GUIDE TO DATA SHARING

EXPLAINS HOW TO SHARE DATA WITH ANOTHER PARTICIPANT ID USING AEMO'S DATA INTERCHANGE SOFTWARE

Version: 2.00

Published: Friday, 30 September 2016

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GLOSSARY

This document is written in plain language for ease of reading. Where there is a discrepancy between the Rules, and information or a term in this document, the Rules take precedence.

AEMO
Australian Energy Market Operator

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

DBMS
Database management system

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

EMMS
Wholesale Electricity Market Management System; software, hardware, network and related processes.

Energy market systems web portal
Single web portal interface to access AEMO's IT systems.

FTP
File transfer protocol

Participant ID
Registered participant identifier

Pre-production
Test and training environment, typically showing much less activity, if any.

Production
Live environment, actively reflecting the currently available data.

About Data Sharing

Subject to an authorised request, data sharing is handled using AEMO's Data Interchange (DI) software. A data sharing requirement may emerge, for example, due to a merger with, takeover of, or sale of another participant ID.

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

Data sharing benefits

The benefits of data sharing are:

- One participant ID can manage access and process the data for two or more participant IDs.
- Savings is bandwidth and download time for public data, since it is common to both participant IDs.

Data sharing risks

Having all the data in one database can be both an advantage and a disadvantage, so planning is required, see Planning for data sharing on the next page.

Who can share data?

Any participant ID using the Data Interchange software to receive files from AEMO into their Gas or Electricity Data Model DBMS, can share data with another participant ID, subject to an authorised request, see .Set Up Data Sharing on page 4.

For more details, see Guide to Data Interchange.

How does it work?

Implementing data sharing means all subscribed files (including private data) for the requesting participant ID are made available to another participant ID's set of folders in the participant file server. The sharing of data is for both pre-production and production.

It is possible to arrange for one participant ID to receive data for more than one other participant ID, or to arrange for both participant IDs to get the data for both participant IDs, although the standard data sharing is one-way; that is, one participant ID gets just its own data and the other participant ID gets the data for both participant IDs, see Figure 1 on page 3.

If a participant ID shares its data with another participant ID, and the first participant ID is already receiving data shared from a third participant ID, the data for the third participant ID is unseen by the second participant ID. To make the second participant ID receive the third participant ID's data requires a specific request to AEMO by all participant IDs.

Planning for data sharing

To share data with another participant ID you must have a Data Interchange system configured at your site and the energy market systems Data Subscription Services web application set-up with file subscriptions.

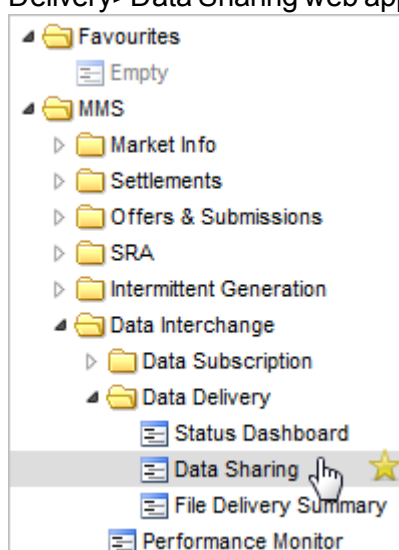For help, see the EMMS Data Subscription Services Guide.

Before you set up data sharing, understand what you wish to achieve and ensure your IT systems can process data for multiple participant IDs from the one file. Ensure downstream processes, procedures, and systems can handle the database with data for multiple participant IDs.

For help, see the Guide to Data Interchange.

