

Guide to Demand Side Participation Information Portal

3 March 2021

How to submit DSP information

Version 1.03

Important notice

PURPOSE

AEMO has prepared this document to provide guidance on the use of the Demand Side Participation Information Portal, as at the date of publication.

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VERSION HISTORY

Version	Date	Changes
1.00	March 2018	Published for the Demand Side Participation Information Portal (DSPIP) project.
1.01	March 2019	Updated hyperlinks and DSPIP interface screenshots.
1.02	March 2020	Updated DSPIP Interface screenshots, hyperlinks and described added functionality.
1.03	March 2021	Updated DSPIP Interface screenshots, hyperlinks and described added functionality.

FURTHER INFORMATION

For further information, please visit <u>www.aemo.com.au</u> or contact AEMO's Support Hub: Phone: 1300 AEMO 00 (1300 236 600), Email: <u>supporthub@aemo.com.au</u>

FEEDBACK

To suggest corrections or improvements to this document, please contact AEMO's Support Hub.

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Contents

Gloss	ary	4
1.	Overview	5
1.1	Purpose	5
1.2	Audience	5
1.3	Changes from previous years	5
1.4	Demand Side Participation obligations	5
1.5	What's in this guide	5
1.6	How to use this guide	5
2.	Participant connection requirements	6
2.1	MarketNet connection	6
2.2	User rights access	6
2.3	System requirements	6
3.	Organising DSP data in DSP groups	7
4.	Using the DSPIP	8
4.1	Access the DSPIP	8
4.2	DSPIP landing page	9
4.3	Create a new DSP submission	10
4.4	Enter or upload DSP information for a single program	11
4.5	Bulk-uploading multiple DSP programs	17
4.6	Adding future programs, future changes to existing programs, and alert list information	21
4.7	Add Contact Information	26
4.8	Submit a null submission	27
4.9	Submit a DSP submission	27
4.10	Recalling a submitted submission	27
5.	Needing help	29
5.1	Related resources	29
5.2	AEMO's Support Hub	29
A1.	Change log	31

Glossary

Abbreviation	Term/explanation
AEMO	Australian Energy Market Operator
AEST	Australian Eastern Standard Time
CSV	Comma-separated values; a file format for exchanging data.
DSPIP	Demand Side Participation Information Portal
EMMS	Wholesale Electricity Market Management System; software, hardware, network, and related processes.
LAN	Local area network
MarketNet	AEMO's private network available to participants having a participant ID.
MSATS	Retail Market Settlement and Transfer Solution
NEM	National Electricity Market
NER	National Electricity Rules
NMI	[electricity] National Metering Identifier
PA	Participant Administrator; manages participant organisations user access and security.
Participant ID	Registered participant identifier
Production	Live environment, actively reflecting the currently available data.
UI	User interface
VPN	Virtual Private Network
ZIP	The file compression format used for downloading CSV template files.

1. Overview

1.1 Purpose

This guide provides instructions for using the Demand Side Participation Information Portal (DSPIP) in the AEMO Markets Portal.

The DSPIP is a National Electricity Rules (NER) mechanism for AEMO to collect DSP information from participants that informs AEMO electricity load forecasts. It consists of a series of self-service web forms for users to provide DSP information.

1.2 Audience

This guide is for all NEM participants to understand how to submit DSP information in accordance with the Demand Side Participation Information Guidelines¹. The secondary audience is Participant Administrators wanting to know the user rights management (URM) entity to create and manage participant users.

1.3 Changes from previous years

Based on the latest DSPI consultation², some changes have been made to the information required from participants. Please see the change log in Appendix A1 for further details.

1.4 Demand Side Participation obligations

All NEM registered participants must submit DSP information in accordance with NER Clause 3.7D and the DSP Information Guidelines. Please note:

- Organisations that represent multiple registered participants must make a DSP submission for each registered participant that they represent.
- Registered participants that do not have any DSP data to submit, must still make a submission. This is an empty submission (also called a null submission see Section 4.8).

1.5 What's in this guide

- Section 2 provides information on accessing the DSPIP.
- Section 3 describes the concept of organising DSP information into DSP Groups.
- Section 4 explains how to access and submit information in the DSPIP.
- Section 5 provides information about contacting AEMO's Support Hub.

1.6 How to use this guide

- This document should be read in conjunction with <u>the CSV user guide</u> if participants are intending to upload CSVs.
- This document is written in plain language for easy reading. Where there is a discrepancy between the NER and information or a term in this document, the NER take precedence.
- Yellow boxes are used to highlight important information.

¹ At <u>https://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Planning-and-forecasting/Demand-Side-Participation-Information-Guidelines.</u> ² See <u>https://aemo.com.au/en/consultations/current-and-closed-consultations/dspi-guidelines</u>.

2. Participant connection requirements

2.1 MarketNet connection

The DSPIP is accessed through the AEMO data network connection called MarketNet. Access to MarketNet, including creation of accounts and login credentials, is provided to participant users by the Participant Administrator (PA) within each business.

For any queries, please contact AEMO Support Hub on 1300 236 600 or supporthub@aemo.com.au.

2.2 User rights access

Each NEM participant has at least one PA nominated for MarketNet. The PA can add participant users and assign rights in the Retail Market Settlement and Transfer Solution (MSATS) system.

User rights access is maintained in MSATS under MSATS >Administration>Maintain Rights. The entity required for access is Forecasting & Planning – Demand Side Participation.

MMS FORECASTING_DSP Forecasting & Planning - Demand Side Participation Interactive

For more information about MSATS, see the Guide to User Rights Management³.

The PA can provide access in MSATS. If users do not have an account, or do not have access to the DSPIP, they should contact their PA. If unsure who the PA is, please contact AEMO Support Hub on 1300 AEMO 00 (1300 236 600) or supporthub@aemo.com.au.

2.3 System requirements

The DSPIP is accessed using a web browser and is located on AEMO's network <u>https://portal.prod.nemnet.net.au</u>.

AEMO recommends the following system requirements:

- A current version of Google Chrome or Microsoft Internet Explorer.
- A monitor capable of 1024 x 768 screen resolution.

³At http://www.aemo.com.au/-/media/Files/Electricity/NEM/Retail and Metering/Metering-Procedures/2016/Guide to User Rights Management.pdf.

3. Organising DSP data in DSP groups

The DSPIP uses the concept of a DSP Group to simplify the DSP submission process. A particular program or connection can come under one of the categories listed in Table 1.

