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Decision Proposal 109 – NMI Standing Data Payloads – AEMO Response

AEMO welcomes the opportunity to respond to the above Decision Proposal. We understand that this proposal is at this stage only draft and would welcome the chance to discuss our feedback further, particularly in light of any feedback you may receive following this discussion period.

As a data holder, AEMO is in a unique position where it:

- (a) does not directly collect (nor is responsible for) any data to which it has been designated as a Data Holder; and
- (b) is reliant upon the actions of third parties for the provision and quality of the data to which it has been designated as a 'Data Holder'.

Practically, this means that AEMO will not always have CDR Data for a particular arrangement.

Due to the breadth, nature and quality of the data held within the five MSATS master tables, AEMO would suggest that a subset of standing data stored for each NMI may need to be considered when the CDR Rules are developed. The data captured in these tables serves a broad range of purposes in the electricity sector but is likely to be of minimal value beyond those existing needs. Attempting to expose the entire, or a large majority of the, dataset is likely to be more costly than the associated benefit to consumers.

For ease of identification we have responded to the sections of your proposal using the same heading names.

1. Identified Options

1.1. Field Inclusion/Exclusion

AEMO understands the intention of balancing the desire to maximise the availability of the data against the potential exclusion for the reason of low data quality, risk considerations or extreme use limitations.

In our feedback below (under Current Recommendation) we note that there may be other fields which could fall into one or more of these exclusion categories.

Our understanding is that only the most recent standing data from our MSATS records will be made available to CDR recipients (so historical data changes will not be made available) and our responses below are based on this understanding.

We note that AEMO has at least two initiatives in progress both of which will have an impact on our responses below. The 5 Minute Market Settlement (5MS) project and the MSATS Standing Data Review (MSDR) will both have an impact on the content of the proposed payloads and where that impact is known, these have been called out below.

2. Current Recommendation

2.1. Service Point List Data

2.1.1. Response Payloads

Field	Comment
servicePointId	Our current understanding that this is a unique id assigned to a consent between an ADR, a consumer at a NMI (and potentially a retailer) for the duration of that consent. Should any party revoke their consent or should it expire, the service Point id also expires. It will be used by the ADR in place of NMIs in URI paths and request objects.
NMI	No further comment.
Classification	As part of the move to 5MS, the list of possible values assigned to this field will change; the attribute will also take: 1) BULK 2) XBOUNDARY (Cross boundary) 3) NCONUML (Non-Contestable Unmetered Load) 4) NREG (Non-registered Embedded Generator) 5) DWHOLSAL (Distribution Connection point where energy is purchased from Spot Market)
Status	No further comment.
Jurisdiction Code	No further comment.
IsGenerator flag	The aggregation flag is related to how the metering data for that NMI is aggregated in wholesale energy, while a non-aggregated settlement can indicate the presence of a generator it does not identify all generators. Recommend the name is aligned with the standing data schedule.

Field	Comment
Valid Period	AEMO assumes that this API will supply only data that is currently active at the time of the request. Therefore, we recommend that this Object be <u>Removed in its entirety</u> and that the Last Update Date Time be used to flag the most recent change date.
From date	See comments for Valid Period. Recommend this field be <u>Removed</u>
To date	See comments for Valid Period. Recommend this field be <u>Removed</u>
Last Update Date Time	Is the date and time of the last update to this feed of Standing Data for CDR. As discussed, AEMO will populate this with the latest update date from the underlying data groups which form the CDR Standing Data collection.
Creation Date Time	AEMO assumes that this information is unlikely to be beneficial to the consuming parties and recommends not supplying this information. AEMO recommends that this field is <u>Removed</u> .
Consumer Profile	Note that as both Classification and Threshold could be missing, AEMO recommends that this object be made <u>Optional</u>
Classification	Note that prior to 2015, this field could be missing. AEMO recommends that this field be made <u>Optional</u> .
Threshold	As per Classification. AEMO recommends that this field be made <u>Optional</u> .
Links	No further comment.
Total records	No further comment.
Total pages	No further comment.

