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MP125

‘Correcting Device Information for the ESME Variant’

Modification Report

Version 0.7

12 July 2022



About this document

This document is a Modification Report. It sets out the background, issue, solution, impacts, costs, implementation approach and progression timetable for this modification, along with any relevant discussions, views and conclusions.

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This document also has four annexes:

- **Annex A** contains the business requirements v1.0 for the solution.
- **Annex B** contains the full Data Communications Company (DCC) Impact Assessment response v0.4.
- **Annex C** contains the redlined changes to the Smart Energy Code (SEC) required to deliver the Proposed Solution.
- **Annex D** contains the full responses received to the Refinement Consultation.

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1. Summary

This proposal has been raised by Leon Wright from Utility Warehouse.

When an installing Supplier pre-notifies a Device using the DCC Device Pre-Notification Service Request (SR12.2), it includes within it updates for various Device details stored in the Smart Meter Inventory (SMI). One of these updates is the Electricity Smart Metering Equipment (ESME) Variant. However, if the Installation and Commissioning process begins for an ESME, it is no longer possible to update these details, including the ESME Variant, within the SMI. This means that any errors cannot be rectified.

In addition, if a firmware update is applied to the Device, especially if the new update results in the change to the ESME Variant (e.g. boost button functionality), the Responsible Supplier will not be able to amend this change within the SMI.

The Proposed Solution will allow the Responsible Supplier to correct the ESME Variant field in the SMI after a Device has been commissioned. The Responsible Supplier shall be able to send SR8.4 'Update Inventory' to correct the ESME Variant if the Device Status is 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'. The solution will be applied to Smart Meter Equipment Technical Specifications (SMETS2) Devices only.

This modification will affect the DCC, Suppliers and Device Manufacturers. The total cost to implement the change is approximately £81,000. If approved, this modification will be targeted for the June 2023 SEC Release. This is a Self-Governance Modification.

2. Issue

What are the current arrangements?

When Devices (such as Communications Hubs, Gas Smart Metering Equipment (GSME) or ESME) are delivered to a Supplier or a Supplier's Agent (such as a Meter Operator (MOP) or Meter Asset Provider (MAP)) from a Device Manufacturer, an Advance Shipment Notification (ASN) file is provided. This file lists the details of each Device in the shipment.

The DCC requires the Device details to be provided to it via an SR12.2. These details are then imported into the DCC SMI. No Devices can be installed or allowed to communicate with the DCC System unless they are listed on the SMI.

The ASN information is provided in either an XML file or a text file. It contains the meter asset details, including the serial number, and information about the attributes of that Device, such as the Device Variant. The Device Variant describes the functions of the Device such as if it includes a Home Area Network (HAN) Connected Auxiliary Load Control Switch (HCALCS) or boost button functionality).

DCC Users must ensure that all Devices connected to the HAN are recorded on the SMI. Suppliers or Supplier Agents acting on their behalf can use the ASN file provided by the Device manufacturer to generate the SR12.2 required for Device Pre-notification. Upon receiving the SR12.2, the DCC will update the SMI and set the SMI Status of the Device to 'Pending'.