Table 1DSP categories

DSP type	Explanation
Market exposed connections	Covers connections exposed to spot price, either directly or via pass-through contracts. This includes loads responding under the WDR rules ^A and any connections that are only spot price exposed during specific events.
Connections on fixed time-of-use tariffs	Includes connections exposed to fixed time-of-use pricing, including day/night tariffs.
Connections on dynamic event tariffs	Connections which are subject to dynamic tariffs, which cost price consumption and/or connection differently for specific periods during the year. These periods are dynamically determined by the program operator and could relate to local or regional demand at the time.
Directly controlled connections (fixed schedule)	Connections directly controlled based on a set schedule for the year, irrespective of actual demand and/or spot prices at the time. This includes control of hot water load.
Directly controlled connections (dynamic operation)	Connections directly controlled (or manually instructed) based on actual or forecast system conditions and/or price. This includes aggregated response of battery storage systems as a virtual power plant (VPP) and reduction in air-conditioner load or controlled electric vehicle charging on extreme demand days.
Not elsewhere classified	This category allows for special cases that don't obviously fit into the above categories. Entries in this category will be reviewed by AEMO and reclassified into the above if possible.

A. Available at https://www.aemc.gov.au/rule-changes/wholesale-demand-response-mechanism.

For more information, refer to Appendix A of the Demand Side Participation Information Guidelines⁴.

Additionally, participants are to submit the National Metering Identifiers (NMIs) associated with each DSP Group (Section 1 data) and program level information (Section 2) per DSP Group where required by the guidelines.

Any number of DSP Groups can be created for a DSP submission. Groups are required to be grouped by NEM region, so if a group operates across regions, multiple groups need to be created per region.

Participants should also submit any future programs or future changes to existing programs.

⁴ At <u>https://www.aemo.com.au/-/media/Files/Stakeholder_Consultation/Consultations/Electricity_Consultations/2017/DSPIG/Demand-Side-Participation-Information-Guidelines.pdf.</u>

4. Using the DSPIP

The DSPIP offers several methods to submit DSP information:

- Manually entering information through the web interface forms for each individual program.
- Uploading CSV files in the DSPIP for a single program
- Bulk-uploading CSV files for multiple DSP programs.
- Any combination of manually entering information and uploading CSV files.

Participants also have the option to download the data for complete submission as a ZIP file containing CSV files. This can be done even if data has been entered manually in the DSPIP.

Participants intending to upload data using CSV files should see AEMO's Guide to Demand Side Participation CSV files5 for information about CSV file structure and requirements.

The following sections explain how to submit DSP information in the DSPIP. Each Participant should consider the most appropriate path for its situation, whether Participants have DSP information to submit or not.



Figure 1 Flowchart for submitting DSP information in the DSPIP

4.1 Access the DSPIP

To access the DSPIP:

- 1. Establish an AEMO VPN remote access connection. For more details, see Section 2.1.
- 2. Enter the AEMO Markets Portal URL in the web browser:
 - https://portal.prod.nemnet.net.au.
- 3. Log in using user ID and password.

⁵ At <u>https://www.aemo.com.au/-/media/Files/Electricity/NEM/Planning_and_Forecasting/DSP/Guide-to-Demand-Side-Participation-CSV-files.pdf</u>.

Received of the contract of th

4. On the left navigation pane, click Forecasting and Planning > Demand Side Participation.

The DSPIP landing page is displayed and described in the following section.

AEMO Markets Portal	
× Menu ☆ Favourites	
Home	
EMMS +	
Gas Supply Hub +	
Forecasting and Planning –	
Demand Side Participation	

If the 'Demand Side Participation' link is not visible in the left navigation pane, contact the PA for access. For more information, see Section 2.2.

4.2 DSPIP landing page

The DSPIP landing page is illustrated and described below. If no submission has been made, there will be no record present and only the option to create a new submission. Edit, Download and Delete buttons are only present when a submission is present either in draft or submitted status.

My Submissions

New Submission	1 3	4	5	Y All
Ref# 🗘 🔰	Participant 🚔	Last Updated 🌲	Status 🚔	678
8		13/12/2017 17:27:28	Draft	<u>2</u> <u>1</u>

#	Field / Button	Description
1	New Submission	Button to create a new submission
2	#Ref	Submission reference number
3	Participant	Participant ID
4	Last Updated	Date and time stamp when the submission was edited
5	Status	Submission status
6	Edit button	Edit a saved draft of a submission
7	Download button	Download a copy of the submission
8	Delete	Delete a draft submission

If a submission has already been made, it can be recalled as seen below. This will revert the submission back into draft status to be either modified or deleted.

My Submissions

New	Submission				THA Y
	Ref# 🌲	Participant 🌲	Last Updated 🌲	Status 🖕	
	22	NEM/MCO	17/03/2020 10:08:06	 Submitted 	⊥ ≎ ①
					×
#	Field / But	ton	Description		
1	Recall Submission		Recall a submission with status of "Subr	nitted"	

Please note: Submissions can only be recalled during the submission period.

4.3 Create a new DSP submission

To create a new DSP submission:

5. In the main pane, click New Submission.

My Submissions					Y All
Ref# 🌲	Participant 👙	Date Posted 🚖	Last Updated 🍦	Status 🚔	

6. A pop-up window will appear. Select the Participant ID from the drop-down field and click Create. Permission must have been granted for a Participant ID to be viewed and selected.

New Submission	
Participant ID :	\checkmark
	Create Cancel

The DSPIP only allows one submission per participant during a submission period. If users have created a draft submission and need to start again, they need to delete the existing submission and then create a new submission.

Please note if a submission has been submitted, a new submission cannot be created unless the submission is recalled into draft status, when it can be edited or deleted if still within the submission period.

4.4 Enter or upload DSP information for a single program

If there is no DSP data to submit, skip this process and go to Submit the DSP submission.

Once a submission is created, the process to submit DSP information includes:

- 1. Creating DSP groups DSP groups relevant to the DSP portfolio can be created one at a time. For bulk-uploading multiple programs, see Section 4.5. For more information, see Section 3.
- 2. Manually entering data for each DSP group created or uploading CSV files.
- 3. Adding information regarding future programs, future changes to existing programs, and alerts lists.

4.4.1 Creating DSP Groups manually

For each DSP group created, users must only add the data relevant to that DSP group.

1. In the DSP Groups, click +.

Edit (C	n 1526	Add Future DSP Programs	Alerts lists
DSP Groups	+	Add Contact Information	Add changes to a program
		① Add DSP group or submit if you have	ve no DSP data.

2. Ensure "Create/Upload Single Group" is selected in the drop down. Select the appropriate Region and Category and enter a name for the DSP Group. Also choose if the DSP Program will operate as Wholesale Demand Response (WDR), be a Qualifying Contract under the Retail Reliability Obligation (RRO), or neither.

