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<b>Paper Reference:</b>	<b>SECP_74_1511_21</b>
<b>Action:</b>	<b>For Decision</b>

## DP093 Problem Statement

### 1. Purpose

Draft Proposal [DP093 'Implementing IRP511 and CRP535 to support GBCS v3.2 devices'](#) was raised by the DCC and has undergone the Development Stage. The Change Sub-Committee believes this Draft Proposal is ready to be converted to a Modification Proposal. This paper sets out our proposed approach for progressing this modification for the Panel's approval. We are recommending that this modification be progressed to the Refinement Process, and that the Panel agrees the first package of work to be undertaken.

This paper provides a high-level summary of the key points. A copy of the problem statement submitted by the Proposer can be found in Appendix A.

### 2. Summary of the issue

In July 2019, BEIS designated an uplift of the GB Companion Specification (GBCS) to version 3.2 as part of the November 2019 SEC Release.

In order to fully deliver the functionality of two resolution proposals included in GBCS v3.2 (IRP511 'Set Clock Alerts Refs in Alert Tables Incorrect' and CRP535 'Restoring Removed Devices from the HAN'), consequential changes are required to the DCC User Interface Specification (DUIS) and Message Mapping Catalogue (MMC) schemas.

The amendments to the schemas had been intentionally left out of the November 2019 SEC Release in order to reduce any potential impact on testing for the SMETS1 Initial Operating Capacity (IOC).

### 3. Proposed progression

The Change Sub-Committee has agreed that this Draft Proposal is ready to be converted to a Modification Proposal and should be progressed to the Refinement Process.

We do not believe there needs to be discussion at a Working Group since these changes will merely be enabling those amendments made as part of a previous BEIS designation. As such there is little room to discuss differing solutions. However, it will be important to ensure the Technical Architecture and Business Architecture Sub-Committee (TABASC) and the Working Group are aware of the changes and any potential impacts on User systems.

Equally, a DCC Impact Assessment will be required since this Modification Proposal impacts the DCC Systems. The DCC has confirmed that a Preliminary Assessment will be required first, in order to determine the cost of the subsequent Impact Assessment.

### Work package and timetable

We propose the following first package of work to be undertaken during the Refinement Process:

Activity	Date
DCC to confirm PA estimates	Nov 19
Discussion with the TABASC	Jan 20
Discuss at January 2020 Working Group meeting	8 Jan 20
Update Panel on progress	14 Feb 20

### Areas of assessment

As part of the assessment of this modification's solution, we believe the following questions need to be answered in addition to the standard assessment areas:

#### 1. *What is the impact on Users?*

Consideration needs to be given as to when these changes will be scheduled and if there will be any impact on Users when implementing these changes. The impact of not making the amendments is clearly set out, but it should be ensured there are no unforeseen issues with implementing the changes.

#### 2. *What are the costs of progressing and implementing this change?*

It is also important to gain clarification on the cost of implementing these changes. Since this Modification Proposal is enabling functionality of a previous BEIS designation, consideration should be given to who incurs:

- the cost of requesting an Impact Assessment under the Modifications Process; and
- any cost associated with delivering the schema changes.

## 4. Recommendations

The Panel is requested to:

- **AGREE** that DP093 is ready to be converted to a Modification Proposal;
- **AGREE** that MP093 should be progressed to the Refinement Process; and
- **AGREE** the first package of work and the timetable for MP093

Adam Lattimore,

SECAS Team, 8 November 2019

### Attachments:

- **Appendix A:** DP093 problem statement

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# DP093 ‘Implementing IRP511 and CRP535 to support GBCS v3.2 devices’ Problem statement – version 1.0

## About this document

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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

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

## What is the issue or problem identified?

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### 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?

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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.

## What are the views of the industry?

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### Views of the DCC

The DCC is supportive of making these changes. It also notes that a Preliminary Assessment and an Impact Assessment will be needed as part of the assessment of the Modification Proposal.

### Views of SEC Parties

No comments were received from Parties on this issue.

### Views of Panel Sub-Committees

No views from the Panel Sub-Committees were received on this issue.

### Views of the Change Sub-Committee

The Change Sub Committee understand the clear rationale for the change. It also noted that as part of the Modification Proposal, consideration needs to be given to what (if any) impact there will be on Parties as part of the update and when it should be scheduled.