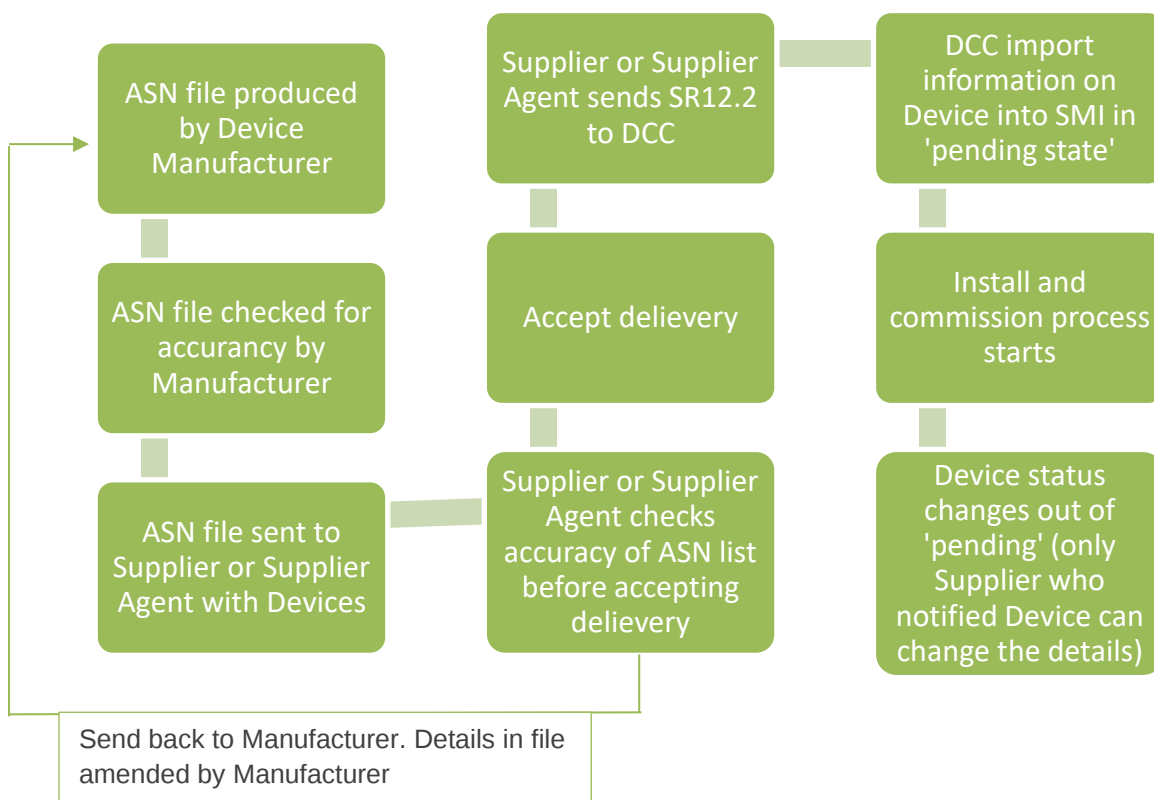
What is the issue?

Once the Installation and Commissioning process has started and the Device leaves the 'Pending' state then it is no longer possible for any Supplier to update these details in the SMI. This means that:

- any errors cannot be rectified;
- following a Change of Supplier (CoS) the 'ESME Variant' field cannot be changed by the gaining Responsible Supplier; and
- when a firmware upgrade takes place to add functionality such as activating the boost button facility this information on the change of EMSE Variant cannot be updated by the Responsible Supplier.

How does an incorrect ESME Variant occur?

Where incorrect details are provided in the ASN file the incorrect information about the Device will be recorded on the SMI. Suppliers, Supplier Agents and Device manufacturers should therefore be taking precautions and using 'best practice' to validate this information at every stage of the process.



Pending state

An error in the EMSE Variant information may be identified by the installing Supplier when it performs a quality control check on the ASN files. If the Device has a status of 'Pending' the installing Supplier may update details of that Device or delete that Device from the SMI by sending an SR8.4 'Update

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Inventory'. This functionality is only available to the installing Supplier and only when the Device is in 'Pending' state.

Firmware Upgrades

When the Responsible Supplier performs a firmware upgrade on Devices the upgrade can cause a change to the ESME Variant. The Responsible Supplier is not currently able to update the SMI to reflect these changes.

What is the impact this is having?

Not resolving the issue will mean errors identified in the SMI will not be corrected. In July 2020, the DCC confirmed 719,543 commissioned ESMEs have a potentially wrong ESME variant code, and the volume of Devices with the incorrect ESME Variant will likely continue to increase. Additionally, the implementation of firmware upgrades could mean a Device's functionality may change. A change of functionality would mean there could be a discrepancy with the Device Variant as listed at the very outset. Consumers may not be offered the correct tariffs attributed to a particular Device type if the wrong ESME Variant is recorded in the SMI.

Impact on consumers

Consumers may be offered wrong tariffs or will be limited to certain tariff options. This modification will ensure consumers are being offered the correct tariff for the type of meter that they have.

3. Solution

Proposed Solution

The Proposed Solution is to allow the Responsible Supplier to be able to correct the ESME Variant field in the SMI after the Device has been commissioned. The Responsible Supplier will be able to send SR8.4 'Update Inventory' to correct the ESME Variant if the Device Status is 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'.

The business requirements for this solution can be found in Annex A.

4. Impacts

This section summarises the impacts that would arise from the implementation of this modification.