New DSP Group(s)			×
	Create/Upload Single Group		~
* Region	VIC		~
* Category	Connections on fixed time-of-use tariffs		~
* Name or Upload			
	亡 Upload Program Level Details	Download Empty Template	Download Example
	Use the upload button to upload your data. An	example file and an empty template is al	so available to download. * indicates required field
* Will the Demand Respon under the Re	DSP Program operate as Wholesale se (WDR), be a Qualifying contract etail Reliability Obligation (RRO) or neither.	○ wdr ○ rro ◉ n/a	Create Cancel

Alternatively, users may upload the program level information instead of inputting a name via a CSV file. In this case, the name of the new group will be determined by the CSV. This can be done using the "Upload Program Level Details" button. See Section 4.4.4.

3. Click Create to see the new DSP Group and add the data relevant to that group.

DSP Groups	+		Add Contact Information	Add changes to	a program			
DSP Program 1		Section 1 < DSP G	roup DSP Program 1 - Connection	s on fixed time-of-us	e tariffs 💿			
tariffs VIC WDR/RRO: N/A				NMI List (?)				
					⊥ Upload NMI	Download CSV	Download Example	
		fields as rec > Basic I	uired. Please refer to the Guidelin	es for further informa	tion.			
		> DSP Ty	/pe					

Saving a draft submission may not be possible until some required data is entered, depending on the DSP program category selected. Enter the required fields in Section 2 as per the error message received. See below for an example where "Demand Status" is required before a submission can be saved or submitted.

5	Oemand status in Basic Information for the Alerts lists program - Test Group 1 is a required field. Save		
	Ac d changes to a program failed.		
For I	more information about what data is compulsory per DSP category, ple Guidelines ⁶ .	ase see Table 3 d	of the

4.4.2 Add NMIs to a single DSP Program

- 1. Click on the DSP group in the left panel to select it.
- 2. NMIs can be entered manually into the textbox under Section 1 or can be uploaded via the "Upload NMI" button.

dit (22)CC subr	nissio	n 1526	Add Future DSP Programs	Alerts lists				
DSP Groups	+	Section 1	Add Contact Information	Add changes t	o a program			
DSP Program 1 Connections on fixed time-of-use		< DSP Gr	oup DSP Program 1 - Connection:	s on fixed time-of-u	se tariffs 💿			
tariffs VIC WDR/RRO: N/A	Î			NMI List ⊘				
		Section 2 The Demand fields as req > Basic Ir	I Side Participation Information G uired. Please refer to the Guideline nformation	uidelines require Re es for further inform	gistered Participants ation.	to provide additional i	nformation ('Section 2' inf	ormation) for connectior
		> DSP Ty	pe					
		> Price E	rnosure					

⁶ At <u>https://aemo.com.au/-/media/files/stakeholder_consultation/consultations/nem-consultations/2020/dspi/demand-side-participation-information-guidelines-dec-20.pdf?la=en.</u>

An example CSV can be downloaded via the "Download Example" button, or an empty template via the "Download CSV" button.

3. If uploading NMIs via a CSV, click "Upload NMI" and choose the file to upload. Click Open to upload the

fil	e.								
4	🟮 Open							×	
m	\leftarrow \rightarrow \checkmark \uparrow \square \rightarrow This PC \rightarrow	Downloads > dsp files > NEMDSP_BULK_EXAMP	LES			ٽ ~		P_BULK_EXA	
-	Organize 👻 New folder						Ē	• 🔳 🕜	
o er	Quick access Documents Documents Documods Pictures NEMDSP_BULK_EXAMPLES NEMDSP_BULK_EXAMPLES OneDrive - Australian Energy N OneDrive - Australian Energy N This PC Network	Name	Date modified 27/10/2020 7:38 PM 8/02/2021 6:49 PM 27/10/2020 7:05 PM	Type Microsoft Excel C Microsoft Excel C Microsoft Excel C	Size 1 K8 2 KB 1 KB				18
	File name: NE	EMDSP_BULK_NMLEXAMPLE				~	All Files Open	✓ Cancel	

The participant reference field is an optional field to link CSV files for Participants' purposes. The program name can be used as the participant reference column.

B7	• • • × •	<i>f</i> _x 1513	467597
	А	В	с
1	PARTICIPANT_REFERENCE	NMI	
2	DSP Program 1	1168137472	
3	DSP Program 1	1150529767	
4	DSP Program 1	1644084387	
5	DSP Program 1	1929731301	
6	DSP Program 1	1796190772	
7	DSP Program 1	1513467597	
8	DSP Program 1	1992516083	
9	DSP Program 1	1598422518	
10	DSP Program 1	1945615941	
11	DSP Program 1	1410792177	
12	DSP Program 1	1256032544	
13	DSP Program 1	1836827465	
14	DSP Program 1	1490400113	
15	DSP Program 1	1812717166	
16	DSP Program 1	1284282589	
17	DSP Program 1	1948868327	
18	DSP Program 1	1035029221	

Large CSV files may take some time to upload depending on the internet connection. For files with more than 100K NMIs it is suggested to upload multiple files of 100K each to avoid any upload errors.

4. The NMIs should be visible in the textbox as seen below. Please note, only the first 100 NMIs are shown in the text box. To download a CSV of the first 100 NMIs, click "Download CSV".

Edit hanna 20 sub	missio	n 1526	Add Future DSP Programs	Alerts lists							Save Draft	Submit	Back
DSP Groups	+	Section 1	Add Contact Information	Add changes to	o a program							Last saved: 22/02/2021	14:25:10
DSP Program 1 Connections on fixed time-of-use		< DSP G	roup DSP Program 1 - Connections	on fixed time-of-u	se tariffs								
tariffs VIC WDR/RRD: N/A	8			NMI List 🛞	1000008075,10000	17812,1000041173,10000	56619,1000061857,1000066068	1,1000078799,1000115735,1000117	488,1000117705,1000119027,10001	127509,1000129290,1000131	805,1000142782,1	000159790,100	101619
					⊥ Upload NM	Download CSV	Download Example						
		Section 2 The Deman fields as req > Basic Ir	d Side Participation Information Gu uired. Please refer to the Guideline nformation	idelines require Reg s for further inform	gistered Participant ation.	s to provide additional i	nformation ('Section 2' info	rmation) for connections and p	rograms with a potential DSP re	esponse greater than 1 M	W. This data is e	ntered in the	below

To remove NMIs from a Program, or verify all the NMIs that have been uploaded, it is suggested to delete the DSP program and re-upload the NMIs after verifying them offline before uploading again.

