participant	The Participant initiating the transaction
To Participant	The Recipient receiving the transaction.
Message ID	The ID of the message. This field supports SQL patterns (wildcards). This means that you can use % for wildcard and any other valid SQL constructs.
Initiating Transaction ID	The initiating transaction ID contained in the transaction. This field supports SQL patterns (wildcards). This means that you can use % for wildcard and any other valid SQL constructs.
Initiating Service Order ID	The ID of the initiating Service Order to view Option 1 and 2 Notified Party transactions raised against a Service Order Request. This field supports SQL patterns (wildcards). This means that you can use % for wildcard and any other valid SQL constructs.
Transaction Type	The transaction type of the transaction.
Transaction Status	The delivery status. For example 'Completed', 'Rejected' etc.
Message Context ID / Filename	The Message Context ID or filename of the transaction. This field supports SQL patterns but does not support the zip file extension.

Field	Description
Transaction ID	The transaction id of the transaction. This field supports SQL patterns (wildcards). This means that you can use % for wildcard and any other valid SQL constructs.
NMI	The NMI contained in the transaction.
Service Order Type	Select a service order type from the drop-down list.
Service Order Subtype	The subtype of the transaction.
Search by Transaction delivered date	Select to search by transaction delivered date.
Search by Transaction modified date	Select to search by transaction modified date.
From Date	Date when the Transaction was initially received by the e-Hub.
To Date	Date when the Transaction status was last updated based on an action by a participant.
From Time	Time when the Transaction was initially received by the e-Hub.
To Time	Time when the Transaction status was last updated based on an action by a participant.

Table 2 Search Transaction Log Results

Field	Description
From Participant	The Participant initiating the transaction.
To Participant	The Recipient receiving the transaction.
Message ID	The ID of the message.
Transaction ID	The transaction ID.
Init Transaction ID	The initiating transaction ID.
Init Service Order ID	The initiating service order ID
Transaction Type	The transaction type.
Service Order Type	The transaction subtype.
Hub Generated	Flags if the message was generated by the e-Hub: <ul style="list-style-type: none"> Y - Generated by the e-Hub (e.g. Initiator or Notified Party). N - Received from the participant or is a shell record.
NMI	The NMI of the transaction.
Message Context ID / Filename	The Context ID or Filename that contained the message.
Message Timestamp	When the file was written to the Participant's B2B Hub inbox.

Field	Description
Transaction Status	<p>The current status of the Message/Transaction either:</p> <ul style="list-style-type: none"> ◦ COM - Completed ◦ D - Delivered ◦ REJ - Transaction Rejected ◦ TAWR - Transaction Acked Waiting for Response
Message Status	<p>Indicates if a message is awaiting an action by the receiving party or an action is complete:</p> <ul style="list-style-type: none"> ◦ D - Delivered ◦ MA - Message Acked ◦ REJ - Message Rejected by Recipient ◦ SC - Sync Completed
Action	Click to view the transaction details.

Viewing a transaction

You cannot view Transaction details for historical Service Order types in the B2B Browser. To view details for these transactions: from the Participant File Server folder, open the actual XML file. In the Service Order Type drop-down list, historical Service Order transactions have a [H] label.

To view a transaction:

1. Follow the instructions for [Searching the transaction log on page 53](#).
2. Click [View](#) to display the [View Message](#) interface and select from the following options:
 - Click [Download](#) in the [Action](#) column to download the message.
 - Click [Acknowledge Transaction](#) to acknowledge the message.
 - Click [Reject](#) in the [Action](#) column to reject the message.

- Select a **Transaction ID**, **Transaction Type**, **NMI** or **Initiating Transaction ID** to view further information.

View Message

Participant ID: NNNNNN
Participant Name: NNNNNN

Message: X:\ \ \ \ 2009\04-apr\22\06.00.03\sordmintegpb2bb1114127670323000.zip

Header

From: P P P P P

To: N N N N N N

Message ID: B2BM1114127662078000

Message Date: 22-Apr-2005 09:54:22

Transaction Group: SORD

Priority: Medium

Market: NEM

Transactions

Acknowledge Transactions

Transaction ID	Transaction Type	NMI	Initiating Transaction ID	Action
<input checked="" type="checkbox"/> B2BT1114127662088000	Service Order Response	1234567890	ABCD5OLD-SOR-De	<ul style="list-style-type: none"> Reject

Download

For example, click the **Transaction ID** link to view the message information.

Header

From: NEMMCO

To: INTEGMP

Message ID: B2BM1114063508016000

Message Date: 21-Apr-2005 16:05:07

Transaction Group: SORD

Priority: Medium

Market: NEM

Service Order Request

Transaction ID: B2BT1114063508046000

Transaction Date: 21-Apr-2005 16:05:00

Action Type: New

Ret Service Order: 21321321

NMI: 3213213213

NMI Checksum:

Service Order Type

Service Order Type: Miscellaneous

Service Point

Access Details:

Hazard Description 1:

Hazard Description 2:

Hazard Description 3:

Retailer Contact Name

Name Title:

Given Name:

Family Name:

Name Type:

Name Suffix:

Retailer Contact Telephone

Prefix:

Number:

Service Type:

Service Comment:

Customer Contact Name

Name Title:

Given Name:

Family Name:

Name Type:

Name Suffix:

Customer Contact Telephone

Prefix:

Number:

Service Type:

Service Comment:

Appointment Details

Appointment Reference:

Scheduled Date (dd-MMM-yyyy): 21-Apr-2005

Preferred Date (dd-MMM-yyyy):

Preferred Time (hh:mm:ss):

Service Order Details

Service Time: Any Time

Customer Consultation Required: false

Special Instructions 1:

Special Instructions 2:

Special Instructions 3:

Meter Serial Number:

Proposed Tariff:

Searching related records

To search related records (searches for corresponding Service Order Response transactions types only):

1. Follow the instructions for [Searching the transaction log on page 53](#)
2. Click [Search Related Record](#).



	Delivery Status	
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View Search Related Record
31.0	Delivered	<ul style="list-style-type: none"> View
31.0	Delivered	<ul style="list-style-type: none"> View
31.0	Delivered	<ul style="list-style-type: none"> View
31.0	Delivered	<ul style="list-style-type: none"> View
30.0	Transaction Acked Waiting For Response	<ul style="list-style-type: none"> View

3. The related Service Order Response for that Service Order Request

displays.

From Participant	To Participant	Message Id	Transaction Id	Init Transaction Id	Transaction Type	Transaction Subtype	NMI	Filename	File Timestamp	Delivery Status
EGP	NEMMCO	B2BM1114127662077000	B2BT1114127662087000	ABCD-SOLD-SOR-AAA	Service Order Response		1234567890	sordmintegpb2bb1114127678321000.zip	2005-04-22 09:54:39.0	Complete
Download Result as a CSV File										

Search activity log

The Activity Log records actions within the B2B Browser, Participant Users with appropriate access can search the activity log using specific criteria. The following actions are logged:

- Upload File
- Create Transaction
- Create Acknowledgement
- Delete File
- Download File
- Auto Delete On
- Auto Delete Off
- Toggle Modify Functionality On
- Toggle Modify Functionality Off
- Search Transaction Log
- View B2B Hub Dashboard
- View Flow Control Data

Search activity log user rights access

For access to Search Activity Log, Participant Administrators select the **B2B Activity Log** entity in the Administration > Maintain Rights menu.

Searching the activity log

1. On the main menu, click **B2B Browser** and then click **Search Activity Log**.
2. The **Search B2B Browser Application Activity Log** interface displays. Click the **Action** drop-down arrow and select from list (this is a required field).