SEC Parties

SEC Party Categories impacted			
✓	Large Suppliers	✓	Small Suppliers
✓	Electricity Network Operators		Gas Network Operators
✓	Other SEC Parties	✓	DCC

Breakdown of Other SEC Party types impacted			
	Shared Resource Providers		Meter Installers
✓	Device Manufacturers		Flexibility Providers

This modification will benefit Suppliers, Electricity Network Operators and Other SEC Parties as it will allow the Responsible Supplier the ability to amend the ESME Variant code, in the instance the details incorrect. The Modification will allow the Responsible Supplier to be able to correct the ESME Variant in the SMI for the Devices with an incorrect Variant after the Devices has been commissioned.

DCC System

This modification will impact the DCC System. The Data Service Provider (DSP) will modify the validation rule associated with SR8.4 'Update Inventory' to meet the business requirement. Currently, only the DCC Service User who pre-notified the Device details is allowed to update the Device details. This behaviour will be changed to allow the Responsible Supplier to submit SR8.4 for the purpose of updating the ESME Variant of a Device.

Full details can be found in the DCC's Impact Assessment in Annex B.

SEC and subsidiary documents

The following parts of the SEC will be impacted:

- Appendix AD 'DCC User Interface Specification' (DUIS)
- Schedule 11 'Technical Specification Applicability Tables'

The DCC has provided the legal text with the DUIS documentation changes as part of the DCC Impact Assessment. Although this change will affect the DUIS there are no changes to the DUIS Schema. The DCC User Gateway Interface Design Specification (DUGIDS) documentation will also need to be updated to describe the revised behaviour of SR8.4.

The full redlined changes to the SEC can be found in Annex C.

Devices

Devices impacted			
✓	Electricity Smart Metering Equipment		Gas Smart Metering Equipment
	Communications Hubs		Gas Proxy Functions
	In-Home Displays		Prepayment Meter Interface Devices
	Standalone Auxiliary Proportional Controllers		Home Area Network Connected Auxiliary Load Control Switches
	Consumer Access Devices		Alternative Home Area Network Devices

The solution for this modification relates to ESMEs. Installing Suppliers pre-notify Devices to the DCC using Device Pre-Notification Service Request (SR12.2) which provides various Device details, including the ESME Variant, to be stored in the Smart Meter Inventory SMI.

Consumers

Consumers will be impacted if these changes are not made as they could be offered wrong tariffs or be limited to certain tariff options. This modification will help to ensure consumers are being offered the correct tariff for the type of meter that they have.

Other industry Codes

No other industry Codes are impacted by this proposal.

Greenhouse gas emissions

This proposal will have no effects on greenhouse gas emissions.

5. Costs

DCC costs

The total cost to the DCC to implement the proposed solution is £80,995. The breakdown of these costs are as follows:

Breakdown of DCC implementation costs	
Activity	Cost
Design, Build and Pre-Integration Testing (PIT)	£51,593
Systems Integration Testing (SIT and UIT)	£24,938
Implement to Live	£4,464

More information can be found in the DCC Full Impact Assessment response in Annex B.

SECAS costs

The estimated Smart Energy Code Administrator and Secretariat (SECAS) implementation cost to implement this as a stand-alone modification is two days of effort, amounting to approximately £1,200. This cost will be reassessed when combining this modification in a scheduled SEC Release. The activities needed to be undertaken for this are:

- Updating the SEC and releasing the new version to the industry.

SEC Party costs

One Large Supplier confirmed the costs they will incur in implementing MP125 would range between £100k-£250k if it was required to upgrade to the new version of DUIS. There would be no cost incurred from the remainder of the Refinement Consultation respondents.

6. Implementation approach

Recommended implementation approach

SECAS is recommending an implementation date of:

- **29 June 2023** (June 2023 SEC Release) if a decision to approve is received on or before 29 December 2022; or
- **2 November 2023** (November 2023 SEC Release) if a decision to approve is received on or before 2 February 2023.

This modification will have a six-month lead time. This modification impacts the DUIS and should therefore be implemented in a SEC Release with other DUIS impacting changes for efficiency.

All Refinement Consultation respondents agreed with the proposed implementation approach, however one Large Supplier highlighted it would need to upgrade to the new version of DUIS to be able to operate the change if this was required. Four respondents advised a small amount of time would be required from point of approval for their organisation to implement the change with one Large Supplier highlighting it will require 12 months, if it was to upgrade to a new version of DUIS to implement the change.

7. Assessment of the proposal

Observations on the issue

SECAS's observations

SECAS's investigations identified that, as an example, if an 'AD' ESME was wrongly notified as an 'A' ESME, there would be a chance it could be validated within the Central Products List (CPL) incorrectly. However, SECAS considered the chance of this happening to be highly unlikely as there should be two validation checks as 'best practice' to ensure the Device type is recorded accurately:

- at the point the Device manufacturer provides the ASN file; and
- at the point the Responsible Supplier performs Quality checks on the ASN file.