Standard data sharing scenario

In this scenario, participant ID 1 wishes to receive both participant ID 1 and participant ID 2's data:
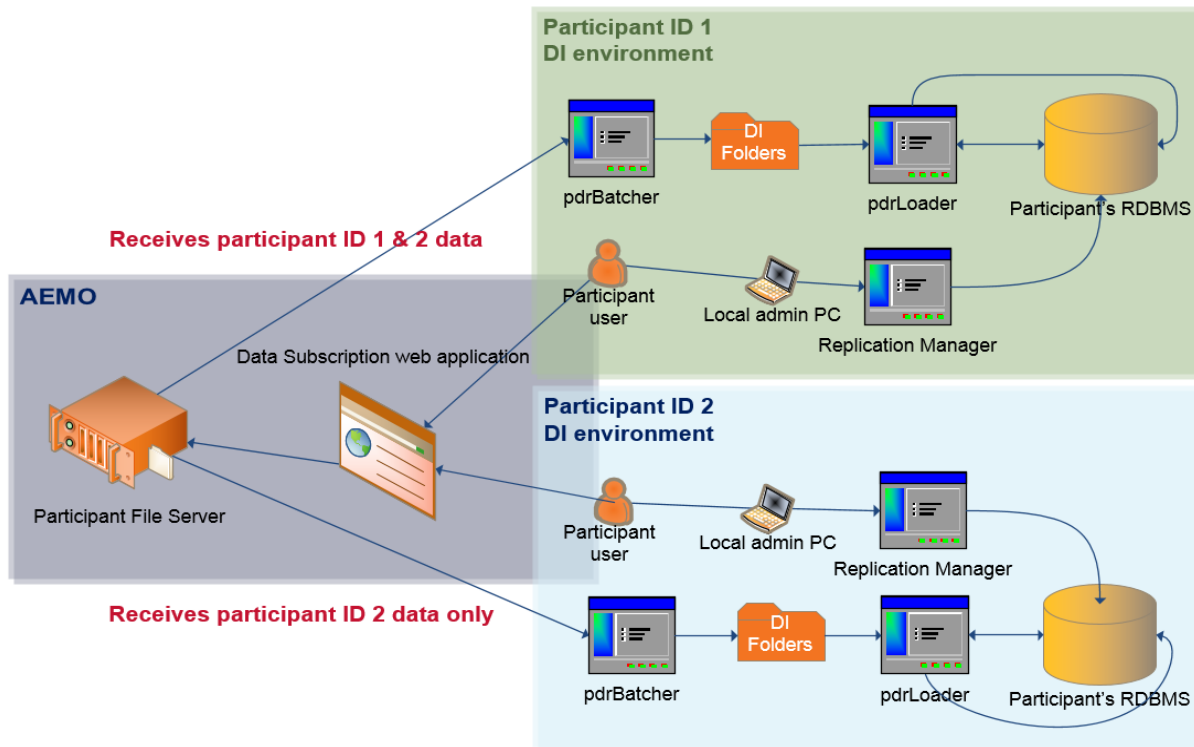
1. Participant ID 1 receives PUBLIC-DATA.ZIP and PARTICIPANT1_DATA.ZIP that includes **both participant's data, including private data**.

2. Participant ID 2 receives PUBLIC-DATA.ZIP and PARTICIPANT2_DATA.ZIP that includes **only participant ID 2's data**.

3. Each participant ID can independently manage which data packages they receive for their participant ID in the Data Subscription web application. A participant ID receiving data for another participant ID does not impact the other participant ID's file subscriptions.

4. Each participant ID can check its own data sharing status in the Data Interchange>Data Delivery>Data Sharing web application.

5. If participant ID 2's files are not removed by participant ID 2, AEMO purges files older than a couple of days.

Figure 1 Standard data sharing example

Accessing the Data Interchange software and guides

You can find Data Interchange software and associated documentation in the following locations:

1. Releases folder on the participant file share: FTP to 146.178.211.25 > Data Interchange, pdrBatcher, pdrLoader, or Replication Manager.

2. Data Subscription web application in the energy market systems web portal:
    ○ Production: https://portal.prod.nemnet.net.au
    ○ Pre-production: https://portal.preprod.nemnet.net.au

3. IT Systems & Change web page on AEMO's website.

Set Up Data Sharing

To set up data sharing, you must send a formal request in writing to AEMO's Information and Support Hub, Email: supporthub@aemo.com.au.

To formally request data sharing:

1. If there are two (or more) companies (that is, having different ABNs), each company must provide a request on their respective company letterhead, signed at senior management level, and detailing their specific circumstances.
Participant companies with the same ABN for all participant IDs involved, only need a single request from their registered company for their participant IDs.

2. Nominate a business contact with the authority to request or authorise the sharing of private data.

3. Nominate a technical contact to implement the changes at the participant ID site.

4. Include the following template paragraph authorising the sharing of private data:

<Company name> <ABN>for <participant ID(s)> <requests|authorises> AEMO to make available the EMMS full subscription data set (including private data) to <Company name> <ABN><participant ID(s)> via the EMMS Data Interchange and Data Subscription services. This is to remain in place until advised in writing. A letter from <Company name> < ABN> for <participant ID(s)> is forthcoming.

What happens next?

1. After receiving the valid letters, AEMO processes the data sharing request into pre-production and advises completion to the requestor.

2. After an initial testing period and your email confirmation to progress, AEMO implements your data sharing to production.

Cancel Data Sharing

Participants can cancel a data sharing agreement any time; only one involved participant ID needs to ask for its removal.

As part of the registration process, AEMO checks any data sharing arrangements, and if necessary, advises all parties involved.

To formally request withdrawal from a data sharing arrangement, submit the request on a company letterhead, signed at senior management level, detailing the specific circumstances. Include the following template paragraph authorising the withdrawal of private data sharing.

<Company name> <ABN>for <participant ID> requests AEMO to remove data sharing of the EMMS full subscription data set (including private data) <to/from or both to and from> <Company name> <ABN>for <participant ID>.

Deregistering a participant ID means all data sharing to or from that participant ID is removed.