Search B2B Browser Application Activity Log

Participant ID: PPPPPPP
Participant Name: NNNNNNNNNNNN NNANN NNNNNNN

Search Criteria

User: Action (*): **Auto Delete On**

Item Actioned (SQL pattern):

From Date (dd-MMM-yyyy): From Time (hh:mm:ss):

To Date (dd-MMM-yyyy): To Time (hh:mm:ss):

Action (*): **Auto Delete On**

From Time (hh:mm:ss):

To Time (hh:mm:ss):

- Auto Delete Off
- Auto Delete On**
- Create Acknowledgement
- Create Transaction
- Delete File
- Download File
- Search Transaction Log
- Toggle Modify Functionality On
- Toggle Modify Functionality Off
- Upload File
- View B2B Hub Dashboard
- View Flow Control Data

3. Complete any other optional fields and click **Search**. For help, see [Optional search fields on the next page](#).
4. The search results display. For help understanding the search result fields, see [Search result fields on page 65](#).

Participants can only search their own actions.

Search Criteria

User: Action (**):

Item Actioned (SQL pattern):

From Date (dd-MMM-yyyy): To Date (dd-MMM-yyyy):

From Time (hh:mm:ss): To Time (hh:mm:ss):

User	Participant	Date & Time	Action	Type of Item Actioned	Item Identifier	Directory of Action
PTEST	NEMMCO	22-Apr-2005 14:34:48	Create Acknowledgement	Transaction Acknowledgement	B2BM1114144480100000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	22-Apr-2005 09:57:23	Create Acknowledgement	Transaction Acknowledgement	B2BM1114127841235000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	22-Apr-2005 09:56:18	Create Acknowledgement	Message Acknowledgement	B2BM1114127775981000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	21-Apr-2005 11:56:28	Create Acknowledgement	Transaction Acknowledgement	B2BM1114048585769000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	20-Apr-2005 17:10:58	Create Acknowledgement	Message Acknowledgement	B2BM1113981052158000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	20-Apr-2005 16:55:11	Create Acknowledgement	Transaction Acknowledgement	B2BM1113980107910000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	20-Apr-2005 16:37:26	Create Acknowledgement	Message Acknowledgement	B2BM1113979041209000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	20-Apr-2005 16:11:53	Create Acknowledgement	Transaction Acknowledgement	B2BM1113977510788000	X:\fs_b2b_test\NEMMCO\b2b\inbox
PTEST	NEMMCO	20-Apr-2005 16:10:02	Create Acknowledgement	Message Acknowledgement	B2BM1113977395783000	X:\fs_b2b_test\NEMMCO\b2b\inbox

Table 3 Optional search fields

Field	Description
User	Select a specific user who performed the selected action (above) from the drop down menu.
Item Actioned	From the drop down menu, select the item the action was performed on. Note: the content of this field depends on the action context.
From date	The start of the date range when the action was performed. The format is dd-MMM-yyyy. (e.g. 01-Jan-2005).
To date	The end of the date range when the action was performed. The format is dd-MMM-yyyy. (e.g. 01-Jan-2005).
From time	The start of the time range when the action was performed. The format is hh:mm:ss (e.g. 10:30:00)
To time	<p>The end of the time range when the action was performed. The format is hh:mm:ss. (e.g. 10:30:00)</p> <p>For this example, select the Create Acknowledgement action from the drop down menu and click Search.</p>

Table 4 Search result fields

Column Name	Description
User	Who performed the action.
Participant	The Participant ID.
Date/time	The date and time the action was performed.
Action	The action performed.
Type of item actioned	The item that the action was performed on. This field has different content depending on the action context. Refer to the following table for further information.
Item identifier	Unique item identifier for the item actioned. This field has different content depending on the action context. Refer to the following table for further information.
folder of action	The folder where the action was performed. Note: This only applies when a file is affected, i.e. Create Transaction, Create Acknowledgement, Upload File, Download File and Delete File actions

Type Of Item Actioned and Item Identifier fields on the next page describes the type of item actioned and item identifier fields in the search criteria interface.

Table 5 Type Of Item Actioned and Item Identifier fields

Action	Type of Item Actioned	Item Identifier
Upload File	File	Filename of the uploaded file
Create Transaction	The transaction subtype.	The Transaction Id of the created transaction.
Create Acknowledgement	Transaction Acknowledgement or Message Acknowledgement	The Message Id of the acknowledgement
Delete File	File	The filename of the deleted file.
Download File	File	The filename of the downloaded file
Auto Delete On	Process	n/a
Auto Delete Off	Process	n/a
Toggle Functionality On	Process	The functionality name that was toggled on
Toggle Functionality Off	Process	The functionality name that was toggled off.
Search Transaction Log	Search	n/a
View B2B Hub Dashboard	Report	The Participant whose dashboard was viewed.
View Flow Control Data	Report	n/a

Modify functionality

The B2B Browser has a set of functionalities that Participant Administrators can turn off or on. This allows quick control over what their Participant Users can see and do in the B2B Browser.

When a function is toggled on or off, it is toggled for all users of the Participant ID. The toggling of functionality works in conjunction with MSATS user access rights. You have access to a particular functionality if you have the correct user access rights and the functionality is toggled on.

The functionalities are:

- **Delete File**
- **Upload File**
- **Create Response Message Acknowledgement:** Displays the Acknowledge and Reject actions.
- **Auto Delete From Inbox**
- **Create New Transaction**
- **Create Response Transaction**
- **Create Response Transaction Acknowledgement**
- **Upload & Validate Transaction**
- **Delete Hub Queue Message Acknowledgement:** Displays the Delete action.

This table explains the logic:

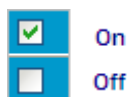
Toggle	User Rights Access	Result
On	Yes	Functionality in use
Off	Yes	Functionality not in use
On	No	Functionality not in use
Off	No	Functionality not in use

Modify functionality user rights access

For access to Modify Functionality, Participant Administrators select the **B2B Toggle Modify Functionality** entity in the Administration > Maintain Rights menu.

Modifying functionality

1. On the main menu, click **B2B Browser** and then click **Modify Functionality**.
2. The **Toggle Modify Functionality** interface displays. Click the check box to change the functionality, indicated by:



Toggle Modify Functionality

Functionality	Toggle On
Delete File	<input checked="" type="checkbox"/>
Upload File (No Validation)	<input checked="" type="checkbox"/>
Create Response Message Acknowledgement	<input checked="" type="checkbox"/>
Auto Delete From Inbox	<input checked="" type="checkbox"/>
Create New Transaction	<input checked="" type="checkbox"/>
Create Response Transaction	<input checked="" type="checkbox"/>
Create Response Transaction Acknowledgement	<input checked="" type="checkbox"/>
Upload & Validate Transaction	<input checked="" type="checkbox"/>
Delete Hub Queue Message Acknowledgement	<input checked="" type="checkbox"/>

- Click **Update**. A message confirming the update displays.

Toggle Modify Functionality

Status has been updated successfully

Functionality	Toggle On
Delete File	<input checked="" type="checkbox"/>
Upload File (No Validation)	<input checked="" type="checkbox"/>
Create Response Message Acknowledgement	<input checked="" type="checkbox"/>

Flow control info

Flow control is information about water marks and stop file details for a participant. The water mark levels control the flow of files into the inbox and outbox.

The **Flow Control Configuration** section displays the low, warn and high water mark levels:

- If the number of unacknowledged files in an outbox exceeds the warn watermark, a warning file is sent to all participants into their Stopbox to inform them that a Participant is running behind in acknowledging files.
- If the high watermark is exceeded, the *B2B e-Hub* creates a stop file in the participants outbox and cease to deliver files to their outbox.
- When sufficient files have been acknowledged, and the number of unacknowledged files falls below the low watermark, the *B2B e-Hub* removes the stop and warning files to resume delivering files again.