Supposing that an ESME was not checked by the two validation checks mentioned above and was incorrectly identified, the DUIS explicitly forbids the gaining Supplier to correct the details of a commissioned meter.

Change Sub-Committee's views

Change Sub-Committee (CSC) members confirmed that whilst the volume of incorrect entries at the time was low, this could become an increasing problem. CSC members asked for confirmation as to how many incorrect ESMEs are in the inventory. In July 2020, the DCC confirmed 719,543 commissioned ESMEs have a potentially wrong ESME variant code.

Members highlighted the importance of considering other data elements on the SMI and what impact these could have on functionality if they were incorrect. The CSC asked that the Working Group consider other data elements on the SMI that may also require correction.

Solution development

Technical Architecture and Business Architecture Sub Committee (TABASC) members queried the statement in that following a CoS event, the gaining Supplier would be unable to update Device Firmware if the ESME variant was incorrect in the SMI. SECAS advised this information was incorrect and the issue was not that Firmware could not be updated, rather that a Firmware upgrade could change properties of a Device and therefore add new functionalities. Without the proper Variant being recorded, new functionality may not be visible to the responsible Supplier associated with an ESME. SECAS amended the statement in the Modification Report accordingly and this is now resolved.

The TABASC asked the Working Group to consider whether any other Service Requests that only the installing Supplier can send should be made available to the current Supplier in sending. SECAS advised it had not received any further feedback from Parties for any additional Service Requests to be included under this modification.

The Working Group enquired how the DCC captures figures for Devices which have an incorrectly labelled ESME Variant in the SMI. The DCC advised that the figures are generated by the DCC Technical Operations Centre (TOC) report on ESME Variants. There were also discussions to investigate the feasibility of amending the CPL, so it displays ESME Variant. SECAS advised this request was investigated and due to the complexity of the CPL system and the way it is set up this was not technically feasible. The Working Group also requested the DCC to provide a report on ESME Variants listed in the SMI against CPL data. The DCC provided this information to SECAS and,

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it reported there were around 719,543 ESME Devices which the DCC estimated to be listed under an incorrect ESME Variant in the SMI.

Previously the Proposer and the Working Group had considered expanding the scope to include other variants such as Device Model and Device Manufacturer, as considered by the CSC. SECAS presented this suggestion to the TABASC and the Security Sub-Committee (SSC) for feedback. Both Sub-Committees agreed there would be an increased Security risk in allowing access for Users to amend Device Model and Device Manufacturers. The SSC also advised it would require a risk assessment to be carried out if the modification was to include Device Model and Device Manufacturers. As a result, the TABASC and the SSC were supportive of progressing the modification forward to allow the gaining responsible Supplier the ability to update the ESME Variant only. The Proposer and the Working Group noted these views and concluded that the scope should just cover the ESME Variant to prevent creating any potential security risk. The Working Group requested that all ESME Variant codes be included in the modification.

8. Case for change

Business case

The CSC, the Working Group and Sub-Committees were all supportive of this change to improve the data quality in the SMI.

There was a unanimous agreement and support from Refinement Consultation respondents for the solution put forward to resolve the issue for MP125. Respondents agreed that the solution provides a means for correcting incorrect the ESME Variant so that consumers can receive the correct functionality and tariff offered by the meter variant installed.

Views against the General SEC Objectives

Proposer's views

The Proposer believes that this modification better facilitates General SEC Objective (a)¹ as it would ensure accurate information was held in the SMI and consumers will be offered the correct tariff.

Industry views

Five responses were received to the Refinement Consultation. All five respondents agreed MP125 better facilitated SEC objective (a) for the same reasons as the Proposer.

The full Refinement Consultation responses can be found in Annex C.

¹ Facilitate the efficient provision, installation, operation and interoperability of smart metering systems at energy consumers premises within Great Britain.

Views against the consumer areas

Improved safety and reliability

This modification will ensure details in the SMI are reflected accurately and up to date.

Lower bills than would otherwise be the case

This modification will ensure consumers are being offered the correct tariff for the type of meter that they have.

Reduced environmental damage

This modification will ensure that meters which are prevented from receiving a successful firmware upgrade are not replaced prematurely.

Improved quality of service

This implementation will have a positive impact to Suppliers as it will allow them to provide more accurate information to consumers and aid in offering consumer more accurate and prosperous Smart Energy tariffs.

