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# MP081

## ‘Alignment of DUIS and CHISM to reflect current DCC Processing’

### Modification Report

Version 0.1

## About this document

This document is the Modification Report for [MP081 'Alignment of DUIS and CHISM to reflect current DCC Processing'](#). It provides detailed information on the background, issue, solution, costs, impacts and implementation approach. It also summarises the discussions that have been held and the conclusions reached with respect to this Modification Proposal.

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This document also has one annex:

- **Annex A** contains the redlined changes to the Smart Energy Code (SEC) required to deliver the proposed solution.

## 1. Summary

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At the Data Communications Company (DCC) Design Release Forum, and internal DCC review regarding incident resolution activity, a need for clarification of the DCC processing within the SEC has been highlighted. This clarification would align the SEC to reflect current DCC processing, mitigating possible issues arising due to DCC Users misunderstanding of the DCC Systems, and would prevent reoccurrence of already known issues.

This Modification Proposal seeks to align Appendix I 'CH Installation and Maintenance Support Materials' and Appendix AD 'DCC User Interface Specification' to reflect the processes the DCC currently perform.

This proposal will not impact on any SEC Parties, and implementation costs are limited to Smart Energy Code Administrator and Secretariat (SECAS) time and effort to update the SEC documentation. If approved, this proposal is targeted for the February 2020 SEC Release.

## 2. Background

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### Clarification of DCC processing

Following assurance at the DCC Design Release Forum with Customers, and an internal DCC review regarding incident resolution activity, a need to include clarification in the SEC around DCC processing was identified. This clarification should provide a detailed explanation of current DCC processing and align the SEC to reflect this. The DCC is concerned that points of detail that are not currently described could adversely affect User understanding of DCC Systems.

### What is the issue?

Without clarification of the current DCC Systems, Customers would observe unexpected behaviour and unsuccessful System responses. In some instances, incidents may occur due to lack of User understanding. If not amended, this is likely to lead to DCC Incidents which could otherwise be avoided.

The need for clarification of DCC processing description has been identified in two SEC Appendices: Appendix I 'CH Installation and Maintenance Support Materials' (CHISM) and Appendix AD 'DCC User Interface Specification' (DUIS).

Already there have been recorded issues due to lack of a defined unconfirmed Wide Area Network (WAN) Variant in table 3 in CHISM Annex E. The lack of information about the DCC Systems in DUIS have yet to create issue. However, it has been identified that if Service Request 8.14.2 does not accurately reflect the DCC Systems, then there is potential for Customer confusion. Furthermore, Local Delivery will not work without Service Request 6.15.1 and Service Request 6.21 on the Service Request Response List for Service Request Responses.

### 3. Solution

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#### Proposed Solution

##### CHISM

When a User sends Service Request 12.1 'Request WAN Matrix' to receive Smart Metering Wide Area Network (SM WAN) Coverage, in most cases they will receive an Availability Date and WAN Variant. However, in an exception case, the Communications Service Provider (CSP) for the South and Central regions may respond to a SM WAN Coverage request (CSPM-S1 or CSPM-S2) with an Availability Date for coverage but without being able to confirm the WAN Variant that will need to be used. The Data Service Provider (DSP) will take this data and returns the Availability Date and the value of the unconfirmed WAN Variant in the response to Service Request 12.1 'Request WAN Matrix'. WAN Variant will require an amendment to table 3 in CHISM Annex E, where it is defined as a space for CSP South & Central.

##### DUIS

##### *Unit error correction*

There has been an incorrect unit of measurement identified in Table 59 'Gas Threshold Matrix'. Data Item 'Block Threshold' has a Unit that needs to be changed from 'kWh' to 'Wh'.

##### *Additional Service Requests for Organisation Certificate tracking*

In the event of a Local Command delivery, the DCC requires the delivery of a number of responses to those locally delivered commands via Service Request 8.13 'Return Local Command Response'. For the DCC to track Organisation Certificates held on Devices in the case of local delivery of Service Request 6.15.1 and Service Request 6.21, these two Service Requests will need to be added to the list of Service Request Responses in DUIS Section 3.8.112.2 (Service Request 8.13).

##### *Changes to Service Request 6.24.2*

Additional information is needed under DUIS Section 3.8.77 'Retrieve Device Security Credentials (Device)' due to changes to DCC System Processing. This will describe the process where the DCC will check the contents of a response and update the Inventory and SMKI Repository if needed.

##### *Changes to Service Request 8.14.2*

Under the description of Service Request 8.14.2 'Communications Hub Status Update – Install No SM WAN' it has been identified that text should be added to better define current DCC System Processing. This would correct the Smart Metering Inventory so that a Communications Hub fitted in a 'no WAN Install' scenario can be correctly identified.

#### Legal text

The changes to the SEC required to deliver the proposed 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

No SEC Parties will be affected by the implementation of this modification, but will benefit from the clarity it provides.

### DCC System

There are no impacts on the DCC Systems as the proposed solution aligns the SEC to reflect the current DCC processes.

### SEC and subsidiary documents

The following parts of the SEC will be impacted:

- Appendix I 'CH Installation and Maintenance Support Materials'
- Appendix AD 'DCC User Interface Specification'

SECAS is investigating best approach for version control of Appendix AD upon implementation. This approach will be captured and presented to the Change Board when it performs it's vote.

### Other industry Codes

There are no impacts on any other industry Codes.

### Greenhouse gas emissions

There are no impacts on greenhouse gas emissions.

## 5. Costs

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### DCC costs

There are no DCC costs associated with this modification.

### SECAS costs

The estimated SECAS implementation costs to implement this modification is two days of effort, amounting to approximately £1,200. The activities needed to be undertaken for this are:

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

### SEC Party costs

There are no SEC Party costs expected to be incurred in implementing this modification.

## 6. Implementation approach

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### Recommended implementation approach

SECAS is recommending an implementation date of:

- **27 February 2020** (February 2020 SEC Release) if a decision to approve is received on or before 13 February 2020; or
- **25 June 2020** (June 2020 SEC Release) if a decision to approve is received after 13 February 2020 but on or before 11 June 2020.

The Proposer is seeking for this modification to be implemented as soon as possible. The February 2020 SEC Release is the next available SEC Release that this change can be included in.



## 7. Conclusions

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### Benefits and drawbacks

The Proposer has identified the following benefits and drawbacks in implementing this modification:

#### Benefits

- Clarification of the DCC processing within the SEC will mitigate any potential issues that may arise from the lack of DCC Users' understanding of the DCC Systems.

#### Drawbacks

- The Proposer has not identified any drawbacks to this modification.

### Proposer's rationale against the General SEC Objectives

#### Objective (a)<sup>1</sup>

The Proposer believes that MP081 will better facilitate SEC Objective (a) it will mitigate potential issues which could cause unexpected behaviour and unsuccessful System response.

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<sup>1</sup> a) Facilitate the efficient provision, installation, operation and interoperability of smart metering systems at energy consumers' premises within Great Britain;

## Appendix 1: Glossary

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

Glossary	
Acronym	Full term
CH	Communications Hub
CHISM	CH Installation Maintenance and Support Materials
CSP	Communications Service Provider
DCC	Data Communications Company
DSP	Data Service Provider
DUIS	DCC User Interface Specification
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
SM	Smart Metering
WAN	Wide Area Network



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