The **Flow Control Files** section, displays the warning files and stop file information. This includes information on, the filename, the time it was last modified, the cause and the suggested action to undertake.

Flow control Info user rights access

For access to Flow Control Info, Participant Administrators select the **B2B Flow Control Information** entity in the Administration > Maintain Rights menu.

Displaying flow control information

1. On the main menu, click **B2B Browser** and then click **Flow Control Info**.

2. The **View Flow Control Information** interface displays with **Flow Control Configuration** and **Flow Control Files** information. Click **Refresh** to see the latest information available.

View Flow Control Information		Participant ID:	NEMMCO
		Participant Name:	Australian Energy Market Operator Limited
Flow Control Configuration			
Low Water Mark:		60	
Warn Water Mark:		120	
High Water Mark:		200	
Flow Control Files			
Filename	Last Modified	Cause	Suggested Action
CITIPP_B2Bholdinp.stp	Wed May 13 11:13:24 GMT+10:00 2009	CITIPP has too many .zip files that have not been acknowledged in their Outbox	Do not send messages to CITIPP until this file no longer exists. Sending of files may result in negative Message Acknowledgements (.ack files) being sent back
<div>Refresh</div>			

Auto delete status

The **Auto Delete Status** provides an automated process to delete .zip and .ACK files that are in the correct state. The status of the auto delete process can be viewed and turned on and off by participant users if they have the correct access rights.

The correct states are:

- Delete all .zip files from a participant's inbox where an .ac1 file and an .ACK file exist in the participant's outbox.
- Delete all .ACK files from a participant's inbox where there is not a corresponding .zip file in the participant's outbox.

Auto delete status user rights access

For access to Auto Delete Status, Participant Administrators select the **B2B Auto Delete Status** entity in the Administration > Maintain Rights menu.

Turning auto delete status on and off

1. On the main menu, click **B2B Browser** and then click **Auto Delete Status**.
2. The **View Auto Delete Status** interface displays with the current **Auto Delete Status** toggled **ON**. To turn the status off, click **Toggle Auto Delete Off**.

View Auto Delete Status	Participant ID:	P P F F P P
	Participant Name:	P P F F P P P P P P P P P P P P P P P P P P

Auto Delete Status

NNNNNNN Auto Delete Status: ON

Toggle Auto Delete OFF

3. A message displays confirming that the auto delete status was successfully turned off. **Note:** The toggle button is now displayed as **Toggle Auto Delete ON**.

Auto Delete successfully turned OFF

Auto Delete Status

NNNNNNN Auto Delete Status: OFF

Toggle Auto Delete ON

Status report

Participant Users with appropriate access can view the B2B participant status report. It has the Last Modified Date in both the B2B Inbox and outbox folders of the following:

- Most recently created .zip.
- Most recently created .ACK.
- Oldest created .zip.
- Oldest created .ACK.

Status report user rights access

For access to the Status Report, Participant Administrators select the **B2B Participant Status Report** entity in the Administration > Maintain Rights menu.

Viewing the status report

1. On the main menu, click **B2B Browser** and then click **Status Report**.
2. The **Participant Selection** interface displays. Click the **Participant** drop-down arrow and select a participant from the list.
3. Click **View Participant Report**.

Participant Selection

Participant (*):

NEMMCO - NEMMCO
 NEMMCO - NEMMCO
 NORPOWER - Country Energy - Retailer
 NORTHMP - Country Energy - MDA
 NORTHPP - Country Energy - LNSP
 NPSAIL - Pelican Point Power Limited
 NRNSP - Embedded Network LNSP
 OLDPOWER - OLDPOWER
 PACPOWER - Eraring Energy
 PEAKCO - Synergen Power Pty Ltd
 PLINKMP - Powerlink Queensland Electricity Transmission Cor
 PLINKP - Powerlink Queensland Electricity Transmission Corp

4. The **B2B Participant Status Report** results display the **Inbox** and **Outbox** details. If there are no .ACK or .zip files the **Last Modified Date** is blank.

B2B Participant Status Report	
Participant ID:	NEMMCO
Participant Name:	Australian Energy Market Operator Limited

Participant Selection

Participant (*):

Inbox

File	Last Modified Date
Most Recently Created B2B .zip file in Inbox	20-May-2009 14:40:44
Most Recently Created B2B .ack file in Inbox	
Oldest B2B .zip file in Inbox	13-May-2009 10:59:26
Oldest B2B .ack file in Inbox	

Outbox

File	Last Modified Date
Most Recently Created B2B .zip file in Outbox	
Most Recently Created B2B .ack file in Outbox	
Oldest B2B .zip file in Outbox	
Oldest B2B .ack file in Outbox	

B2B hub dashboard

The B2B Hub Dashboard status report contains the following information:

- The number of files in each state for the participant.
- The action required to move the files to the next state.
- Who is responsible for performing the next action.

B2B hub dashboard user rights access

For access to the B2B Hub Dashboard, Participant Administrators select the **B2B Hub Dashboard** entity in the Administration >Maintain Rights menu.

Viewing the B2B hub dashboard

1. On the main menu, click **B2B Browser** and then click **B2B Hub Dashboard**.
2. The **B2B Hub Dashboard (Current Status)** interface displays. Click the **Participant** drop-down arrow and select a participant from the list.
3. Click **View Report**.

Participants can only view their own dashboard.

B2B Hub Dashboard (Current Status)	
Participant ID:	NEMMCO
Participant Name:	Australian Energy Market Operator Limited
Report	
Participant (*):	<input type="text"/>
<input type="button" value="View Report"/>	

4. The status report displays. Do one of the following to view further information:
- Click **Flow Control information** to display the flow control information.
 - Click **Download Report As CSV File** to download the result as a .csv file.

B2B Hub Dashboard (Current Status)

Participant ID: NEMMCO
Participant Name: Australian Energy Market Operator Limited

Report
Participant (*): NEMMCO - Australian Energy Market Operator Limited
View Report

State Number	Description	Inbox	Outbox	Total in this state	Status	Next Action
1	.zip file exists in Inbox no other corresponding files.	.zip		0	.zip has not been delivered to other participant	B2B Handler to copy file to other participant
2	.zip file exists in Inbox corresponding .ac1 file exists in Outbox	.zip	.ac1	18	.zip has been delivered to other participant	Other participant to send .ack file
3	.zip file exists in Inbox corresponding .ac1 and .ack files exist in Outbox	.zip	.ac1 .ack	0	Other participant has acknowledged receipt of .zip file	Current participant to validate .ack and delete .zip file from Inbox.
4	.zip file does not exist in Inbox corresponding .ac1 and .ack files exist in Outbox		.ac1 .ack	0	Current participant has accepted the .ack and deleted .zip file	B2B Handler to delete .ac1 and .ack from Outbox
5	.zip file exists in Outbox no other corresponding files		.zip	0	.zip file has been received from other participant	Current participant to send acknowledgment to other participant (.ack file)
6	.zip file exists in Outbox corresponding .ack file exists in Inbox	.ack	.zip	0	.ack has not been delivered to other participant	B2B Handler to copy .ack to other participant
7	.zip does not exist in Outbox .ack exists in Inbox	.ack		0	B2B Handler has delivered .ack to the other participant and deleted .zip from Outbox	Current participant to delete .ack from Inbox.

Number of Invalid Acknowledgements: 0

Flow Control information
Download Report As CSV File

B2B transforms and protocol

All B2B E-Hub Participants with access rights use the **B2B Transforms and Protocol** interface to:

- Nominate or change the B2B aseXML schema they want to use for receiving B2B transactions and acknowledgements.
- Select their delivery method, either FTP or API .

About B2B transforms and protocol

About transforms

AEMO applies an XML transform to change the schema release of user-selected transaction types, including their acknowledgements. Only the transaction types supported in both the currently supported and immediately superseded schema releases are available for selection, since any transaction type available in only one release of an aseXML schema is limited to that release.