Benefits for society as a whole

This modification will ensure the smart metering programme can operate efficiently and offer the best service to consumers.

Final conclusions

The Working Group discussed the benefits of implementing this modification advising that not resolving the issue will mean errors identified in the SMI will not be corrected and the volume of incorrect Devices will increase. A member advised this modification will also benefit the work being conducted in the Market Half Hour Settlement (MHHS) programme which asks that the integrity and accuracy of the Device Variant remains consistent. Being able to change the ESME Variant, if found incorrect, will be a useful function. In addition, a Firmware upgrade may take place and change the properties of a Device adding new functionalities. Without the proper Variant being updated the new functionality may not be visible to the Responsible Supplier associated with an ESME.

TABASC members advised this modification will not just correct errors made by previous Suppliers but will also help where firmware versions have been deployed, to validate updates to variant cases.

9. Appendix 1: Progression timetable

This modification will be presented to the CSC on 19 July 2022 with the recommendation this is progressed to the Report Phase. If the CSC agrees, a Modification Report Consultation will be issued ahead of the Change Board vote under Self-Governance.

Timetable	
Event/Action	Date
Draft Proposal raised	7 May 2020
Presented to CSC for initial comment and recommendations	26 May 2020
Panel converts Draft Proposal to Modification Proposal	19 Jun 2020
Business requirements developed with the Proposer and DCC	22 Jun 20 – 6 May 2021
Business requirements discussed with SSC	24 Feb 2021
Business requirements discussed with TABASC	4 Mar 2021
Working Group meeting	7 Jun 2021
Preliminary Assessment requested	9 Aug 2021
Preliminary Assessment returned	1 Sep 2021
Working Group meeting	6 Oct 2021
Refinement Consultation	9 Nov 2021 – 22 Nov 2021
Working Group meeting	1 Dec 2021
Impact Assessment costs approved by Change Board	13 Dec 2021
Impact Assessment requested	3 Jan 2022
Impact Assessment returned	21 Feb 2022
Working Group meeting	2 Apr 2022
Impact Assessment discussed with TABASC	5 May 2022
Working Group meeting	6 Jul 2022
Modification Report approved by CSC	19 Jul 2022
Modification Report Consultation	20 Jul 2022 – 10 Aug 2022
Change Board Vote	24 Aug 2022

10. Appendix 2: Glossary

This table lists all the acronyms used in this document and the full term they are an abbreviation for.

Glossary	
Acronym	Full term
ASN	Advance Shipping Notification
CoS	Change of Supplier
CSC	Change Sub-Committee
CPL	Central Products List
DCC	Data Communications Company
DSP	Data Service Provider
DUGIDS	DCC User Gateway Interface Design Specification
DUIS	DCC User Interface Specification
ESME	Electricity Smart Metering Equipment

Glossary	
Acronym	Full term
FIA	Full Impact Assessment
GSME	Gas Smart Metering Equipment
HAN	Home Area Network
HCALCS	HAN Connected Auxiliary Load Control Switch
MAP	Meter Asset Provider
MHHS	Market Half Hour Settlement
MOP	Meter Operator Provider
PIT	Pre-Integration Testing
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
SIT	System Integration Testing
SMI	Smart Metering Inventory
SR	Service Request
SSC	Security Sub Committee
TABASC	Technical Architecture and Technical Business Architecture Sub Committee
TTO	Implementation to live
TOC	Technical Operations Centre
UIT	User Integration Testing

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MP125 ‘Correcting Device Information ESME Variant, Device Model and Device Manufacturer’

Annex A

Business requirements – version v1.0

About this document

This document contains the business requirements that support the solution for this Modification Proposal. It sets out the requirements along with any assumptions and considerations. The Data Communications Company (DCC) will use this information to provide an assessment of the requirements that help shape the complete solution.

1. Business requirements

This section contains the functional business requirements. Based on these requirements a full solution will be developed.

Business Requirements	
Ref.	Requirement
1	The Responsible Supplier shall be able to update the Electricity Smart Metering Equipment (ESME) Variant held in the Smart Metering Inventory (SMI) after a Device has been commissioned.

2. Considerations and assumptions

This section contains the considerations and assumptions for each business requirement.

2.1 General

This solution will be applied to SMETS2+ Devices.

