Guide to setting up a standard Data Interchange environment v1.01
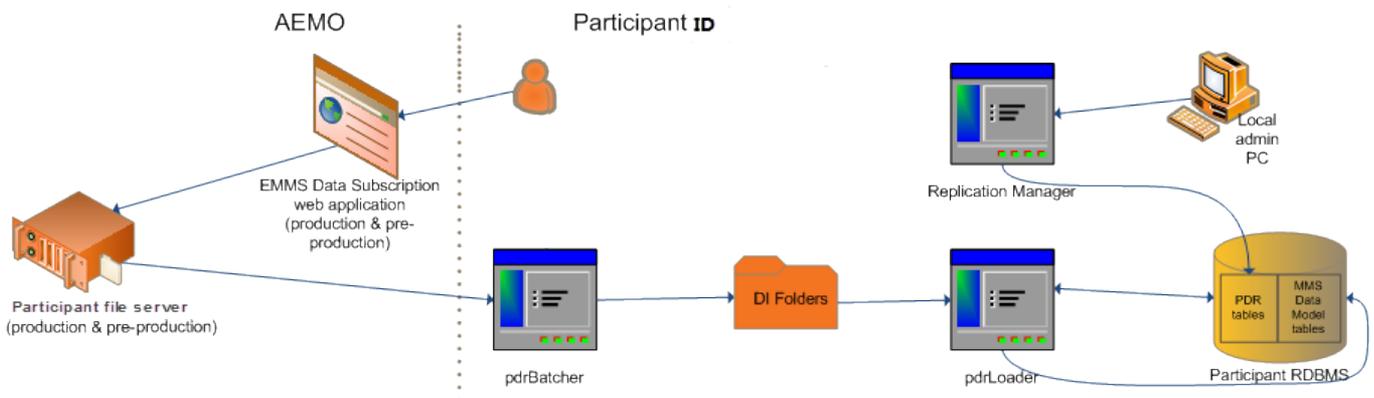
This section explains how to set up a standard implementation of Data Interchange (see Figure 1 below). AEMO recommend setting up your first Data Interchange environment in pre-production. Once you have a successful pre-production installation (used for testing), you can repeat the installation in production to receive live market data. Be careful to always keep the pre-production and production data entirely separate. For more help, see the Concise Guide to Data Interchange.

A standard Data Interchange environment is a single data feed, from one Participant ID folders on the participant file server, to a single participant database. For example, you can have your pre-production environment connected to the participant file server pre-production environment and your production environment connected to the participant file server production environment.

Under no circumstance point your pre-production environment to the AEMO production environment or vice versa. All participants are encouraged to use the pre-production environment to test implementation and to train their participant users, before attempting any changes or operations on the production systems.

AEMO's production and pre-production environments are independently operated, so the set of components shown in the Figure 1 below are duplicated for production and pre-production.

Figure 1: standard Data Interchange implementation

To set up a standard Data Interchange environment, follow the steps in Table 1 below.

Table 1: steps to set up a standard Data Interchange environment

Step	Do	Reference
1	Download and extract a DI bundle conforming to the MMS Data Model (Oracle or MS SQL Server).	Data Interchange web page on AEMO's website.
2	Set up Data Subscription:	*Data Subscription Services User*

Step	Do	Reference
	■ Configure report subscriptions using the Data Subscription web application. AEMO recommends subscribing to the full MMS Data Model data set.	*Interface Guide*
3	Create a DBMS instance to conform to the MMS Data Model: ■ Install the DBMS. ■ Install the latest MMS Data Model structure (target tables). Do not make any changes to the MMS Data Model structure.	*MMS Data Model GUI Installer Guide* *MMS Data Model Report*
4	Install and configure the Participant Data Replication Loader (pdrLoader).	*Participant Data Replication Loader User Guide* *Participant Data Replication Loader GUI Installer Guide* *README.txt*
5	Run the pdrLoader application: ■ In Windows, double-click `pdrLoader.bat` file in the `Lib` folder or start the Windows service. ■ In unix-like environments, execute the `pdrLoader.sh` file in the `Lib` folder.	*Participant Data Replication Loader User Guide*
6	Install the MMS Data Model configuration for pdrLoader.	*MMS Data Model pdrLoader Configuration Implementation Note*
7	Install Replication Manager: ■ Extract and install the Replication Manager software on a local PC running Microsoft Windows to monitor and control the operation of the pdrLoader.	*Replication Manager Installation Guide.*
8	Populate your DBMS with data: ■ Load the baseline data available from the participant file server `\MarketData\Baseline` to your pdrLoader `Reports` folder (baseline data excludes historical data). ■ Load the optional historical data.	Historical data is available on CD from AEMO's information and support hub, phone: 1300 AEMO 00 (1300 236 600), option 2 email: supporthub@aemo.com.au.
9	Install the Participant Data Replication Batcher (pdrBatcher).	*Participant Data Replication Batcher User Guide*
10	Run the pdrBatcher application: ■ In Windows, double-click `pdrBatcher.bat` file in the `Lib` folder or start the Windows service. ■ In unix-like environments, execute the `pdrBatcher.sh` file in the `Lib` folder.	*Participant Data Replication Batcher User Guide*