4.4.3 Enter Program Level Details manually

Section 2 of the DSPIP is for Program Level Details. This can be entered manually by clicking each section to expand it.

There are five sub-sections;

- 1. Basic Information
- 2. DSP Type
- 3. Price Exposure
- 4. Response Control
- 5. Storage.

Some fields are compulsory, based on which DSP category has been selected. This is detailed in Table 3 of the DSP Guidelines⁷.

4.4.4 Creating a DSP group via CSV upload

CSV templates can be downloaded from the AEMO website⁸ or using the "Download CSV" buttons within each relevant portal section and used to populate NMIs, historical event data, and Program Level details associated with a program or connection.

To create a DSP group via CSV upload:

1. Create a new DSP Group by clicking +.

Edit (CL	ion 1526	Add Future DSP Programs	Alerts lists
DSP Groups	+	Add Contact Information	Add changes to a program
		① Add DSP group or submit if you ha	ave no DSP data.

⁷ At <u>https://aemo.com.au/-/media/files/stakeholder_consultation/consultations/nem-consultations/2020/dspi/demand-side-participation-information-guidelines-dec-20.pdf?la=en.</u>

⁸ At <u>https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/scenarios-inputs-assumptionsmethodologies-and-guidelines/forecasting-and-planning-guidelines/demand-side-participation-information-guidelines.</u>

- 2. Ensure "Create/Upload Single Group" is selected in the drop down.
- 3. Select the appropriate Region and Category. Also choose if the DSP Program will operate as Wholesale Demand Response (WDR), be a Qualifying Contract under the Retail Reliability Obligation (RRO), or neither.
- 4. The Name field is not required, as this will be populated via the CSV.

New DSP Group(s)				×
	Create/Upload Single Group			~
* Region	NSW			~
* Category	Market exposed connections			~
* Name or Upload				
	⊥ Upload Program Level Details	Download Empty Template	Download	Example
	Use the upload button to upload your data. An	example file and an empty template is al	so available to do * indicates n	wnload. equired field
* Will the D	SP Program operate as Wholesale	0	Create	Cancel
Demand Respon under the Re	se (עיטא), be a Qualifying contract atail Reliability Obligation (RRO) or neither.	∪ wdr ∪ rro 🤍 n/A		

- 5. Click "Upload Program Level Details"
- 6. A dialog box will appear. Select the file and click Open.

· 🛧 📙	> This	PC > Documents > NEMDSP_CSV_Templates	ٽ ~	Search NEMDSP_CS	/_Templa	م
Organize 👻 Nev	v folder				•	•
Common	^	Name	Date modified	Туре	Size	
DSP CSV guide	£	B NEMDSP_HISTORICAL_ENERGYCO_BATTERIES_20170503131500.CSV	14/11/2017 4:40 PM	Microsoft Excel C	1	KB
DSPIP		B NEMDSP_METADATA_ENERGYCO_BATTERIES_20170503131500.CSV	15/11/2017 2:55 PM	Microsoft Excel C	1	KB
 OneDrive OneDrive - Aust Attachments This PC 	ra V					
	File na	me: NEMDSP_METADATA_ENERGYCO_BATTERIES_20170503131500.CSV	→ All Fil	es Open 🔻	Cancel	~

- 7. Click Create, and the information in the CSV file is populated in the fields.
- 8. To verify all the programs and details submitted, navigate back to the New DSP group(s) screen, change the drop down to "Upload Multiple Groups", and click "Verify Program Level Details", which will download a CSV with all the programs and their associated program details.
- 9. Add NMIs to the program by following the steps in Section 4.4.2.

4.4.5 Add Historical Events to a program

1. To upload historical events via a CSV file, under Section 2 > Basic Information > Historic tab, click Upload Historical. Download a template by selecting "Download CSV" or an example CSV by choosing "Download Example".

Section 2
The Demand Side Participation Information Guidelines require Registered Participants to
provide additional information ('Section 2' information) for connections and programs with a
potential DSP response greater than 1 MW. This data is entered in the below fields as
required. Please refer to the Guidelines for further information.
< Basic Information

Meter Configuration (?)	Select option or type your ow	n as required	▼
Potential Response (MW)			✓ N/A
Monitoring and Activatior	Select option(s) or type your	own as required	▼
Seasonality 🥐			
Temperature restrictions (
Expiry date 🕐	Select Date		
Historical events	⊥ Upload Historical	Download CSV	
	Download Example		

2. A dialog box will appear. Select the file and click Open. The information will be stored within that DSP Program but does not appear in the user interface (UI). To verify what data has been uploaded, click "Download CSV"..

→ • • •	> Thi	s PC > Documents > NEMDSP_CSV_Templates	ٽ ~	Search NEMDSP_CS	V_Templa 🔎
ganize 👻 Nev	v folde	r			- 🔳 🌔
This PC	^	Name	Date modified	Туре	Size
Desktop		NEMDSP_HISTORICAL_ENERGYCO_BATTERIES_20170503131500.CSV	14/11/2017 4:40 PM	Microsoft Excel C	1 KB
Documents		NEMDSP_METADATA_ENERGYCO_BATTERIES_20170503131500.CSV	15/11/2017 2:55 PM	Microsoft Excel C	1 KB
Downloads Downloads Music Pictures Videos CSDisk (C:)	ļ	B NEMDSP_NMI_ENERGYCO_BATTERIES_20170503131500.CSV	14/11/2017 4:36 PM	Microsoft Excel C	1 KB
👳 DChan (\\aem	io. Y				
	File na	me: NEMDSP_HISTORICAL_ENERGYCO_BATTERIES_20170503131500.CSV	~ All Fil	es Open 🔻	∨ Cancel

Please note, following the upload of the CSV file the success or failure message will appear on the screen only momentarily. There is currently no indication that the historical events have been uploaded on the UI, so Participants should verify what events have been uploaded by clicking "Download CSV".

To remove the historical events, delete the DSP program and create it again.

3. Click Save Draft to save changes. The submission can be edited at any time.

4.5 Bulk-uploading multiple DSP programs

4.5.1 Create multiple DSP groups via CSV upload

1. Click the + to open the new DSP Groups screen.

Edit (CL) submission 1526	Add Future DSP Programs	Alerts lists
DSP Groups +	Add Contact Information	Add changes to a program
	 Add DSP group or submit if you have 	ive no DSP data.