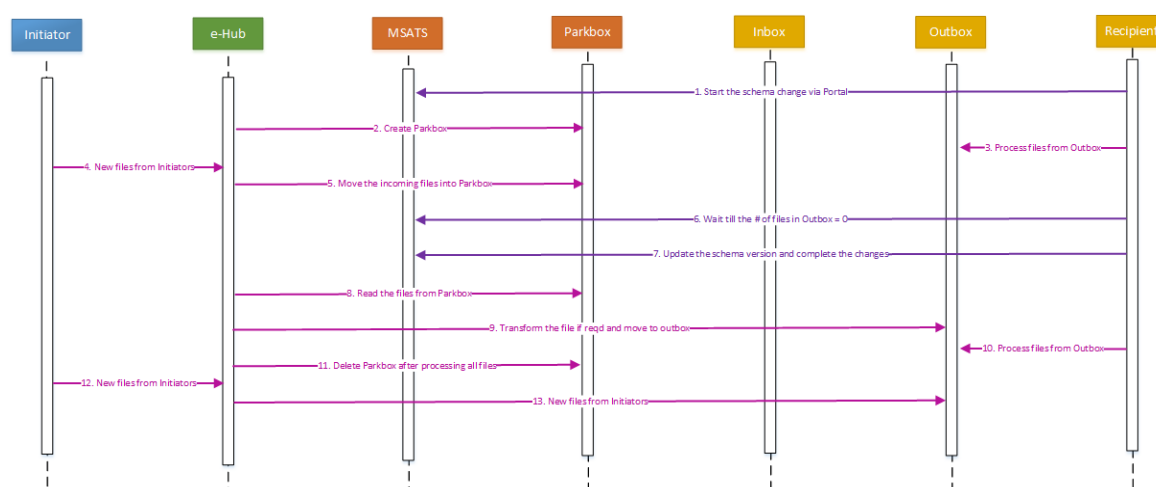
Versioning of the transaction types and the aseXML schema are different, although related. Each aseXML release has a unique identifier, being its namespace identifier (for example, xmlns="urn:aseXML:r25"). The part after the second colon in the namespace identifier is used as an abbreviation of the aseXML schema namespace identifier, since that is the part that changes from one release of aseXML schema to the next. By convention, transaction types use the abbreviation of the aseXML schema identifier when the transaction type definition last changed as the version identifier of that transaction type. This means the two identifiers are related, look the same, and both can be called a "version". So, the meaning of the abbreviation (such as "r25") depends upon its context, and it is possible to easily misinterpret the context due to the relationship. Similarly, the word "version" may refer to the transaction type version attribute or to the aseXML namespace identifier abbreviation, depending upon context. Processing XML files (including transforming) requires clear handling of the namespace, so the **B2B Transforms** menu has the aseXML schema releases as its primary context, and the transaction types are used to partition the transitioning process (if desired).

The ability to transition one B2B transaction group at a time allows progressive implementation of the changeover from one aseXML schema release to the next supported release in B2B.

Making the transition from receiving in one release of aseXML to another requires reducing activity to zero, to achieve a clean changeover. Doing nothing for an extended time hampers the flow of B2B business between participants, so a time-limit is imposed for the transition. To prevent an excessive backlog of files to catch up, a maximum is set for the count of .zip files held back from processing during the transition before the changeover is either completed or cancelled.

During the transition time, a temporary holding folder in each participant's B2B folder, called "parkbox", holds the files sent by other participants. When the transition between aseXML releases completes, the files in the holding folder are copied or transformed into the outbox and deleted after processing.

Figure 5 B2B schema change process



Applying B2B transforms

B2B transforms **only** occur between the current and superseded versions of the B2B aseXML schema. If no transform is available (for example, it is not current or superseded) the files are delivered in the schema version they were sent in.

AEMO does not transform between the aseXML B2B schema and the aseXML B2M schema.

For assistance transitioning your aseXML schema version, see [Guide to Transition of aseXML](#).

Supported B2B schema versions

The B2B e-Hub supports all aseXML schema versions. For example, you can send any B2B file in any published schema version, not just current or superseded. If the recipient cannot process a particular schema version, the recipient must respond to the file with a negative acknowledgement (a rejection).

If sending participants use a B2B schema that is not the current or superseded version, they must have an agreement in place with the receiving participant so the file is not rejected.

About protocols

Participants can set different protocols for different Transaction Groups but the protocol must be the same within a Transaction Group. For example, for a SORD transaction you cannot send in FTP and receive in API.

Protocols determine the delivery method for sending and receiving B2B transactions. The B2B e-Hub supports two protocols:

1. API: Provides B2B communication options using web services or using direct connections from a compatible participant gateway. API is accessible over the internet or MarketNet.
2. FTP: 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.

B2B Transforms and Protocol

Participant ID: NEMMCO
Participant Name: Australian Energy Market Operator Limited

You have 0 B2B .ZIP files parked out of the allowed 480. Change B2B schema Change delivery method You have 30 minutes to complete your change.

B2B transaction group	Receiving schema version	Change to version	Receiving protocol	Change to Protocol	Outbox		Hub Queue		Parked	
					Messages	ACKS	Messages	ACKS	Messages	ACKS
MTRD	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
SORD	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
MRSR	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
CUST	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
SITE	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
OWNP	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
OWNX	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
NPXN	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
PTPE	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0

Receiving schema version	Transforms applied
r36	r38 to r36
r38	r36 to r38

B2B transforms and protocols user access rights

For access to the B2B Transforms, Participant Administrators select the **B2B Transforms** entity in the **Administration > Maintain Rights** menu.

Access B2B transforms and protocols

1. On the main menu, click [B2B Browser](#) and then click [Transforms and Protocol](#).
2. The [B2B Transforms and Protocol](#) interface displays.
If a B2B stopfile is in place you will see an error. For help, see [Access B2B transforms and protocols above](#)

Nominating B2B transforms

To nominate a new B2B transform for one or more B2B transaction types (for both the transaction and its acknowledgement):

Participants have 30 minutes to complete a B2B Transforms change.

1. [Access B2B transforms and protocols](#). For help, see page [Page 82](#).
2. Click the drop-down arrows under [Change to version](#) and select the schema release you are going to handle for each required [B2B transaction group](#).
For help, see [Figure 6 on the next page](#).
 - a. [r_any](#) means you can receive in any available [Receiving schema version](#).
3. Click [Refresh](#) to check if you are stopped for B2B file input and if not click [Start change](#).
4. Continue clicking [Refresh](#) until the file count is zero (0) for all files.
5. When the total file count is zero, [Complete change](#) activates, do one of the following:
 - a. To complete the transform, click [Complete change](#).

- b. To abandon the transform, click **Cancel change**. Abandoning the change is only possible if you have not already completed the change. If **Cancel change** is not activated (that is, is greyed out) then you have either, already completed the change, or the change is cancelled.

Figure 6 Nominate B2B schema version

B2B Transforms and Protocol

Participant ID:

NEMMCO

Participant Name:

Australian Energy Market Operator Limited

You have 0 B2B .ZIP files parked out of the allowed 480.

You have 30 minutes to complete your change.