2.2. Service Point Detailed Data

2.2.1. Response Payloads

For those elements not already covered in the table above:

Field	Comment
Distribution Loss Factor	No further comment.
Related Participants	<p>Note that due to market activity, organisations often have multiple trading entities that are registered participants and historical trading names may still be active in AEMO systems, and <u>these may vary from the current name known to the consumer</u>.</p> <p>Most participants are included for AEMO purposes. AEMO recommends that CDR will only need access to the Financially Responsible Market Participant (FRMP) and the Local Network Service Provider (LNSP).</p>
Party	AEMO use ParticipantID and will translate this to the Organisation Name string for CDR.
Role	See comments for Related Participant. AEMO recommends that <u>only FRMP and LNSP be provided</u> .
Location	<p>At this time AEMO holds a mixture of structured and unstructured addresses.</p> <p>AEMO will be decommissioning unstructured addresses. AEMO will also be introducing the concept of G-NAF-PID. The current data is of varying quality. <u>Discussion is required</u> to confirm the mapping of the current set of address attributes to either simple/PAF formats.</p>
Meters	No further comment.
Meter ID	No further comment.
Specifications	No further comment.
Status	No further comment.
Installation Type	As part of the move to 5MS, the new value of NCOLNUML (non-contestable meter load) is being introduced.
Manufacturer	As a function of the MSDR, AEMO has proposed to make this attribute 'Mandatory' but at present (and until the proposed amendment is made) this attribute is a free text field
Model	As per Manufacturer.

Field	Comment
Read Type	AEMO is amending this attribute in future to include a 4th attribute to qualify the interval length that is being captured. This will allow for meters with different reading intervals.
Streams	<p>AEMO keeps information related to the meter registers (detail against each meter register and register identified) and the NMI (as a summary (datastreams) which is used for use by AEMO in market settlement).</p> <p>Under 5MS the more detailed Register level objects will replace Streams. AEMO recommends that <u>this object be renamed to Registers</u> and that Register level data is provided instead of the aggregated streams</p>
Stream ID	<p>Related to the point in Streams, AEMO's recommendation is that Stream ID should be substituted with two attributes concatenated - RegisterID and Suffix from the register identifiers.</p> <p>While in some instances Suffix is missing, the resultant concatenated Register ID can be mandatory.</p> <p>AEMO recommends that <u>this field be renamed to reflect the concatenated RegisterID and Suffix.</u></p>
Stream Status	AEMO recommends that <u>this attribute be removed</u> as AEMO only provides active registers.
Averaged Daily Load	<p>Post 5MS this field will store average daily load for each Register – not for each Stream as it does now. In the interim however, there will be instances where, at a Register level at least, this value is missing. Therefore, AEMO recommends that <u>this field be made Optional.</u></p> <p>There will be a large number of instances where there is only one Register at a NMI and therefore only one Stream, so in the interim the current value for averaged daily load for the Stream will be provided.</p>
Data Stream Type	Related to the point in Streams, AEMO recommends <u>renaming this to register identifier consumption type.</u>
Profile Name	<p>This is provided by MDPs to construct the various load profiles used exclusively by AEMO to derive 5-minute meter reads for market settlement.</p> <p><u>AEMO recommends removing this attribute.</u></p>
Network Tariff Type	No further comment.

Field	Comment
Unit of Measure	There are small number of records where the data for this is unavailable. AEMO recommends that <u>this field be Optional</u> .
Time of Day	There are records where the data for this is unavailable. This will become an enumerated field as a result of the MSDR. AEMO recommends that <u>this field be Optional</u> .
Multiplier	There are records where the data for this is unavailable. AEMO recommends that <u>this field be Optional</u> .
Controlled Load	Currently this field is free form. However, as a function of the MSDR this attribute will become an enumerated field. AEMO recommends that <u>this field be Optional</u> .
Consumption Type	There are records where the data for this is unavailable. AEMO recommends that <u>this field be Optional</u> .
Peak Demand 1 & 2	The industry is moving towards removing this attribute as part of MSDR, due to the very low population rate and not being of value to Participants. AEMO recommends <u>removing this field</u> from the response payload.