2. Change the dropdown to "Upload Multiple Groups".

New DSP Group(s)		×
Uplo	oad Multiple Groups	~
∴ Upload Bulk Program Level Det	tails ① Upload Bulk Program NMI's	∴ Upload Bulk Program Historical Events
Verify Program Level Details	Verify NMI's	Verify Historical Events
Download Example CSV's		
Download Empty Template		

3. Upload a CSV containing all the DSP programs and their associated program level details by clicking "Upload Bulk Program Details". Download example CSVs and empty templates by clicking "Download Example CSVs" and "Download Empty Template" respectively.

	C Open								\times
Organize* New folde * Quick access Documents Documentals Documentals Pictures NEMDSP_BULK_EXAMPLES Pictures This PC This PC This PC Network Network Network This PC Network This PC Network Net	\leftarrow \rightarrow \checkmark \uparrow 📜 \Rightarrow This PC \Rightarrow C	Downloads > dsp files > NEMDSP_BULK_EXAM	PLES			ٽ ~	🔎 Search NEM	IDSP_BULK_E	KAM
Mame Date modified Type Stac Documents Downloads Pictures NEMDSP_BULK_EXAMPLE 27/10/2020 7:05 PM Microsoft Excel Co 1 KB NeMDSP_BULK_EXAMPLE 27/10/2020 7:05 PM Microsoft Excel Co 1 KB NemDSP_BULK_EXAMPLE NemDSP_BULK_EXAMPLE 27/10/2020 7:05 PM Microsoft Excel Co 1 KB NemDSP_BULK_EXAMPLE Pictures NemDSP_BULK_EXAMPLE 27/10/2020 7:05 PM Microsoft Excel Co 1 KB Network Network	Organize - New folder						1	•	0
File name: NEMDSP BULK METADATA EXAMPLE V All Files V		Name Name NemDSP_BULK_HISTORICAL_EXAMPLE NemDSP_BULK_NMI_EXAMPLE NemDSP_BULK_NMI_EXAMPLE	Date modified 27/10/2020 7:38 PM 8/02/2021 6:49 PM 27/10/2020 7:05 PM	Type Microsoft Excel Co Microsoft Excel Co Microsoft Excel Co	Size 1 K8 2 K6 1 K8				
	File name: NEM	DSP_BULK_METADATA_EXAMPLE				~	All Files		~

4. "Open", which should create the DSP groups and return users to the main screen.

Edit NEMMC	O subm	nission 1526	Add Future DSP P	rograms Ale	erts lists		Save Draft	Submit	Back
DSP Groups	+	Section 1	Add Contact Infor	rmation Ac	d changes to a progr	am		Last saved: 22/02/2021	17:48:00
Surrey Hills		< DSP Group St	urrey Hills - Market expo	osed connections	D				
connections NSW WDR/RRO: WDR			NMI List (?)						
NSW Market exposed connections NSW WDR/RRO: RRO	Î	Section 2		.₫. Upload NM	I Download CSV	Download Example			
Melbourne Connections on fixed t of-use tariffs VIC WDR/RRO: N/A	time-	The Demand Side and programs with information. ^{<} Basic Informa	Participation Informatio a potential DSP respon tion	n Guidelines requi ise greater than 1	re Registered Participar MW. This data is entere	nts to provide additional information ed in the below fields as required. Ple	('Section 2' informat ase refer to the Guid	tion) for conne lelines for furtl	ctions her
			Meter Configuration ⑦	Net load					*

5. Verify all the programs and details submitted by navigating back to the New DSP group(s) screen, changing the drop down to "Upload Multiple Groups", and clicking "Verify Program Level Details", which will download a CSV with all the programs and their associated program details.

New DSP Group(s)		×
Upload Mult	iple Groups	~
⊥ Upload Bulk Program Level Details	1. Upload Bulk Program NMI's	▲ Upload Bulk Program Historical Events
Verify Program Level Details	Verify NMI's	Verify Historical Events
Download Example CSV's Download Empty Template		

4.5.2 Add NMIs to multiple DSP Programs via bulk upload

NMIs can be added to a DSP program individually, as outlined in Section 4.4.2, or they can be uploaded in bulk for multiple DSP programs.

To upload bulk NMIs:

1. Click the + to open the new DSP Groups screen.

DSP Groups + Add Contact Information Add changes to a program Add DSP group or submit if you have no DSP data.	Edit (C) submission 1526	Add Future DSP Programs	Alerts lists	
Add DSP group or submit if you have no DSP data.	DSP Groups +	Add Contact Information	Add changes	s to a program
		 Add DSP group or submit if you hat 	ve no DSP data.	

2. Click "Upload Bulk Program NMIs".

New DSP Group(s)		×
Uploa	id Multiple Groups	~
∴ Upload Bulk Program Level Deta	ils Upload Bulk Program NMI's	1 Upload Bulk Program Historical Events
Verify Program Level Details	Verify NMI's	Verify Historical Events
Download Example CSV's Download Empty Template		

Download example CSVs and empty templates by clicking "Download Example CSVs" and "Download Empty Template" respectively.

3. Select the file and click "Open".

💿 Open					×
$\leftarrow \rightarrow$ \checkmark \uparrow] > This PC > De	ownloads > dsp files > NEMDSP_BULK_EXAMP	PLES			✓ U Search NEMDSP_BULK_EXAM
Organize • New folder					E • 🔳 💡
 Cuick access Documents Downloads Pictures NEMDSP_BULK_EXAMPLES NEMDSP_BULK_EXAMPLES NEMDSP_BULK_EXAMPLES This PC Network 	Name Name NemDSP_BULK_HISTORICAL_EXAMPLE NemDSP_BULK_NMI_EXAMPLE NemDSP_BULK_NMI_EXAMPLE	Date modified 27/10/2020 7:38 PM 8/02/2021 6:49 PM 27/10/2020 7:05 PM	Type Microsoft Excel Co Microsoft Excel Co Microsoft Excel Co	Size 1 KB 2 KB 1 KB	
File name: NEME	DSP_BULK_NMI_EXAMPLE				✓ All Files ✓

4. A message should say the upload was successful.

omi	ssion 1526	Add Future	1	Successfully uploaded NMI NEMDSP_BULK_NMI_EXAMPI	list LE.csv		Save	Draft
		Add Contac	t Informati	ion Add changes to a p	orogram			
	New DSP Group(s)						×	
		Uplo	oad Multiple (Groups			~	
	土 Upload Bulk Prog	gram Level Det	ails 1	L Upload Bulk Program NM	l'sUploa	ad Bulk Program I	Historical Events	
	Verify Program Leve	el Details		Verify NMI's	Verify H	listorical Events		
	Download Example CSV Download Empty Temp	<u>"s</u> late						nform he Gu

Large CSV files may take some time to upload, depending on the internet connection. For files with more than 100K NMIs, it is suggested to follow Section 4.4.2 to upload multiple files of 100K NMIs each to a single program at a time to avoid any upload errors.