B2B transaction group	Receiving schema version	Change to version	Receiving protocol	Change to Protocol	Outbox		Hub Queue		Parked	
					Messages	ACKS	Messages	ACKS	Messages	ACKS
MTRD	r36	r36	FTP	FTP	0	0	0	0	0	0
SORD	r36	r36	FTP	FTP	0	0	0	0	0	0
MRSR	r36	r36	FTP	FTP	0	0	0	0	0	0
CUST	r36	r36	FTP	FTP	0	0	0	0	0	0
SITE	r36	r36	FTP	FTP	1	0	0	0	0	0
OWNP	r36	r36	FTP	FTP	0	0	0	0	0	0
OWNX	r36	r36	FTP	FTP	0	0	0	0	0	0
NPNX	r36	r36	FTP	FTP	0	0	0	0	0	0
P2PE	r36	r36	FTP	FTP	0	0	0	0	0	0

Start change

Cancel change

Refresh

Complete change

Receiving schema version

Transforms applied

r36

r35 to r36

r36

r34 to r36


The complete change button remains inactive until the file count is zero.

Checking the B2B stopfile

To check for the presence of a B2B stopfile in your B2B Outbox:

1. **Access B2B transforms and protocols**. For help, see page **Page 82**.
- If a stopfile is present the message below displays asking you to acknowledge the B2B zip files in your outbox because it must be empty for the transition to complete. For help, see **B2B outbox on page 18**.
- If a stopfile is present, clear the outbox.
- Click **Refresh** to check if the stopfile is cleared. If yes, the **B2B Transforms and Protocols** interface displays.

B2B Transforms	
Participant ID:	NEMMCO
Participant Name:	Australian Energy Market Operator Limited

 You are stopped for B2B file input.
Please acknowledge your B2B zip files and then click refresh to complete your schema version change.

[Refresh](#)

Unless you have placed the stopfile yourself, a stopped status indicates you are stopped from participating in the market. Consequently, you cannot make any changes to your protocol preference or receiving schema. For more details, see B2B Procedures.

Select your protocol preference

Participants have 30 minutes to complete a protocol preference change.

1. [Access B2B transforms and protocols](#). For help, see page [Page 82](#).
2. Under [Change to Protocol](#), click the drop-down and select either [FTP](#) or [API](#) for each transaction group.
3. Click [Complete change](#).
If [Complete change](#) is inactive, check you have completed B2B Self-Accreditation.

To change your protocol preference you must be an accredited B2B E-Hub Participant. For help, see [Guide to B2B e-Hub Self-Accreditation](#).

Figure 7 Select protocol

B2B Transforms and Protocol

Participant ID:

NEMMCO

Participant Name:

Australian Energy Market Operator Limited

You have 0 B2B .ZIP files parked out of the allowed 480.

You have -10 minutes to complete your change.

2

B2B transaction group	Receiving schema version	Change to version	Receiving protocol	Change to Protocol	Outbox		Hub Queue		Parked	
					Messages	ACKS	Messages	ACKS	Messages	ACKS
MTRD	r36	r36 ▼	FTP	FTP ▼	48	2	0	0	0	0
SORD	r36	r36 ▼	FTP	FTP API	50	0	0	0	0	0
MRSR	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0
CUST	r36	r36 ▼	FTP	FTP ▼	13	0	0	0	0	0
SITE	r36	r36 ▼	FTP	FTP ▼	6	0	0	0	0	0
OWNP	r36	r36 ▼	FTP	FTP ▼	1	0	0	0	0	0
OWNX	r36	r36 ▼	FTP	FTP ▼	4	0	0	0	0	0
NPNX	r36	r36 ▼	FTP	FTP ▼	3	0	0	0	0	0
P2PE	r36	r36 ▼	FTP	FTP ▼	0	0	0	0	0	0

3

Start change

Cancel change

Refresh

Complete change

Receiving schema version	Transforms applied
r36	r35 to r36
r36	r34 to r36

B2B Self-Accreditation

All participants intending to be B2B E-Hub Participants (participants) must acquire accreditation from AEMO in the pre-production B2B E-Hub before they can access the production e-Hub.

For details, see [Guide to B2B eHub Self-Accreditation](#).

B2B Responder

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About the B2B Responder

The B2B Responder is only available in the MSATS pre-production environment.

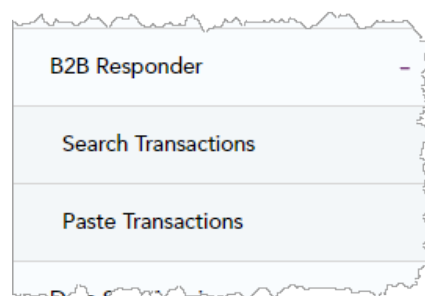
The B2B Responder is used by participants to specify which transactions they would like to receive as part of the initiative to test the operational interaction between participants' systems and the MSATS B2B e-Hub. Participants with appropriate MSATS access rights can specify which standard transactions they would like to receive. For help with user access rights, see [User rights access on page 6](#).

Participants can also search and track the flow of messages between the Responder and themselves.

Standard transactions have fixed values, preset in templates within the system. Field requirements (optional, mandatory etc.) in the aseXML schema are separate from field requirements in the procedures. For example, mandatory in the procedures may not mean mandatory in the aseXML schema. **Procedural requirements must be complied with.** For help with B2B procedures and transactions, see [B2B Procedures](#).

Participants can use the **B2B Validation Module Software** and **Validation Module Matrix** for help validating an .XML file before it is deployed to the B2B e-Hub.

The **B2B Responder** is located on the main menu in the MSATS **pre-production** web portal environment only. For help accessing the MSATS web portal, see [Accessing B2B e-Hub on page 9](#).



B2B Responder user access rights

Your company's Participant Administrator (PA) provides access to B2B Responder for ParticipantUsers in the MSATS>Administration>MaintainEntities menu, using the following entities:

- B2BR Create Transactions
- B2BR Search Transactions
- B2BR Search All Participants Transactions
- B2BR Paste Transactions

Create transactions

The **Transaction Group** section contains options for each transaction group for example, if the **SORD** check box is selected, all transactions under the SORD section are automatically ticked. Alternatively, each transaction can be checked individually.

Create transactions user rights access

For access to Create transactions, Participant Administrators select the **B2BR Create Transactions** entity in the Administration > Maintain Rights menu.

Creating transactions

To create a transaction:

1. On the main menu, click **B2B Responder** and then click **Create Transactions**.
2. The **Create Standard Transaction** interface displays. See [Figure 8 on the next page](#).
3. The available transactions display where you make your selections. The **Messaging Transactions** section has three options:
 - **Messaging Transactions** allows the creation of multiple transactions within one message.
 - **Duplicate Messages** - allows the creation of two exact same messages.
 - **Duplicate Transactions** - allows the creation of two exact same transactions, each in a different message.
4. Make your selections and click **Continue**.
5. The **Create Standard Transaction** interface displays requiring additional information.
Only the appropriate fields are set, for example the **Initiating Transaction ID** is not set for an **Allocate NMI transaction**, but is set for a **Meter Data Notification**. The key fields do not apply to multiple and duplicate messages or transactions.
6. Complete your required fields and click **Continue**.

For help understanding the fields, see [Table 6 on page 92](#).

