Upgrading a DI environment

You are required to apply upgrades to your Data Interchange (DI) environment in line with each AEMO release (usually twice yearly).

AEMO supports only the latest and previous versions of DI components so it is important to keep your DI environment current. DI cannot support out-of-sequence updates, so to ensure no loss of data, follow the steps in Figure 1 and Table 1 to upgrade your pre-production and production data model. You can find information about the current DI supported versions in the Technical Specification under Baseline Assumptions.

When AEMO releases a new data model, there are three DI components that you must upgrade:

1. PDR Loader configuration

2. Data Model tables

3. Data Subscription web application

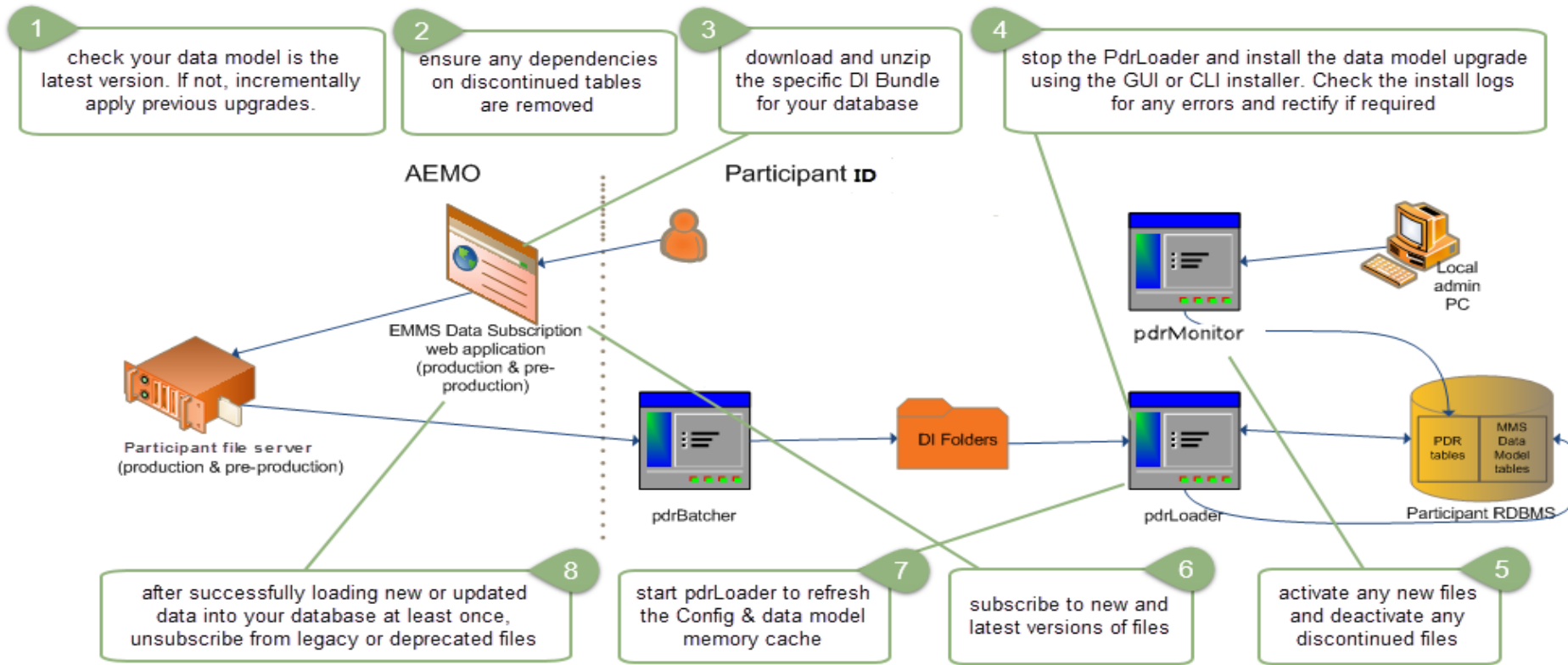Figure 1 Upgrading your standard Data Interchange environment

1 check your data model is the latest version. If not, incrementally apply previous upgrades.

2 ensure any dependencies on discontinued tables are removed

3 download and unzip the specific DI Bundle for your database

4 stop the PdrLoader and install the data model upgrade using the GUI or CLI installer. Check the install logs for any errors and rectify if required

AEMO

Participant **ID**

EMMS Data Subscription web application (production & pre-production)

Participant file server (production & pre-production)

pdrBatcher

DI Folders

pdrMonitor

Local admin PC

pdrLoader

PDR tables | MMS Data Model tables

Participant RDBMS

8 after successfully loading new or updated data into your database at least once, unsubscribe from legacy or deprecated files

7 start pdrLoader to refresh the Config & data model memory cache

6 subscribe to new and latest versions of files

5 activate any new files and deactivate any discontinued files

Table 1 Steps to apply a data model upgrade

* Software and references are in each DI bundle or on AEMO's website.

Step	When	What	Where	Reference*
1	Prior to release day	Check your data model is the latest version. If not, incrementally apply previous upgrades.	Your DI environment You can find previous data model versions in the Releases>MMS Data Model>Archive folder on the participant file share: FTP to 146.178.211.25	Release schedules & technical specifications. The Technical Specification has the supported data model versions under Baseline Assumptions.
2	Prior to release day	Ensure any dependencies on discontinued tables are removed.	Your own internal processes	Release Schedule & Technical Specification
3	1 week prior to release day	Download and unzip the specific DI Bundle for your database that contains all the required scripts and documentation.	DI software and documentation is in the following locations: 1. Releases> MMS Data Model folder on the participant file share: FTP to 146.178.211.25	Release Schedule & Technical Specification

Step	When	What	Where	Reference*
			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	
4	1 week prior to release day	Copy the configuration files in PUBLIC_ PDR_CONFIG_*_*_UPGRADE.zip to the pdrLoader reports directory and check the logs to ensure the configurations are loaded.	pdrLoader	Data Model pdrLoader Configuration Implementation Note README.txt

Step	When	What	Where	Reference*
		To avoid any loss of data during the upgrade, ensure the pdrLoader property "file_load_config_versioned" is set to TRUE.		
5	1 week prior to release day	Stop the PdrLoader and install the data model upgrade using the GUI or CLI Installer. Check the install logs for any errors and rectify if required.	pdrLoader	For more information, refer to Participant Data Replication Loader, and Troubleshooting the DI software.
6	1 week prior to release day	Activate the files to load into your database. Deactivate any discontinued files. This does not stop the delivery of the files to your participant ID folders.	pdrMonitor	Participant Data Replication Monitor (pdrMonitor) pdrLoaderConfiguration README.txt

Step	When	What	Where	Reference*
7	Release day	Subscribe to the new and latest version of files so they are sent to your Participant File Share ID folders. AEMO recommends subscribing to all available files and selectively activating them to load into your database. Note: If a file changes, AEMO automatically moves your existing subscriptions to the Legacy file to ensure you continue to receive the same data. If you are on a Legacy version you must move to the current version to see the new data.	Data Model Changes menu in the Data Subscription web portal application	For more information, refer to Participant Data Replication Loader.
8	Release day	Start the pdrLoader to refresh the Config and data model memory cache.	pdrLoader	For more information, refer to Participant Data Replication Loader.

Step	When	What	Where	Reference*
9	After successfully loading new data into your database at least once	Check for errors in the pdrLoader logs. Unsubscribe from any Legacy or deprecated files to stop them being delivered to your Participant File Share ID folders.	Data Model Changes menu in the Data Subscription web portal application	For more information, refer to Data Subscription.