This document must be submitted to AEMO in conjunction with:

* Application for Registration – NEM – Demand Response Provider
* Guide to change or classify new Wholesale Demand Response Units In the NEM
* FCAS – Application to classify a generating unit as an ancillary service generating unit and/or a load as an ancillary service load in the NEM – when applying to classify non-scheduled load as ancillary service load
* Guide to change or classify new Ancillary Service Loads – Non Scheduled – in the NEM

## Applicant details

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| --- | --- | --- | --- |
| Entity Name: |  | | |
| ABN: |  | ACN: |  |
| Proposed or existing Participant ID[[1]](#footnote-2) |  | | |
| Proposed or existing DUID: |  | | |
| Proposed or existing DUID Name: |  | | |
| Region: |  | | |
| Load Forecasting Area  (only required if classifying WDRUs) |  | | |
| Proposed or existing DUID-Level Maximum Responsive Component (MRC):  (only required if classifying WDRUs) |  | | |

# Section 1. Determination of ancillary services information

You must complete this section only if you are applying to:

* Register as Demand Response Service Provider (DRSP); or
* You are an existing DRSP, Market Customer or Market Small Generation Aggregator (SGA) and you wish to classify load, market load or a connection point for a generating unit as ancillary service load (ASL) in a new region or for a new technology type;
* You are an existing DRSP, Market Customer or SGA and you wish to classify load, market load or a connection point for a generating unit as ASL to provide new ancillary services;
* You are an existing DRSP, Market Customer or SGA and you wish to amend an existing classified loads, market loads or connection points for generating units.

How was the *ancillary services* information determined? Please provide details where appropriate.

Using *market* *load* or *generating unit* design parameters

Based on services previously provided under an *ancillary services* agreement

Using test results

Using the mathematical modelling of the *plant*

Other (please describe)

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| Details: |  |  |

# Controls, communications and telemetry information

## Facilities to receive enablement instructions

Please describe the facility installed to receive instructions from AEMO’s market systems for the enablement of each *ancillary service*.

For example: How will the DRSP, Market Customer or SGA find out when the *ancillary services* are enabled for the facility by AEMO’s market systems? Does the plant operator have access to AEMO’s market systems, or does the plant operator rely on an alternate system/person telling them when necessary?

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## Control facility

Please describe the control *facilities* installed for each *ancillary service* in accordance with the *Market Ancillary Service Specification* (MASS), including communications and telemetry where applicable. For example, are the fast and slow services to be provided by variable controllers or switching controllers?

Specify the applicable FCAS controller settings such as the frequency deviation settings for a switching controller or the frequency dead-band and droop setting for a variable controller. If the application is to aggregate additional loads/generating units, specify the switching, variable or combined FCAS controller settings for the additional loads/generating units only.

Is the *plant* controlled from a location other than the *plant* to provide these services?

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| Details: |  |

## Monitoring and recording facilities

Please describe the monitoring and recording facilities installed for each *ancillary service* in accordance with the MASS, including communications and telemetry, where applicable.

For example, what is the sampling interval of active power and frequency records?

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| Details: |  |

## Test data

For each controller type (e.g. Battery system controller model, load control model, etc.), provide test data that demonstrates the provision of the services applied for.

* Test data must be provided for each category of service applied for (fast, slow and/or delayed, raise and/or lower as applicable)
* For each category of service applied for:
  + Test data must be provided showing the response to frequency deviations according to the standard frequency ramp defined in the MASS;
  + Test data and the frequency deviation data must be on a common time-scale;
  + The resolution of the data must conform to the MASS;
  + If the controller allows the reversal of power (e.g. battery systems), the above tests must be repeated to demonstrate performance under reversal of power.

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| Details: |  |

# Section 2. Determination of wholesale demand response unit information

You must complete this section only if you are applying to:

* Register as Demand Response Service Provider; or
* Classify load as a wholesale demand response unit (WDRU) in a new region or for a load forecasting area;
* Classify load as a new WDRU
* Amend existing classified loads
* Amend MRC for an existing classified load

Please provide DUID-Level\_MRC nomination explanation:

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| --- | --- | --- | --- |
| MRC (MW): |  | Details: | (DUID-Level MRC shall be equal to or less than the sum of NMI-Level MRC and details for the proposed MRC is required)  An explanation on how you are going to control your plant to meet dispatch instructions. |

# More Information

Applicants are advised to contact AEMO early in the design phase of their project to confirm the latest registration and technical requirements.

For any further enquiries, please contact AEMO’s Information and Support Hub via:

* supporthub@aemo.com.au or
* call 1300 236 600

1. If you are not using an existing Participant ID, enter your preferred Participant ID (maximum 8 characters). If already taken or if the field is left blank, one will be provided by AEMO. NOTE: If an additional Participant ID is required, an additional fee will be charged per the Electricity Market Revenue Requirement and Fee Schedule. [↑](#footnote-ref-2)