Figure 8 Create Standard Transactions

Create Standard Transactions	Participant ID:	NEMMCO
	Participant Name:	Australian Energy Market Operator Limited

Messaging Transactions

- ☐ Multiple Transactions
- ☐ Duplicate Messages
- ☐ Duplicate Transactions

SORD

- ☐ Service Order Response
- ☐ De-energisation > Recipient Discretion
- ☐ Metering Service Works > Exchange Meter
- ☐ Metering Service Works > Install Meter
- ☐ Metering Service Works > Meter Reconfiguration
- ☐ Metering Service Works > Remove Meter
- ☐ Miscellaneous Services
- ☐ Re-energisation > After Disconnect for Non-payment
- ☐ Re-energisation > Recipient Discretion
- ☐ Special Read > Check Read
- ☐ Supply Service Works > Allocate NMI
- ☐ Supply Service Works > Establish Permanent
- ☐ Supply Service Works > Supply Abolishment

MTRD

- ☐ Meter Data Notification
- ☐ Provide Meter Data
- ☐ Verify Meter Data

CUST

- ☐ Customer Details Notification
- ☐ Customer Details Request

SITE

- ☐ Site Access Notification
- ☐ Site Access Request

OWNX

- ☐ Meter Fault and Issue Notification
- ☐ Notice of Metering Works
- ☐ Planned Interruption Notification

NPNX

- ☐ Notified Party > SO Requested (Re-energisation > After Disconnect for Non-payment)
- ☐ Notified Party > Accepted by Notified Party (Re-energisation > After Disconnect for Non-payment)
- ☐ Notified Party > Rejection by Notified Party (Re-energisation > After Disconnect for Non-payment)

7. Review the details and click **Submit**.

Create Standard Transactions		Participant ID:	PPPPPPP
		Participant Name:	PPPPPPP Pty Ltd
Transaction List			
Customer Details Request			
Participant ID			
To Participant ID	PPPPPPP		
From Participant ID	RESPONDER1		
Key Fields			
NMI	1234567890		
Initiating Transaction ID	AA-123456		
Meter Serial Number	BQ12324567		
Service Order Number	SO-0987654		
Service Provider Reference	SPR-8888888		
Address			
House No	95		
Street Name	George		
Street Type	CRES		
Locality	Sydney		
Postcode	2000		
State	NSW		
Scheduling			
Schedule Date	8-Apr-2009		
Schedule Time	10:00:00		
Email			
Email	someone@somewhere.com.au		
<input type="button" value="Submit"/>			

8. A confirmation message displays the **Message IDs**. All messages are created in the appropriate Responder local inbox and sent to the B2B Hub.

To create another set of standard transactions, click the **Create Transactions** menu not your internet browser's back button.

Transactions successfully submitted.

Standard Templates Message Ids: B2BRM228, B2BRM229

Table 6 Create Standard Transaction fields

Field Name	Description
NMI	The NMI for the transaction
Initiating Transaction Id	The Initiating transaction.
Meter Serial Number	The meter serial number for the transaction.
SORD Order Number	The service order number for the transaction.
SORD Reference Number	The service order reference number for the transaction.
Address	The physical address for the transaction. All fields must be completed for the address to be included in the transaction. If a field is left blank then all the address fields are ignored.
Scheduled Date	The date the transactions are to be sent. If the scheduled date is in the past, the transaction(s) is sent immediately.
Scheduled Time	The time the transactions are to be sent. If the scheduled date and time is in the past, the transaction(s) is sent immediately.
Email	The email address to send a confirmation email. The field only supports the entry of one email address.

Search transactions

Participant Users with appropriate rights can search and track the flow of messages between the responder and other participants. They can see all participants in the **Participant** drop-down list, making it possible for an administrator to track messages between the responder and all participants.

Search transactions user rights access

For access to Search transactions, Participant Administrators select the **B2BR Search Transactions** and **B2BR Search All Participants Transactions** entities in the Administration > Maintain Rights menu.

Searching transactions

To search transactions:

1. On the main menu, **click B2B Responder and then click Search Transactions**.
2. The Search Transaction interface displays. Complete the required and optional fields (see list below) and click **Search**.

- a. **From Date*** - the date the message was created or received by the responder must be greater than or equal to this date.
 - b. **To Date*** - the date the message created or received by the responder must be less than or equal to this date.
 - c. **Message Type*** - The message type. There are 4 message types. Message, Transaction, Transaction Ack, Message Ack.
 - d. **Transaction Group** - The transaction group. There are four groups: SORD, SITE, CUST and MTRD.
 - e. **Transaction Type** - The transaction type.
 - f. **Transaction Status** - Rejected, Partial or Accepted.
 - g. **Responder*** - The responder instance.
 - h. **Participant*** - The participant.
 - i. **Message ID**
 - j. **Transaction ID**
 - k. **Initiating Message ID**
 - l. **Initiating Transaction ID**
 - m. **Sort By** - The field to sort on.
3. Click **Search**. The search results display.

The top table shows transactions or messages from the Responder to you. The bottom table shows transactions or messages from you to the Responder.

Search Transactions							Participant ID: NEMMCO
							Participant Name: NEMMCO
Responder to Participant							
Date	Type	From	To	Message Id	Ack Status	Responder Status	View
2005-04-14 09:59:38.0	MSG	RESPOND1	NEMMCO	B2BRM204	-	SENT	View XML UID 194
2005-04-14 09:59:38.0	MSG	RESPOND1	NEMMCO	B2BRM205	-	SENT	View XML UID 195
2005-04-14 11:58:28.0	MSG	RESPOND1	NEMMCO	B2BRM213	-	SENT	View XML UID 234
2005-04-14 11:58:28.0	MSG	RESPOND1	NEMMCO	B2BRM214	-	SENT	View XML UID 237
2005-04-14 14:29:27.0	MSG	RESPOND1	NEMMCO	B2BRM228	-	PENDING	View XML UID 265
2005-04-14 14:29:28.0	MSG	RESPOND1	NEMMCO	B2BRM229	-	PENDING	View XML UID 266
Participant to Responder							
Date	Type	From	To	Message Id	Ack Status	Responder Status	View

- To view a transaction's XML file, click **View XML**. Use the browser's back button to look at the search result again, or search other transactions.

Welcome HENDYL
You have 10 Message(s)
[Home](#)
[Set Participant](#)

- Participants
- Transactions
- NMI Information
- Profile Preparation
- Data Load Import
- Metering Data
- Settlement Data
- Reports
- B2B Browser
- Administration
- User Profile
- B2B Responder
 - Create Transactions
 - Search Transactions
 - Paste Transactions

[Logout](#)

```

<?xml version="1.0" encoding="UTF-8" ?>
<ase:aseXML xmlns:ase="urn:aseXML:r17" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:aseXML:r17 http://www.nemmco.com.au/aseXML/schemas/r17/aseXML_r17.xsd">
  <Header>
    <From>RESPOND1</From>
    <To>NEMMCO</To>
    <MessageID>B2BRM205</MessageID>
    <MessageDate>2005-10-17T09:30:47+10:00</MessageDate>
    <TransactionGroup>SORD</TransactionGroup>
    <Priority>Medium</Priority>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="B2BRT215" transactionDate="2005-10-17T09:30:30.0+10:00">
      <ServiceOrderResponse version="r17" responseType="Appointment">
        <ServiceOrder>
          <NMI>1234567890</NMI>
          <ServiceOrderType xsi:type="ase:ElectricityServiceOrderType">
            <WorkType>New Connection</WorkType>
          </ServiceOrderType>
          <ServiceOrderNumber>9798798797</ServiceOrderNumber>
          <ServiceProviderReference>SR005684</ServiceProviderReference>
        </ServiceOrder>
        <AppointmentDetail>
          <Reference>979879JGJH</Reference>
        </AppointmentDetail>
        <Preferred>
          <Date>2005-11-11</Date>
          <Time>09:30:47.00+10:00</Time>
        </Preferred>
      </AppointmentDetail>
    </ServiceOrderResponse>
  </Transaction>
</Transactions>
</ase:aseXML>

```

Paste transactions

Participant Users with appropriate access rights can paste XML messages containing Transactions and Acknowledgements they want to receive.

The functionality only allows valid schema aseXML messages. It does not support the pasting of standalone events or message ACKS. If the message does not contain an appropriate Responder instance in the <From> tag, the message is stored in the database but is not sent to the participant.

Paste transactions user rights access

For access to Paste transactions, Participant Administrators select the **B2BR Paste Transactions** entity in the Administration >Maintain Rights menu.

