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MP216 ‘Incorporation of Category 2 Issue Resolution Proposals into the SEC – Batch 9’

Annex A

Business requirements – version 0.1

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	<p>The following Issue Resolution Proposals (IRPs) shall be included in the Great Britain Companion Specification (GBCS) v4.x series:</p> <ul style="list-style-type: none">• IRP640 'Boost Function Log'• IRP658 'Un-activated Image not preventing a new download'

2. Considerations and assumptions

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

2.1 General

The Department for Business, Energy and Industrial Strategy (BEIS) Technical Specification Issue Resolution Sub-Group (TSIRS) has determined the changes needed under these IRPs and has passed them to the Smart Energy Code Administrator and Secretariat (SECAS) to incorporate into the Smart Energy Code (SEC) via the Modification Process.

The IRPs in scope of this modification have been categorised by the GBCS Working Group as 'Category Two', meaning they are Non-DCC System impacting but will require DCC system testing.

These IRPs shall only be implemented into the GBCS v4.x series.

2.2 Requirement 1: Two IRPs shall be included in the Great Britain Companion Specification (GBCS) v4.x series.

The Proposer requests that the following IRPs be included in the GBCS v4.x series:

- IRP640 'Boost Function Log'

The Boost Function Event Log is a single log capable of storing entries for the most recent 25 Boost Periods on an Electricity Smart Metering Equipment (ESME) or a Standalone Auxiliary Proportional Controller (SAPC). There is currently ambiguity as to which of the two date-times (start time or end time) should be used as the selection criteria, for determining which log entries are to be returned. This IRP clarifies that it should be the end time of the Boost Period. Additionally, there is also missing detail from GBCS Table 7.3.8 for the Boost Function Event Log.

- IRP658 'Un-activated Image not preventing a new download'

Currently Devices may require a stored image on that Device to be activated before it can process further updates. If this is the case, then in the situation where a new version of firmware is released and distributed but subsequently is discovered to have a security vulnerability or other issue, then there is no means to replace it prior to activation. This IRP is intended to make it a stated requirement that an Over-the-air (OTA) Client in a Gas Smart Metering Equipment (GSME) / ESME / SAPC or Home Area Network Connected Auxiliary Load Control Switch (HCALCS) must not prevent replacement of an un-activated Upgrade Image that it may already be holding.

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
BEIS	Department for Business, Energy and Industrial Strategy
DCC	Data Communications Company
ESME	Electricity Smart Metering Equipment
GBCS	Great Britain Companion Specification
GSME	Gas Smart Metering Equipment
HCALCS	Home Area Network Connected Auxiliary Load Control Switch
IRP	Issue Resolution Proposal
OTA	Over-the-air
SAPC	Standalone Auxiliary Proportional Controller
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
TSIRS	Technical Specification Issue Resolution Sub-Group