5. The NMIs should be visible in the text box, as seen below. Please note, only the first 100 NMIs are shown in the text box. To verify the first 100 NMIs per program, click "Verify NMIs" in the new DSP Group(s) screen or "Download CSV" for an individual program. Only the first 100 NMIs per program will be listed.

lit NL	subm	ission 1526	Add Future DSP P	rograms Ale	rts lists		Save Draft	Submit	Bac
SP Groups	+		Add Contact Infor	mation Ad	d changes to a progr	am			
or oroups	Ŧ	Section 1							
Surrey Hills Market exposed		< DSP Group Sur	rey Hills - Market expo	osed connections @)				
onnections NSW VDR/RRO: WDR			NMI List (?)	1013119601,112692	7801,1298870401,13435	74201,1641416401,1752533001,19624	474001		
NSW					Download CSV	Download Example			
Aarket exposed onnections ISW	1								
VDR/RRO: RRO		Section 2							
Aelbourne onnections on fixed tin	ne-	The Demand Side Pa and programs with	articipation Informatio a potential DSP respor	n Guidelines requii Ise greater than 1 l	e Registered Participar AW. This data is entere	nts to provide additional informat ed in the below fields as required.	ion ('Section 2' informati Please refer to the Guid	on) for conne elines for furt	ections her
f-use tariffs	1	information.		5					
VDR/RRO: N/A		< Basic Informati	on						

To remove NMIs from a Program, or verify the NMIs that have been uploaded, delete the DSP programs and re-upload the NMIs after verifying them before uploading again.

4.5.3 Add Historical Events to multiple DSP programs via bulk upload

Historical events can be added to a DSP program individually, as outlined in Section 4.4.5, o4.4.2r can be uploaded in bulk for multiple DSP programs.

To upload bulk events:

1. Click the + to open the new DSP Groups screen.

Edit (CL) submission	n 1526	Add Future DSP Programs	Alerts lists
DSP Groups	+	Add Contact Information	Add changes to a program
		 Add DSP group or submit if you have 	ve no DSP data.

2. Click "Upload Bulk Program Historical Events".

New DSP Group(s)						×
	Upload Multi	ple Groups				~
∴ Upload Bulk Program Leve	el Details	⊥ Upload Bulk	Program NMI's	Ţ	Upload Bulk Program H	Historical Events
Verify Program Level Details		Verify NMI's		V	erify Historical Events	
Download Example CSV's Download Empty Template						

3. Select the file and click "Open".

Open							×
$\leftarrow \rightarrow \ \ \uparrow \ \blacksquare$ > This PC > Do	wnloads > dsp files > NEMDSP_BULK_EXAMP	PLES			ٽ ~	,P Search NEMD	SP_BULK_EXAM
Organize • New folder							• 🔳 📀
Quick access Documents Downloads Pictures NEMDSP_BULK_EXAMPLES NEMDSP_BULK_EXAMPLES Ormadiate M This PC Network	Name Name Name NamosP,Bulk,HISTORICAL,EXAMPLE NemOSP,BULK,METADATA,EXAMPLE NemOSP,Bulk,NMI,EXAMPLE	Date modified 27/10/2020 7:38 PM 8/02/2021 6:49 PM 27/10/2020 7:05 PM	Type Microsoft Excel Co Microsoft Excel Co	Size 1 KB 2 K8 1 KB			
File name:					~	All Files Open	~ Cancel

4. A message should say the upload was successful.

mission 1526	(1) Add Future	Successfully uploaded NEMDSP_BULK_HISTORICAL_EXAN	MPLE.csv	Save Dr
	Add Contact Infor	mation Add changes to a p	rogram	
New DSP Group(s)				×
	Upload Mult	iple Groups		~
土 Upload Bulk Pro	gram Level Details	ৣ Upload Bulk Program NMI	s ① Upload Bulk Program H	listorical Events
Verify Program Lev	el Details	Verify NMI's	Verify Historical Events	
Download Example CSV Download Empty Temp	<u>/'s</u> late			nfe

5. To verify the events that were uploaded, click "Verify Historical Events" on the New DSP group screen. This will download a CSV with all the events per DSP group.

4.6 Adding future programs, future changes to existing programs, and alert list information

The DSPIP contains fields to provide information for future programs, future changes to existing programs, and alerts lists.

4.6.1 Adding future programs

1. In the DSP submission, click Add Future DSP Programs.

	mssion	1520	Add Future DSP Programs	Alerts lists			
SP Groups	+		Add Contact Information	Add changes to	a program		
DSP Program 1 Connections on fixed time-of-use		Section 1 < DSP Gr	oup Surrey Hills - Market exposed	d connections 💿			
tariffs VIC WDR/RRO: N/A	Ē			NMI List ⊘			
Surrey Hills Market exposed connections NSW WDR/RRO: N/A	Ĥ				⊥ Upload NMI	Download CSV	Download Example
		Section 2 The Demand fields as req > Basic In	d Side Participation Information G uired. Please refer to the Guidelin nformation	uidelines require Reg es for further informa	istered Participants t ation.	to provide additional in	nformation ('Section 2' info
		> DSP Ty	pe				
		Deige Fr					

2. Click "Add Future Program".

	Future DSP Programs	\times
	Add Future Program	
3	. Fill in the fields as required.	
	Future DSP Programs	\times

* Name 🕐	Future Program 1
Description (?)	
* Region (?)	NSW
* Demand Status 🕐	● Increase ○ Decrease
* WDR/ RRO (?)	○ wdr ○ rro ● n/a
Expected Start Date (?)	Select Date
Maximum Response - Year1(MW) 🕥	
Maximum Response - Year2(MW) 🕥	
Maximum Response - Year3(MW) 🕥	
* Firm Response - Year1(MW) ③	5
Firm Response - Year2(MW) 🕥	
Firm Response - Year3(MW) ⑦	
	Save Cancel

3. Click Save to save changes.

4. The program now appears in the list, and users can edit or delete any existing programs or add another future program.