Pasting transactions

To paste transactions:

1. On the main menu, click **B2B Responder** and then **Paste Transactions**.
2. The Paste Transaction interface displays. It does not support the pasting of standalone events or message acks. Below is a Customer Details XML message example .
3. Past your message and click **Submit**.

Create Standard Transactions

Participant ID
Participant Name

Paste Message

Message XML

```

<?xml version="1.0" encoding="UTF-8"?>
<ase:aseXML xmlns:ase="urn:aseXML:r17" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:aseXML:r17
http://www.nemmco.com.au/aseXML/schemas/r17/aseXML_r17.xsd">
  <Header>
    <From>INTEGP</From>
    <To>AGLE</To>
    <MessageID>KJHKJHK-34567</MessageID>
    <MessageDate>2005-10-15T01:02:40+10:00</MessageDate>
    <TransactionGroup>CUST</TransactionGroup>
    <Priority>Medium</Priority>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="3453535315" transactionDate="2005-10-
15T01:02:35+10:00">
      <CustomerDetailsRequest version="r17">
        <NMI checksum="7">1234567890</NMI>
        <Reason>Other</Reason>
        <Comments>
          <CommentLine>Consumption on vacant
premise</CommentLine>
        </Comments>
      </CustomerDetailsRequest>
    </Transaction>
  </Transactions>
</ase:aseXML>

```

Submit

Reset

- If the message is schema valid, a confirmation message displays. Otherwise, if the schema is not valid, for example, has a missing header, an exception displays, similar to the one below.

Exception details:

```

org.xml.sax.SAXException: XML is not schema valid.
** Parsing error, line 5
Error message: cvc-complex-type.2.4.a: Invalid content was found starting with element 'Transactions'. One of '{":Header"}' is expected.

```

Testing transactions

This service is only available in the MSATS pre-production environment.

Participants can test their B2B transactions by placing a transaction file in their participant B2B Inbox, addressed to either of the following MSATS participant IDs in the **To** field of the message header:

- RESPONDER1
- RESPONDER2

Access to the B2B responder from your B2B Inbox does not require access rights.

The responder acts as a virtual participant validating the transaction for aseXML schema and business rule compliance. It creates a message response followed by a transaction acknowledgement and places them in your participant B2B Outbox with one of the following:

- If validation succeeds the file is accepted with an ACCEPT status.
- If validation fails the file is rejected with a REJECT status.

Participants can use the [Participant Batcher Software](#) to move files from their local MSATS participant folders to their AEMO MSATS participant folders. For help, see [Guide to Participant Batcher Software](#).

For more information, on the [B2B Procedures](#) web page, see:

- [B2B Guide](#): The definition and standard of B2B Transactions.
- [B2B Procedure: Technical Delivery Specification](#): Delivery and format of B2B Transactions.

Needing Help


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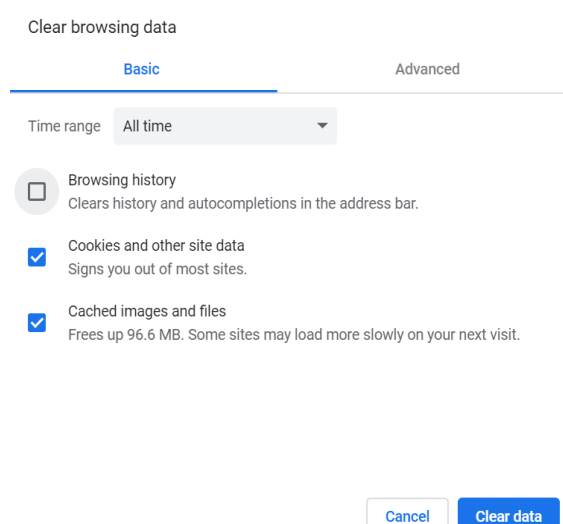
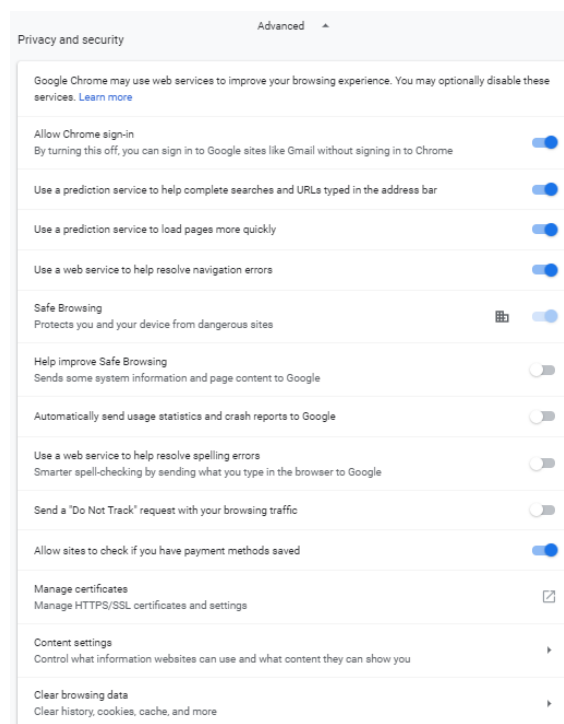
Clearing your cache

When you use AEMO's web applications, your browser stores information (for example, images) to avoid downloading it every time you open the web page. While this increases the speed, it could mean you are getting an older version of the web page and not the latest updates. To avoid this, AEMO recommends you clear the cache regularly.

The following sections explain the steps to clear the cache in your web browser.

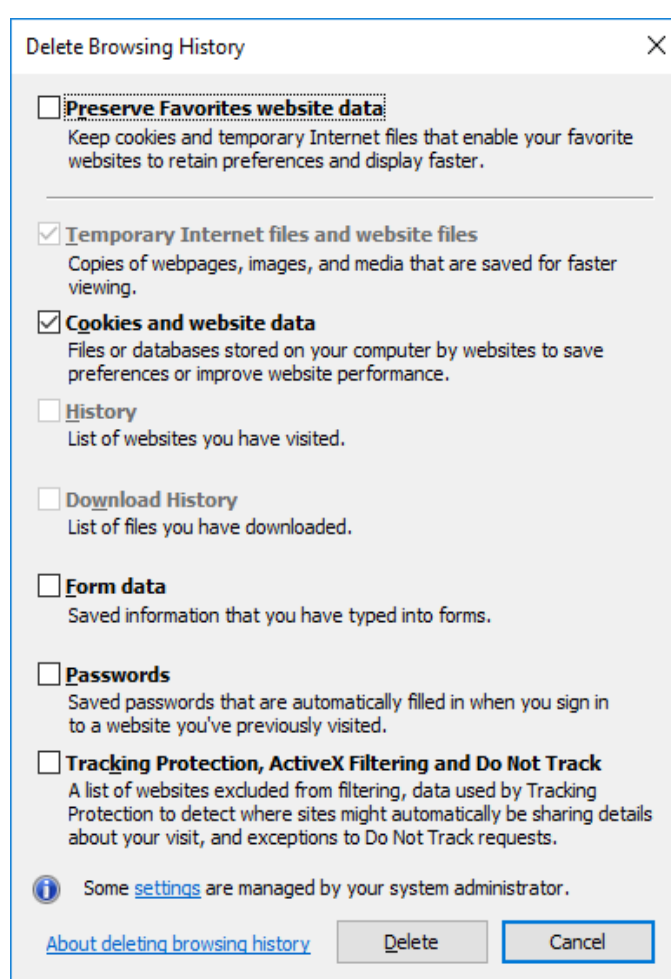
Google Chrome

1. Click  on your browser.
2. Click **Settings**. You can also open this window using the **Ctrl + Shift + Delete** keyboard shortcut.
3. Scroll to the bottom of the page and click **Advanced**.
4. Under **Privacy and security**, click the arrow next to **Clear browsing data**. A new window opens.
5. Select the **Cookies and other site data**, and **Cached images and files** options.
6. From the **Time range** drop-down menu, choose **All time** option.
7. To clear all cache information, click **Clear data**.



