

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 334	21 st September 2020	1.0

Issue Title
Identifying Additional Electricity Smart Meters (ESME) and Standalone Auxiliary Proportional Controllers (SAPCs)

Summary of Issue
If a DCC inventory has multiple ESMEs and/or SAPCs at a premises, then a method is required to identify settlement from non-settlement meters

Contact Details

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Associated Documents

Association	Reference
Attachments/Appendices	
Related Issue(s)	MIF 333 - New Meter Type (J0483) values to identify Auxiliary Proportional Controllers
Related SPF(s)	
Related Change(s)	

Impacts

Urgent Issue?	Yes
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	Yes
Other: (E.g. MOPs)	MOPs

Central Systems Impacted	
ECOES	No
GDCC	No

Codes and Products Impacted
DTC and possibly MAP, could impact Priority Provisions depending upon solutions.

Issue Details

Description of issue
<p>There are two parts:</p> <p>Firstly, this will require a DTC data item change to match new ESME variants in November 2020 SEC changes to DTC meter types to be used in D flows. It is not clear when these devices might be available for use within DCC so as to determine when MRA changes are required. MIF 333 has been raised separately to address this issue.</p> <p>Secondly, a possible new process is required so an incoming Supplier can determine if multiple ESMEs are seen in a DCC inventory they can link each to relevant meter serial number and therefore determine if this relates to a settlement meter. As a DCC inventory change proposal to add the meter serial number was rejected, issues arise in how to link these to DCC inventory GUIDs and to ensure correct setup on CoS is carried out. That could require this information to be passed by the current Supplier to any new Supplier but done so for all ESME meters in DCC, and in advance of SSD to allow the new Supplier to configure the correct meters for settlement and manage any non-settlement meter. A Distributor might also require this data but likely to be whenever a change is made to a smart metering system and not on CoS. Given possible impact on settlement Elexon might need to incorporate any new flows into relevant BSCPs related to CoS and meter exchanges. It is also possible that in replacing RTS meters a single MPAN could require multiple ESMEs to enable recording of consumption on two registers if timings for water and space heating overlap but not fully so need to know which is related to which heating regime.</p>

Impact of issue
<p>If we cannot configure meters we are gaining correctly then we will have issues with meeting our licence obligations regarding ensuring the customers meter(s) are configured correctly and display accurate tariff information (specifically Condition 49: Smart Metering Systems and In-Home Displays – Operational Requirements). This could have a significant impact on consumers if devices are configured incorrectly; especially if auxiliary loads like heating and hot water rely on that configuration and might not switch on if we get it wrong. A wrong configuration could also impact on settlements as reads could be entered that only cover part of full consumption so leading to larger errors in allocation of energy that would be spread over Suppliers who would then be potentially unfairly penalised in terms of settlement costs.</p>

Potential Solution(s) (optional)

Administered by



Solution(s)

For new ESME variants below a DTC CP is required to add these, assumed to be only valid for SMETS 2 meters but needs to be checked out. Highlighted are those variants not currently detailed on DTC under data item Meter Type (J0483).

Central Products List (CPL) device type	DUIS device type	DUIS ESME Variant Valid set
Single Element Electricity Metering Equipment	ESME	<ul style="list-style-type: none"> • A. Single Element ESME • AD. Single Element ESME with ALCS • ADE. Single Element ESME with ALCS and Boost Function • ADF. Single Element ESME with ALCS and APC • ADEF. Single Element ESME with ALCS, Boost Function and APC • AEF. Single Element ESME with Boost Function and APC • AF. Single Element ESME with APC • AG. SAPC • AEG. SAPC with Boost Function • ADG. SAPC with ALCS • ADEG. SAPC with ALCS and Boost Function
Twin Element Electricity Metering Equipment	ESME	<ul style="list-style-type: none"> • B. Twin Element ESME • BD. Twin Element ESME with ALCS • BDE. Twin Element ESME with ALCS and Boost Function • BF. Twin Element ESME with APC • BDF. Twin Element ESME with ALCS and APC • BDEF. Twin Element ESME with ALCS, Boost Function and APC • BEF. Twin Element ESME with Boost Function and APC
Polyphase Element Electricity Metering Equipment	ESME	<ul style="list-style-type: none"> • C. Polyphase ESME • CD. Polyphase ESME with ALCS • CDE. Polyphase ESME with ALCS and Boost Function • CDEF. Polyphase with ALCS, Boost Function and APC • CF. Polyphase with APC • CDF. Polyphase with ALCS and APC • CEF. Polyphase with Boost Function and APC

For the second issue, the government response on how these additional meters and SAPCs are managed on COS was:

“We note the above suggestions around developing reliable CoS process and rules, and that industry can use existing codes to bring any changes in effect.”

This MIF is to consider how this can be managed and to ensure settlement integrity is not compromised by Suppliers incorrectly matching ESMEs to incorrect meters and therefore to wrongly record consumption which as well as settlement issues could lead to inaccurate billing. A possible option is a new data flow to be sent between Suppliers when MPAS shows a DCC service flag set and an obligation placed in the MRA for this flow to be sent on receipt of a D0058 even if the old Supplier at a later date decides to object or New Supplier withdraws their registration. It is also possible that Distributors will require this data so flow might also require a Supplier to

Distributor option which is not sent on CoS but when a change is made to smart metering set-up at a premise.

Proposed Implementation Date		Implementation Technique
No date proposed	No date proposed	Big Bang

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