Future DSP Programs	5					\times
Add Future Program						
Name 🖕	Region 🖕	WdrOrRro 🌲	Description $\stackrel{\scriptscriptstyle \vartriangle}{=}$	DemandStatus 🚔		
Future Program 1	NSW	N/A		INCREASE	2	1
4				_		Þ
Showing 1 to 1 of 1 row	/S				~	→

4.6.2 Adding future changes to existing programs

1. Click "Add changes to a program".

dit (121	nission 152	6 Add Future DSP Programs	Alerts lists			
SP Groups	+	Add Contact Information	Add changes to	a program		
DSP Program 1 Connections on fixed time-of-use tariffs VIC	Sect	iion 1 DSP Group Surrey Hills - Market exposed	I connections () NMI List ()			
Surrey Hills Varket exposed connections ISW VOR/RRO: N/A	Ĥ			<u>t</u> , Upload NMI	Download CSV	Download Example
	Sect The field >	tion 2 Demand Side Participation Information Gi Is as required. Please refer to the Guidelini Basic (nformation	uidelines require Reg s for further informa	istered Participants t ation.	o provide additional i	nformation ('Section 2' inf
	>	DSP Type				
	>	Price Exposure				
	>	Response control				

2. Click "Add Future changes to an existing program".

Future Change to Existing DSP Programs

Future Change to Existing DSP Programs

3. Fill in the fields as required. Please note the Name must match an existing DSP program that has been created.

* Name (?)	DSP Program 1
Description ⑦	
* Region ⑦	NSW 🗸
* Demand Status (?)	● Increase ○ Decrease
* WDR/ RRO 🕥	○ wdr ○ rro ● n/a
Expected Start Date (?)	04/03/2021
Maximum Response - Year1(MW) ③	
Maximum Response - Year2(MW) 🧿	
Maximum Response - Year3(MW) 🧿	
* Firm Response - Year1(MW) ⊘	20
Firm Response - Year2(MW) 🧑	
Firm Response - Year3(MW) 🕥	
	Save Cancel

4. Click save. The program now appears in the list. Users can edit or delete any change to a program or add another future change to an existing program.

 \times

	Kegion =	WdrOrRro 🌲	Description	Demai	ndStatus 🌲	
DSP Program 1	NSW	N/A		INCRE	ASE	_
4						Þ
Showing 1 to 1 of 1 row	WS			-	÷	► →
Showing 1 to 1 of 1 row	WS				÷	→
Showing 1 to 1 of 1 row	ws ert Lists				¢	► →
 Showing 1 to 1 of 1 row Add Ale k "Alerts lists". 	^{ws} ert Lists				¢	► →
 Showing 1 to 1 of 1 row Add Ale ck "Alerts lists". 	ws ert Lists				¢	► →
Showing 1 to 1 of 1 rov Add Ale (* "Alerts lists".	ws ert Lists I bmission 22	Add future DSP in	nformation	Alerts lists	← Save	► → Draft Submit
Showing 1 to 1 of 1 row Add Ale K "Alerts lists". dit MELIRACO su DSP Groups	ws ert Lists Ibmission 22	Add future DSP in Section 1	nformation	Alerts lists	Cave I Last save	► ► ► ► ► ► ► ► ► ► ► ► ► ►
Add Ale Add Ale & "Alerts lists". SP Groups GR_10AN34	ws ert Lists Ibmission 22 +	Add future DSP in Section 1 < DSP Grou	nformation p GR_10AN3	Alerts lists 14 - Market expose	Save I Last save	► ► Draft Submit ed 17/03/2020 11:47:14
Showing 1 to 1 of 1 row Add Ale K "Alerts lists". dit NELGRACO su DSP Groups GR_10AN34 Market exposed connections	ws ert Lists Ibmission 22 +	Add future DSP in Section 1 C DSP Grou	nformation p GR_10AN3 MI List ⑦	Alerts lists	← Save I Last save	▶ → Draft Submit ed 17/03/2020 11:47:14
Showing 1 to 1 of 1 row A Add Ale K "Alerts lists". dit NELANCO su DSP Groups GR_10AN34 Market exposed connections	ws ert Lists Ibmission 22 +	2 Add future DSP in Section 1 C DSP Grou	nformation p GR_10AN3 MI List @	Alerts lists 4 - Market expose L Upload NMI Download Exami	← Save I Last save ed connections ③ Download CSV	► → Draft Submit ed 17/03/2020 11:47:14 /
Showing 1 to 1 of 1 row Add Ale Add Ale K "Alerts lists". dit NELINCO su DSP Groups GR_10AN34 Market exposed connections	ws ert Lists Ibmission 22 +	Add future DSP ir Section 1 CDSP Grou	nformation p GR_10AN3 MI List ()	Alerts lists 4 - Market expose t. Upload NMI Download Examp	← Save I Last save ed connections ③ Download CSV ple	▶ → Draft Submit ed 17/03/2020 11:47:14
Showing 1 to 1 of 1 row Add Ale Add Ale K "Alerts lists". dit MELINGO su DSP Groups GR_10AN34 Market exposed connections ter information i	ert Lists Ibmission 22	Add future DSP in Section 1 C DSP Grou	nformation p GR_10AN3 MI List ⑦	Alerts lists 4 - Market expose L Upload NMI Download Examp	← Save I Last save ed connections ③ Download CSV ole	► Submit Draft Submit ed 17/03/2020 11:47:14

3. Click Save to save changes.

Save

Cancel

For a description of the information fields and examples, refer to Appendix A in the <u>Demand Side</u> <u>Participation Information Guidelines</u>.

4.7 Add Contact Information

Before a submission can be submitted, two contacts need to be added.

1. Click "Add Contact Information"

dit N ^r ~CO subr	nissi	on 1526	Add Future DSP Programs	Alerts lists		
DSD Ground			Add Contact Information	Add changes t	to a program	
DSP Groups	+	Section 1				
DSP Program 1		< DSP Gro	oup Surrey Hills - Market exposed	connections 🔊		
Connections on fixed time-of-use tariffs	Ē					
VIC WDR/RRO: N/A				NMI List 곗		
Surrey Hills					⊥ Upload NMI	Dowr
Market exposed connections	Î					
WDR/RRO: N/A						
		Section 2				
		The Demand	Side Participation Information Gu	idelines require Re	gistered Participant	s to provid
		tields as requ	lired. Please refer to the Guideline	s for further inform	lation.	

2. Enter the required fields and hit "Save". This window can now be closed.

Contact 1 - Details	×
* Name	Contact 1
* Position	Regulatory Analyst
* Phone number	041111111
* Email	contact1@gmail.com
Contact 2 - Details	
* Name	Contact 2
* Position	Regulatory Manager
* Phone number	041222222
* Email	contact2@gmail.com
	Save Cancel

4.8 Submit a null submission

Participants that do not have any DSP information to provide must make an empty submission, also called a null submission. To make a null submission, Create a new DSP submission (se Section 4.3e, then Submit a DSP submission as shown below.

