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# MP081 ‘Alignment of DUIS and CHISM to reflect current DCC Processing’

## Legal text – version 0.1

### About this document

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

These changes have been drafted against SEC Version 6.17.

## Appendix I 'CH Installation and Maintenance Support Materials'

### Add the following to CHISM Annex E3

#### E.3 Communications Hub WAN Variant Values

- E3.1 For the purpose of providing WAN Technology values for use with the 12.1 RequestWANMatrix Service Request as detailed in APPENDIX AD 'DCC User Interface Specification', Communications Hub WAN Variant values are listed in table 3

Table 3; Summary of all Communications Hub WAN Variants for use with Service Request 12.1

WAN Variant (DCC 1.3)	WAN Variant (DCC 2.0)	CSP Region
Standard 420	420	CSP North
Variant 450	450	CSP North
Cellular	Cellular	CSP South & Central
Cellular+Mesh	Cellular+Mesh	CSP South & Central
No Coverage Intended	No Coverage Intended	N/A
" " Space	" " Space	CSP South & Central

**To note: on Table 3, " " Space above, CSP South & Central will respond to a SMWAN Coverage request (CSPM- S1 or CSPM-S2) with an Availability Date for coverage but without confirming the WAN Variant that will need to be used.**

## Appendix AD 'DCC User Interface Specification Version 3.0'

### Amend the following in DUIS Section 3.8.1.2

GasThresholdMatrix Definition

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
BlockThreshold	Threshold between one block and the next. Up to 3 can be defined to match the corresponding prices.	sr:GasThresholdType minOccurs = 1 maxOccurs = 3 (xs:unsignedLong)	Yes	None	kWh
Index (Attribute of BlockThreshold)	Provides an ordering for the BlockThreshold elements. Unique and consecutive numbers starting at 1.	sr:range_1_3 (xs:positiveInteger from 1 to 3)	Yes	None	N/A

Table 1 : GasThresholdMatrix (sr:GasThresholdMatrix) data items

### Add the following new DUIS Section 3.8.77.4

#### 3.8.77.3 Specific Validation for this Request

No specific validation is applied for this Request, see clause 3.2.5 for general validation applied to all Requests.

#### 3.8.77.4 Additional DCC System Processing

Upon receipt of the successful Response from the Device, the DCC shall check the contents of the response against the Device Certificate details held in the Inventory and will automatically update the Inventory and the SMKI Repository if that Response indicates a different set of Device Certificates are in use on the device.

### Add the following to DUIS Section 3.8.104.2

#### 3.8.104.2 Specific Data Items for this Request

ReturnLocalCommandResponse Definition

Data Item	Description / Values	Type	Mandatory	Default	Units
OriginalRequestID	Concatenation of BusinessOriginatorID, BusinessTargetID and OriginatorCounter, separated	sr:RequestIDType  See <b>Error! Reference</b>	Device GBCS Response is not a Device	None	N/A

	by “.” in the original Service Request RequestID	<b>source not found.</b>	Alert: Yes  Otherwise: N/A		
DeviceGBCSResponse	Contents of the response to be returned to DCC – Contents will depend on the original command  Valid Set <ul style="list-style-type: none"> <li>See Table below if the GBCSPayload contains a Response</li> <li>See Table below if it contains a Device Alert</li> </ul>	xs:base64Binary	Yes	None	N/A

Table 2 : ReturnLocalCommandResponse (sr:ReturnLocalCommandResponse) data items

The following table lists the Service Requests Responses and Device Alerts needed by the DCC Systems from Users via the return Local Command Response Service Request if these are collected from execution of Local Commands on Devices. Note that a HHT will receive all Alerts / Responses from all HAN Devices whilst it is connected; these may or may not be related to the execution of Local Commands.

Service Request Responses
3.2 - Restrict Access For Change Of Tenancy
6.8 - Update Device Configuration (Billing Calendar)
<a href="#">6.15.1 – Update Security Credentials (KRP)</a>
6.15.2 - Update Security Credentials (Device)
<a href="#">6.21 – Request Handover of DCC Controlled Devices</a>
6.23 - Update Security Credentials (CoS)
8.7.1 - Join Service (Critical)
8.7.2 - Join Service (Non-Critical)
8.8.1 - Unjoin Service (Critical)
8.8.2 - Unjoin Service (Non-Critical)
8.11 – Update HAN Device Log
8.12.1 - Restore HAN Device Log
8.12.2 - Restore Gas Proxy Function Device Log

## 11.3 - Activate Firmware

### Add the following to DUIS Section 3.8.106.3

#### **3.8.106.3 Specific Validation for this Request**

For this Request, the general Authorisation Checks as defined below shall not be carried out.

- a Response Code of E5 as defined in clause 3.2.4 “Verify that the Service Request or Signed Pre-Command is applicable to the Device status”

Response Code	Response Code Description
E081401	The Device Type of the Device being notified is not CHF
E081402	The install date & time supplied is a future date
W081401	The CHF Device status is not ‘InstalledNotCommissioned’, which is the only valid status compatible with this Service Request.  <u>Note: Status of the Device for the CHF and the associated GPF will be updated to InstalledNotCommissioned if it is still in the Pending State</u>

### Add the following new DUIS Section 3.8.114.4

#### **3.8.114.3 Specific Validation for this Request**

No specific validation is applied for this Request, see clause 3.2.5 for general validation applied to all Requests.

#### **3.8.114.4 Additional DCC System Processing**

Where the CHF Device status is ‘Pending’ and response code W081401 is returned, the DCC shall update the CHF Device status to ‘InstalledNotCommissioned’. If the GPF Device status is also ‘Pending’ the DCC shall update the GPF Device status to ‘InstalledNotCommissioned’