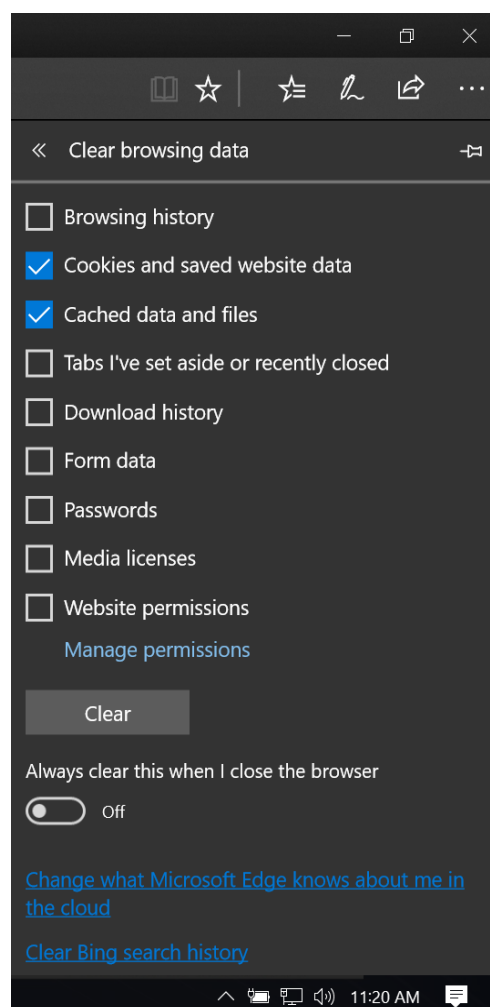
Internet Explorer (IE)

1. On your web browser, click **Setting > Internet Options > General tab > Browsing history**, click **Delete...** You can also open this window using the **Ctrl + Shift + Delete** keyboard shortcut.
2. In the Delete Browsing History window, select **Cookies and website data** option.
3. To remove all cache information, click **Delete**.



Microsoft Edge

1. Click ... on your browser.
2. Click **Settings** > **Clear browsing data** > **Choose what to clear** option from the dropdown menu. You can also open this window using the **Ctrl + Shift + Delete** keyboard shortcut.
3. Select the **Cookies and saved website data**, and **Cached data and files** options.
4. To delete all cached information, click **Clear**.



Setting a participant

Provided you have permission to do so, the **Set Participant** function allows you to act for another participant without having to log out, change IDs and log in again. The participant you are acting for is indicated in the web portal interface. For permission to see other participant IDs using Set Participant, see your company's PA.

For help using Set Participant, see [Setting a participant](#).

System requirements

The B2B e-Hub web portal is accessed using a web browser and requires:

- The website address where the application is located on AEMO's network. See [Accessing B2B e-Hub on page 9](#).
- A supported web browser, see [Supported web browsers below](#).
- Access to MarketNet. If your company is a Registered Participant, you already have access because it is set up during participant onboarding. For more details, see [Guide to Information Systems](#).
- A user ID and password provided by your company's participant administrator (PA) who controls access to AEMO's participant systems. For more details see [User rights access on page 6](#).

The B2B e-Hub runs on both Windows and Unix-like operating systems.

Supported web browsers

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

The B2B e-Hub runs on both Windows and Unix-like operating systems. To use the Markets Portal, AEMO recommends the following web browsers:

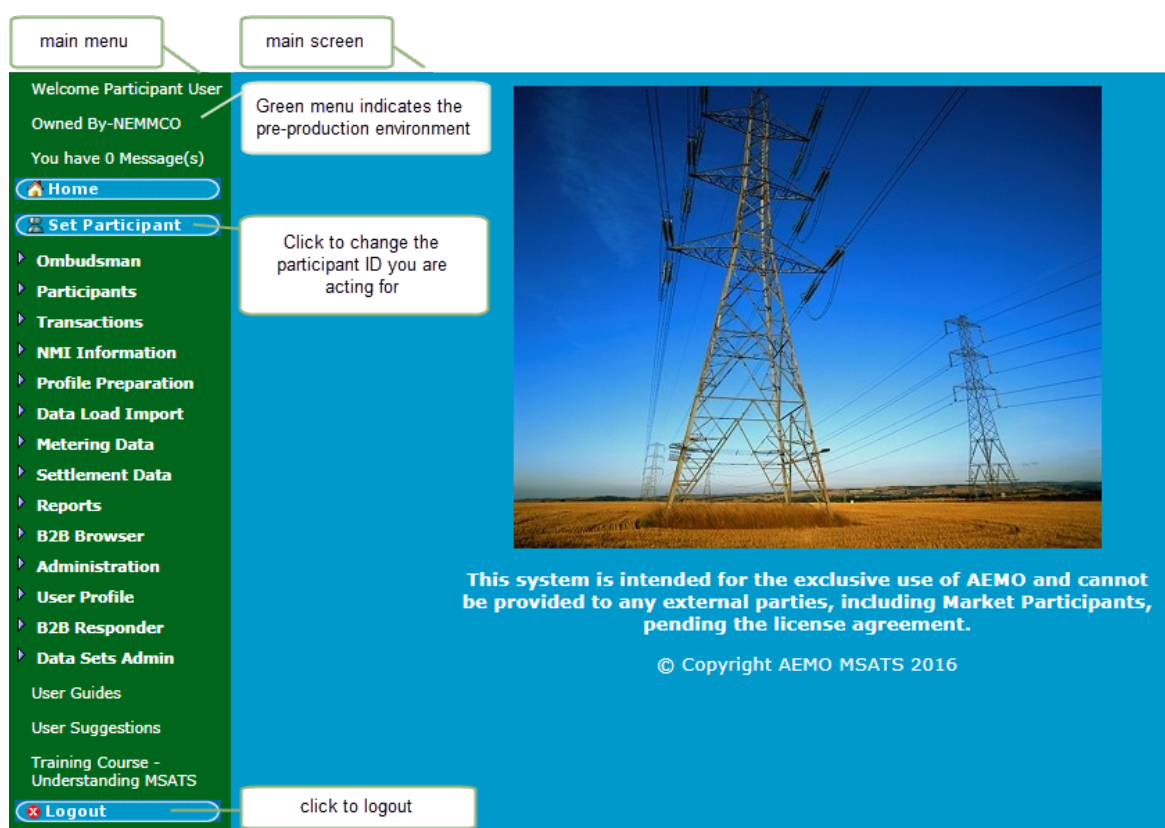
Browser	Platform	Current	More information
Microsoft Internet Explorer	Windows	IE11	https://www.whatismybrowser.com/guides/the-latest-version/internet-explorer
Microsoft Edge (Microsoft recommended)	Windows 10	Edge	https://www.whatismybrowser.com/guides/the-latest-version/edge?utm_source=whatismybrowsercom&utm_medium=internal&utm_campaign=latest-version-index
Google Chrome (AEMO recommended)	All platforms	Latest	https://www.whatismybrowser.com/guides/the-latest-version/chrome

Environment access

The MSATS web 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.

For help changing your password, see [Using the Markets Portal](#).



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.

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.

Feedback

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

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Rules terms

You can find the following terms defined in the relevant [Energy rules](#) and procedures.

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B2B e-Hub Participants.	1
B2B e-Hub participants	2
Registered B2B e-Hub Participant	6
energy ombudsman	8
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Glossary

For MSATS and B2B terms, see:

- [Retail Electricity Market Glossary and Framework](#)
- [Industry Terminology](#) on AEMO's website.

References

You can find resources mentioned throughout this guide on AEMO's website:
www.aemo.com.au.

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