Even to make a Null submission, users are still required to enter two contacts. Please follow Section 4.7 to add two contacts before submitting below.

4.9 Submit a DSP submission

1. Once all the DSP information has been entered or uploaded, to submit a DSP submission, click Submit.

Subin	ssion 22	Add future DSP information	Alerts lists					Save Draft	Submit	Back
DSP Groups	+	Section 1 < DSP Group Surrey Hills	 Market exposed con 	nections ()			L	Last saved 18/03	/2020 16:45:5	55
Surrey Hills Market exposed connections			NMI List ③					_/	•	
				쇼 Upload NMI	Download CSV	Download Example				
		Casting 2								
		Section 2 The Demand Side Participatio response greater than 1 MW. Basic Information DSP Type	on Information Guideli . This data is entered ii	nes require Registere 1 the below fields as 1	d Participants to pro required. Please refe	vide additional information (Section 2' in r to the Guidelines for further information	formation) for connections a	and programs wi	th a potential	DSP
		Section 2 The Demand Side Participati response greater than 1 MW > Basic Information > DSP Type > Price Exposure	on Information Guideli This data is entered ii	nes require Registere the below fields as i	d Participants to pro required. Please refer	vide additional information ("Section 2" in to the Guidelines for further information	formation) for connections as	and programs wi	th a potential	DSP
		Section 4 The Demand Side Participati The Demand Side Participati response greater than 1 MW Basic Information Basic Information DSP Type Price Exposure Price Exposure Response control	on Information Guideli This data is entered i	nes require Registere the below fields as i	d Participants to pro required. Please refer	vide additional information (Section 2' in r to the Guidelines for further information	formation) for connections at	and programs wi	th a potential	DSP

2. A dialog box appears to confirm submission. Click Yes to finalise the submission.

Confirm

I have read and understood the 'Demand Side Participation Information Guid authorised to submit the information on behalf of my organisation, and cert submitted, and any further submissions, are true and correct, and meet the r Side Participation Information Guidelines'.	delines'. I declare th ify that the informa requirements of the	aat I am tion 'Demand
	Submit	Cancel

4.10 Recalling a submitted submission

1. To make changes or start over, users can recall a submission if it is still within the submission period.

New Submission				V All
Ref# 🚖	Participant 🌲	Last Updated 🍦	Status 🖕	
22		17/03/2020 10:08:06	 Submitted 	F \$ 0
Field / But	ton	Description		

1 Recall Submission Recall a submission with status of "Submitted"			
	1	Recall Submission	Recall a submission with status of "Submitted"

Hit the recall button seen above to recall the submission into draft status. This can then be modified or deleted if required.

Submissions can only edited if they are recalled within the submission window. This will revert it back into a draft for editing.

5. Needing help

5.1 Related resources

Document Name	Description	Link
Section 3.7D of the National Electricity Rules	Relates to Demand Side Participation Information, which provides the regulatory requirements for both participants and AEMO regarding Demand Side Participation Information.	The latest version of the national electricity rules are available on the Australian Energy Market Commission website, at <u>https://www.aemc.gov.au/regulation/energy-</u> <u>rules/national-electricity-rules/current</u>
Guide to User Rights Management	Information about managing a web portal account (accounts are created in MSATS).	http://www.aemo.com.au/-/media/Files/Electricity/NEM/ Retail and Metering/Metering- Procedures/2016/Guide to User Rights Management.pdf
Demand Side Participation Information Guidelines	This outlines participant obligations with respect to the timing, frequency, data format, submission method, and data requirements relating to the provision of DSP information.	https://www.aemo.com.au/Electricity/National-Electricity- Market-NEM/Planning-and-forecasting/Demand-Side- Participation-Information-Guidelines
Guide to Demand Side Participation CSV files	Explains the form and requirements of CSV files for participants intending to submit their DSP information using CSV files.	http://www.aemo.com.au/-/media/Files/Electricity/NEM/ Planning and Forecasting/DSP/Guide-to-Demand-Side- Participation-CSV-files.pdf
CSV template files	CSV templates to populate NMI, program level details, and historical data, and upload to the DSPIP.	http://www.aemo.com.au/-/media/Files/Electricity/NEM/ Planning and Forecasting/DSP/NEMDSP CSV Templates. zip
AEMO Consultation for DSP Information Guidelines	Information about Demand Side Participation Information Guidelines consultation.	https://www.aemo.com.au/Stakeholder-Consultation/ Consultations/NEM-Demand-Side-Participation- Information-Guidelines-Consultation

5.2 AEMO's Support Hub

5.2.1 Contacting AEMO's Support Hub

IT assistance is requested through one of the following methods:

- Phone: 1300 AEMO 00 (1300 236 600)
- Email: supporthub@aemo.com.au

AEMO recommends Participants call AEMO's Support Hub for all urgent issues.

Participant feedback is important and helps AEMO improve its services and products. To suggest improvements, please contact AEMO's Information and Support Hub.

5.2.2 Information to provide

Please provide the following information when requesting IT assistance from AEMO:

- User's name
- Organisation name

- Participant ID
- System or application name
- Environment: production or pre-production
- Problem description
- Screenshots.

A1. Change log

Change Number	Change Description
1	Potential Response field has been split into "Maximum potential response" and "Firm (or contracted) response". Firm Response applies to all categories except Connections on fixed time-of-use tariffs and market exposed connections. "Maximum potential response" is optional.
2	Added field to identify whether the DSP program is currently (or will be) in WDR OR, The DSP program is currently (or will be) a registered RRO Qualifying Contract OR Neither.
3	Added field to identify whether a DSP program represents a curtailment (decrease) in demand or increase (load-on) in demand. Applies to all categories except market exposed customers and programs with connections on fixed Time-Of-Use tariffs
4	Future Programs has been changed from a text field to a table of fields
5	Future Deployments has been removed
6	Future Changes to existing DSP programs have been added as a table of fields
7	Added a UI for collecting 2 contacts per DSP submission.
8.	NEM Region has been added as an additional compulsory field per DSP program.
9.	Bulk upload functionality has been added to allow uploading multiple DSP programs and their associated NMI's and Historical events.
10	The following DSP categories have been removed:
	Connections on retail time-of-use tariffs
	Connections on network event tariffs
	Connections with network-controlled load
	Connections with energy storage
	Larger Connections and Programs
11	The following have been added as new DSP categories:
	Connections on fixed time-of-use tariffs
	Connections on dynamic event tariffs
	Directly controlled connections (fixed schedule)
	Directly controlled connections (dynamic operation)
	Not elsewhere classified