When an installing Supplier pre-notifies a Device to the DCC using the Device Pre-Notification Service Request (SRV 12.2) it provides various Device details (including ESME Variant, Device Model and Device Manufacturer) to be stored in the SMI. Whilst the Device remains in the Pending state these details can be corrected by the installing Supplier. Once the Installation and Commissioning process is started and the Device leaves the Pending state then it is no longer possible to update these details in the SMI.

The purpose of this modification is to allow the Responsible Supplier to be able to correct certain Device details in the SMI after the Device has been commissioned.

2.2 Requirement 1: The Responsible Supplier shall be able to update the ESME Variant held in the SMI after a Device has been commissioned.

The Responsible Supplier shall be able to send SR8.4 'Update Inventory' to correct the ESME Variant if the Device Status is 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'.

3. Glossary

This table lists all the acronyms used in this document and the full term they are an abbreviation for.

Glossary	
Acronym	Full term
DCC	Data Communications Company

Glossary	
Acronym	Full term
ESME	Electricity Smart Metering Equipment
SEC	Smart Energy Code
SMETS	Smart Metering Equipment Technical Specifications
SMI	Smart Metering Inventory
SR	Service Request

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MP125 ‘Correcting Device Information for the ESME Variant’

Annex C

Legal text – version 1.0

About this document

This document contains the redlined changes to the SEC that would be required to deliver this Modification Proposal.

SEC Appendix AD ‘DCC User Interface Specification’

These changes have been redlined against DUIS v5.0.

Amend table 3.8.106.3 as follows:

3.8.106.3 *Specific Validation for this Request*

See clause 3.2.5 for general validation applied to all Requests and clause 3.10.2 for Device Existence validation.

Response Code	Response Code Description
E080405	The Device Status is not applicable to the Device Type
E080406	The Device Status transition is not valid
E080407	The Device ID does not exist in the Smart Metering Inventory or its status is not Pending valid for the requested update
E080408	The Request does not include any details to be updated
E080409	The Device Type / Manufacturer / Model / Firmware Version data resulting from the changes specified by the User does not match the DCC list of equipment that has been approved for use
E080410	The User is not authorised to execute the Service Request to update the detail specified
E080411	Request to update Device Status not applicable to the Device Type
E080412	The Device Status transition is not valid
E080413	The requested MPxN update isn’t suitable for the specified Device.
E080414	The Device Status does not allow the MPxN to be updated. The Device Status must be one of “Whitelisted”, “Installed Not Commissioned” or “Commissioned” if the MPxN update is to succeed.
E080415	The User is not the Registered Supplier Party for the new MPxN specified within the UpdateMPxN part of the Service Request.

Amend 3.8.106.4 as follows:

3.8.106.4 *Additional DCC System Processing*

When a User sends an Update Inventory Service Request to the DCC in respect of a Communications Hub, the DeviceId specified within the Service Request shall be that of the Communications Hub Function and not the Gas Proxy Function.

Note that where a Device has an SMI Status of ‘Recovered’ the Device’s SMI Status immediately prior to it having the SMI Status of ‘Recovery’ shall be used in validation.

This Service Request can be used by Users to perform the following four functions;

1. Update Device details within the Smart Metering Inventory provided via Pre-Notification
 - a. This functionality of the Service Request is available to all the Eligible User Roles associated with this Service Request.
 - b. Only the User who originally added the Device to the Smart Metering Inventory may update these device details whilst the Device has a status of 'Pending'.
 - c. For Devices with Device Type ESME, the ESME Variant can be updated by the Registered Supplier Party for the MPAN associated with the Device if the Device has a status of 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'. The ESME Variant and other Device details can be updated by the User who originally added the Device to the Smart Metering Inventory whilst the Device has a status of 'Pending'.
 - de. For all other Devices that have SMI Status values, only Devices in a status of 'Pending' can be updated.
 - ed. Type 2 (IHD and CAD) Devices can be updated at any time.
 - fe. Update most of the Device details that were initially provided to the DCC via Service Request 12.2 – Device Pre-notification (see clause 3.8.122)
 - gf. It isn't possible to update a Device ID (including the GPF Device ID associated to a CHF). If it has been entered in error it has to be deleted via this Service Request and re-added via Service Request 12.2 – Device Pre-notification (see clause 3.8.122).
 - hg. It isn't possible to update a Device Type. If it has been entered in error it has to be deleted via this Service Request and re-added via Service Request 12.2 – Device Pre-notification (see clause 3.8.122).
 - ih. Any updates to the details shared between a CHF and a GPF will be applied to both. The Device ID in the Service Request has to be that of the CHF.
2. Delete Device details from the Smart Metering Inventory provided via Pre-Notification which have not been installed.
 - a. This functionality of the Service Request is available to all the Eligible User Roles associated with this Service Request.
 - b. Only the User who originally added the Device to the Smart Metering Inventory may delete these device details.
 - c. For Devices that have SMI Status values, only Devices in a status of 'Pending' can be deleted.
 - d. Type 2 (IHD and CAD) Devices can be deleted at any time.

