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DP093 ‘Implementing IRP511 and CRP535 to support GBCS v3.2 devices’

Problem statement – version 0.1

About this document

This document provides a summary of this Draft Proposal, including the issue or problem identified, the impacts this is having, and the context of this issue within the Smart Energy Code (SEC).

Proposer

This Draft Proposal has been raised by Chun Chen from Smart DCC Limited.

What is the issue or problem identified?

Agreed approach to implementing two BEIS resolution proposals

In May 2019 BEIS issued a consultation “SMIP_CR_085 – Uplift of GBCS and SMETS2 to support Emergency Credit changes”. The consultation set out a number of amendments that were due to be designated for implementation in November 2019.

Part of the changes consulted upon was an uplift of the GB Companion Specification (GBCS) to v3.2 and subsequent changes to the TS Applicability Tables (TSAT) to mandate an Applicability Period Start Date for GBCS v3.2 of the November 2019 SEC Release.

The DCC’s response to the consultation set out that two resolution proposals (RPs) would not be fully delivered in November 2019:

- **Issue Resolution Proposal (IRP) 511 ‘Set Clock Alerts Refs in Alert Tables Incorrect’** which introduces the Set Clock Alert 0x81C6 to the Event log to allow Users to identify the need for Home Area Network (HAN) Device fault correction; and
- **Change Resolution Proposal (CRP) 535 ‘Restoring Removed Devices from the HAN’** which allows Users to use Service Request SR8.9 ‘Read Device Log’ to read the Communications Hub Function (CHF) device log. The log contains the active and historical Device which allows Users to know which historical Device has been removed from the HAN so that it could be restored if required.

Both RPs required amendments to the schemas for Appendix AD ‘DCC User Interface Specification’ (DUIS) and Appendix AF ‘Message Mapping Catalogue’ (MMC). It had been previously agreed between the DCC and BEIS (in December 2018) that changes to these schemas would not happen in November 2019 in order to avoid any complexities with the SMETS1 Initial Operating Capacity (IOC). Therefore, the full functionality of the two resolution proposals would be delivered in November 2020.

As such the scope of the two RPs in the November 2019 SEC Release was as follows:

- **IRP511** - DCC Systems will be amended to support the new Alert code in the response. However, capability for Users to configure the Alert and Parse & Correlate to translate this Alert into meaningful English is not in the scope for delivery in November 2019.
- **CRP 535** - Communications Hub implementing the removal log is in the scope. However, capability for Customers and Users to retrieve the removal log is not in scope for delivery in November 2019.

On 4 July 2019 BEIS and SECAS designated GBCS v3.2 for implementation in the November 2019 SEC Release. Therefore, to enable the planned changes a new Modification Proposal needs to be raised to introduce the remaining functionality into DUIS and MMC.

How does this issue relate to the SEC?

In order to implement the functionality for IRP511 and CRP535 changes are required to the Data Service Provider (DSP) and Parse & Correlate to provide capability for Users to configure this Alert and use their full functionality. To achieve this, the DUIS and MMC Schemas must be amended.

What is the impact this is having?

Without the required changes to DSP and Parse & Correlate needed for IRP511, Users will be unable to configure the Alert, and the response returned by Parse & Correlate will not be meaningfully translated in English.

Equally, without the changes relating to CRP535 the Historic Device Log on the CHF cannot be read for diagnostic purposes during Installation and Configuration (I&C).

The DSP and the P&C part of the IRP511 and CRP535 will allow the full use of functionality in the GBCS3.2 and SMETS2 v4.2 devices.