

MRA Issue Form



Raising a MIF: When completing this form please refer to [MAP17](#) and provide as much detail about the Issue and/or Solution as possible to assist IREG or GDEG in their review. This form can include a high-level problem which requires consideration through to a detailed solution.

MRA Issue Reference	Date Issued	Version Number
MIF 333	8 th September 2020	1.0

Issue Title
New Meter Type (J0483) values to identify Auxiliary Proportional Controllers

Summary of Issue
This issue seeks to identify if a change is required to the valid set of the Meter Type (J0483) Data Item to identify SMETS2 Smart Meters with Auxiliary Proportional Controllers in accordance with the upcoming SMETS2 V5.0 due for release in November 2020.

Contact Details

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Associated Documents

Association	Reference
Attachments/Appendices	Appendix 1 – BEIS Consultation on Smart Metering System Proportional Load Control Functionality Appendix 2 – Proposed SMETS2 drafting
Related Issue(s)	
Related SPF(s)	
Related Change(s)	

Impacts

Urgent Issue?	No
Priority Provisions Impact?	No
Priority Provisions Clauses	N/A

Green Deal Matter:	No
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Roles Impacted	
Supplier	Yes
Distribution Business	Yes
Settlement	No
Other: (E.g. MOPs)	MOPs

Central Systems Impacted	
ECOES	Yes
GDCC	No

Codes and Products Impacted
Data Transfer Catalogue (DTC): <ul style="list-style-type: none"> Meter Type (J0483) Data Item Annex C Validation Rules for D0055, D0150, D0205 and D0367 Data Flows

Issue Details

Description of issue
<p>In August 2019 the Department for Business, Energy & Industry Strategy (BEIS) consulted on proposed amendments to Smart Metering Equipment Technical Specifications 2 (SMETS2) to add proportional load control functionality to the Smart Metering System. This builds on the existing Auxiliary Load Control Switch (ALCS) and Home Area Network (HAN) Connected Auxiliary Load Control Switch (HCALCS) functionality to enable more precision and flexibility in the control of load than is currently possible.</p> <p>The proposed amendments to SMETS2 introduces new functionality to include an integrated Auxiliary Proportional Controller (APC) within the Electricity Smart Metering Equipment (ESME), as well as a Standalone Auxiliary Proportional Controller (SAPC) that can be connected via the HAN.</p> <p>These amendments to SMETS2 are due to be implemented into the Smart Energy Code (SEC) in November 2020 and will be baselined as SMETS2 V5.0. Consequentially, a Change Request has been raised to make amendments to the Data and Communication Company's (DCC's) Self Service Interface (SSI) to introduce a new ESME Variant to identify meters with APC functionality.</p> <p>As part of this Change Request, consideration should be given as to whether equivalent amendments are required to the DTC.</p>

Impact of issue
The ESME Variant is often identified, or validated against, the Meter Type (J0483) Data Item issued on the D0150 Data Flow, and the introduction of a new ESME Variant by the DCC without amending the Meter Type in the DCC may result in these being out of line, and data quality impacts for Suppliers and MOPs.

Potential Solution(s) (optional)

Solution(s)

There are several solution options available, that depend greatly on the needs of Suppliers and Meter Operators to identify if APCs are present through the use of the Meter Type (J0483) Data Item:

1. Do nothing. Only introduce new ESME Variants through the DCC and do not amend the DTC. Suppliers will be required to use secondary data sources and validation to ensure the DCC hold the correct ESME Variant.
2. Amend the Meter Type (J0483) Data Item to add additional values to identify where APCs are installed. This may require between 3-9 additional values of:
 - a. A single element meter with one or more APCs that is compliant with SMETS2
 - b. A twin element meter with one or more APCs that is compliant with SMETS2
 - c. A polyphase meter with one or more ALCS and APCs that is compliant with SMETS2
 - d. A single element meter with one or more ALCS APCs that is compliant with SMETS2
 - e. A twin element meter with one or more ALCS and APCs that is compliant with SMETS2
 - f. A polyphase meter with one or more ALCS and APCs that is compliant with SMETS2
 - g. A single element meter with one or more ALCS, APCs and Boost Function that is compliant with SMETS2
 - h. A twin element meter with one or more ALCS, APCs and Boost Function that is compliant with SMETS2
 - i. A polyphase meter with one or more ALCS, APCs and Boost Function that is compliant with SMETS2
3. Use an alternative or new Data Item within the D0150 Data Flow to identify if APCs are present in the meter.

If new values are introduced for the Meter Type (J0483) Data Flow, consequential amendments will also be required to the validation rules in Annex C for the D0055, D0150, D0205 and D0367 Data Flows.

Proposed Implementation Date		Implementation Technique
No date proposed	No date proposed	None Proposed

Thank you for completing an MRA Issue Form.

Please send this form along with any additional attachments to: meetings.IREG@gemserv.com



Any Questions?

Speak to one of the MRA Team on 020 7090 1029