- e. Deleting a CHF will also delete its associated GPF.
- 3. Update SMI Status within the Smart Metering Inventory
 - a. This functionality of the Service Request is ONLY available to the Eligible User Roles of Import Supplier and Gas Supplier who are the Responsible Supplier to the Device being updated.
 - b. Different options exist for which device SMI Status values can be updated by Users depending on Device type. Functionality allows,
 - i. Update the Device status for all Device Types, other than the CHF and the GPF and where the old and new status apply to the Device Type
 - 1. From 'Pending' to 'InstalledNotCommissioned'
 - 2. From 'Whitelisted' to 'Pending'
 - c. Update the Device SMI Status for a CHF (and its associated GPF)
 - i. To support the Install & Leave process and / or Install & Commission after Decommissioning or Withdrawal:
 - 1. From 'Pending' to 'InstalledNotCommissioned' (GPF from 'Pending' to 'InstalledNotCommissioned')
 - 2. From 'InstalledNotCommissioned' to 'Commissioned' (GPF no status transition)
 - 3. From 'Pending' to 'Commissioned' (GPF from 'Pending' to 'InstalledNotCommissioned')
 - ii. From 'Commissioned' to 'Withdrawn' (GPF from 'Commissioned' to 'Withdrawn' or from 'Installed Not Commissioned' to 'Withdrawn'). This is the equivalent of Service Request 8.5 – Service Opt Out (see clause 3.8.102) for other Device Types. On successful completion of the Service Request, the DCC Systems will:
 - 1. automatically delete all active DSP Schedules on all Devices in the CHF Whitelist. For each deleted DSP Schedule a DCC Alert N37 will be sent to the User that owned it.
 - 2. automatically cancel all Future Dated (DSP) requests not yet sent to the Device for that CHF and all the Devices in its Whitelist. For each cancelled request a DCC Alert N36 will be sent to the sender of the Future Dated request.

- 4) Update MPxN associated with the Device (or add a new association) within the Smart Metering Inventory
- a. This functionality of the Service Request shall ONLY be available to either:
 - a. the Registered Supplier Party for the MPxN of the type specified in UpdateMPxN, as recorded in the Smart Metering Inventory against the DeviceID; or
 - b. where no such MPxN is recorded in the Smart Metering Inventory against the DeviceID, any Supplier Party
 - b. The new MPxN must be consistent with the type of Device, for example if the Secondary MPAN is updated then the device must be a twin element ESME.
 - c. ONLY a single MPxN association change be changed per Service Request call
 - d. If the MPxN is successfully updated in the Smart Metering Inventory, then a DCC Alert N16 is sent to the Meter's Network Operator.

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MP125 ‘Correcting Device information for the ESME Variant’

Annex D

Refinement Consultation responses

About this document

This document contains the full collated responses received to the MP125 Refinement Consultation.

Question 1: Do you agree with the solution put forward?

Question 1				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	Yes	-	-
Utilita Energy Limited	Large Supplier	Yes	The solution provides a means for correcting incorrect ESME Variants.	-
E.ON	Large Supplier	Yes	-	-
Octopus Energy	Large Supplier	Yes	The supplier will be able to correct the incorrect SR12.2 data providing they can move the status from 'Pending'.	-
EDF	Large Supplier	Yes	It is sensible that incorrect entries in the SMI can be corrected to ensure that customers can receive the correct functionality offered by the meter variant installed	-

Question 2: Do you agree with the proposed implementation approach?

Question 2				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	Yes	-	-
Utilita Energy Limited	Large Supplier	Yes	We would like to see this modification progressed so that it could be implemented in time for the November 2023 SEC Release.	-
E.ON	Large Supplier	Yes	-	-
Octopus Energy	Large Supplier	Yes	Happy that the SR8.4 alteration is a sensible way of resolving the issue.	-
EDF	Large Supplier	Yes	Any change to DUIS requires parties to upgrade to the new version to take advantage of the change. It is not clear whether parties (and specifically suppliers) would be required to upgrade to a new version of the DUIS as a result of these changes, which will have a significant impact on how these changes are implemented. There has always been an assumption that parties would not be 'forced' to upgrade to a new version of the DUIS at the point it was implemented.	-

Question 3: Will there be any impact on your organisation to implement MP125?

Question 3				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	No	There should not be any impact to our organisation.	-
Utilita Energy Limited	Large Supplier	Yes	We will need to update our processes and systems. These changes will be relatively small as the functionality to send the Service Request is already available.	-
E.ON	Large Supplier	Yes	We will be able to update the inventory of inherited devices, and an update to enable this may be needed.	-
Octopus Energy	Large Supplier	Yes	Small amount of impact due to adapter development time.	-
EDF	Large Supplier	Yes	We would need to upgrade to the new version of DUIS to be able to operate this change	-

Question 4: Will your organisation incur any costs in implementing MP125?

Question 4				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	No costs	-	-
Utilita Energy Limited	Large Supplier	-	There would be some costs associated with this modification, but they would be outweighed by the benefits.	-
E.ON	Large Supplier	No Costs	No known costs, but there is a possibility of IT costs to implement a change if we desire to include this feature.	-
Octopus Energy	Large Supplier	No costs	No additional cost to implement,	-
EDF	Large Supplier	£100k-£250k	Required if we were to upgrade to the new version of DUIS	-

Question 5: How long from point of approval would your organisation need to implement MP125?

Question 5				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	N/A	-	-
Utilita Energy Limited	Large Supplier	N/A	November 2023 SEC Release would provide enough time for any changes which would be required.	-
E.ON	Large Supplier	Almost straight away depending on work required	Any IT change is likely to be minimal, but will be dependant on other priorities if we decide to implement a change to accommodate this.	-
Octopus Energy	Large Supplier	Up to 2 months	Small amount of time required for adapter development/implementation.	-
EDF	Large Supplier	12 months	If we were to upgrade to a new version of DUIS	-

Question 6: Do you believe that MP125 would better facilitate the General SEC Objectives?

Question 6				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	N/A	-	-
Utilita Energy Limited	Large Supplier	Yes	A – modification allow Suppliers to rectify incorrect ESME Variants, in turn allowing for efficient management and operation of those ESMES in line with their intended use/manufacture.	-
E.ON	Large Supplier	Yes	We believe it supports objective (a) as it ensures good accuracy of data within the SMI.	-
Octopus Energy	Large Supplier	Yes	MP125 supports the efficient operation of smart meters by allowing us to correct incorrect inventory data effectively.	-
EDF	Large Supplier	Yes	We agree with the proposer that the change would better facilitate SEC objective A	-

Question 7: Do you believe there will be any impacts on or benefits to consumers if MP125 is implemented?

Question 7				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	Yes	We believe that this modification could prevent consumers being charged on the incorrect tariffs or could be limited to certain tariff options, therefore consumers could benefit from this modification.	-
Utilita Energy Limited	Large Supplier	Yes	Modification will allow Suppliers means of rectifying ESME Variant issues so that consumers are correctly offered the tariff/services applicable to their ESME. It also avoids potential issues arising from incorrect firmware upgrades.	-
E.ON	Large Supplier	No	Customer's not likely to be impacted by information on the SMI	-
Octopus Energy	Large Supplier	Yes	The major benefit is the ability to correct ESME variant without the need to send SR8.3 and SR12.2 followed by fully commissioning a device to change the single data point. Much lower impact on a supplier's customers.	-
EDF	Large Supplier	Yes	Improved data quality and the ability to ensure all devices work as intended	-

Question 8: Noting the costs and benefits of this modification, do you believe MP125 should be approved?

Question 8				
Respondent	Category	Response	Rationale	SECAS response
Western Power Distribution	Network Party	Yes	-	-
Utilita Energy Limited	Large Supplier	Yes	-	-
E.ON	Large Supplier	Yes	-	-
Octopus Energy	Large Supplier	Yes	Low impact with positive reward – overall beneficial.	-
EDF	Large Supplier	Yes	It is important to ensure incorreced entries on the SMI can be corrected	-

Question 9: Please provide any further comments you may have

Question 9			
Respondent	Category	Comments	SECAS response
Western Power Distribution	Network Party	-	-
Utilita Energy Limited	Large Supplier	No further comments.	-
E.ON	Large Supplier	-	-
Octopus Energy	Large Supplier	-	-
EDF	Large Supplier	-	-