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DP124 ‘Consequential changes to DUIS and MMC’

Legal text – version 0.1

About this document

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

This document contains the changes required to deliver the Proposed Solution.

Appendix AD ‘DCC User Interface Specification’

These changes have been redlined against Appendix AD version 3.1.

Amend Table 1.4.11.2 as follows:

Data Item	Description	Type	Mandatory	Valid Values
ServiceReference	Identifier that signals the particular Service Reference to DCC (and is driven from the User’s selection of Request)	sr:ServiceReference (See Error! Reference source not found.)	Yes	As per the Request
ServiceReferenceVariant	Identifier that signals the particular Service Reference Variant to DCC (and is driven from the User’s selection of Request)	sr:ServiceReferenceVariant (See Error! Reference source not found.)	Yes	As per the Request
DSPScheduleID	Schedule ID generated by the DCC Systems Valid Set: ≥ 0 and ≤ 1000000000000	sr:scheduleID (Restriction of xs:nonNegativeInteger)	Present for DCC Scheduled requests	See description
ThrottledAlertSequenceId	An optional data item that identifies that this Alert Code is currently subject to throttling by the DCC Data Systems. If this attribute is included in the Alert then it indicates the sequence number for this Alert message since Alert throttling began.	xs:unsignedInt	No	As per Table 43
ThrottledAlertCount	An optional data item used to indicate the number of Alerts that have been consolidated by DCC Data Systems since the last Alert was forwarded to the Service User.	xs:unsignedInt	No	As per Table 43
SMETS1SignedResponse	Message created and signed by the S1SP. It contains a SMETS1 Response or a SMETS1 Alert	sr:SMETS1SignedResponse (see clause Error! Reference source not found.)	Yes	See description

Amend Table 3.8.108.1 as follows:

Service Request Name	ReadDeviceLog	
Service Reference	8.9	
Service Reference Variant	8.9	
Eligible Users	Import Supplier (IS) Gas Supplier (GS) Other User (OU)	
Security Classification	Non Critical	
BusinessTargetID 1. Device Type applicable to this request	Electricity Smart Meter (ESME) Gas Smart Meter (GSME) Gas Proxy Function (GPF) Communications Hub Function (CHF) HAN Connected Auxiliary Load Control Switch (HCALCS) PrePayment Interface Device (PPMID)	
Can be future dated?	DSP	
On Demand?	Yes	
Capable of being DCC Scheduled?	No	
Command Variants applicable to this Request (Only one populated)	1 – Send (Non-Critical) 2 – Return for local delivery (Non-Critical) 3 – Send and Return for local delivery (Non-Critical)	
Common Header Data Items	See clause Error! Reference source not found.	
Data Items Specific to this Service Request	See Specific Data Items Below	
Possible responses from this Service Request	These are the possible responses applicable to this Service Request. Please see clause Error! Reference source not found. for more details on processing patterns 1. Acknowledgement 2. Service Response (from Device) – GBCSPayload 3. Response to a Command for Local Delivery Request – LocalCommand Format Also see Response Section below for details specific to this request	
Response Codes possible from this Service Request	See clause Error! Reference source not found. for Common Response Codes	
GBCS Cross Reference	Communications Hub Function	All Other Devices
GBCS v1.0 MessageCode	0x0004	0x0013
GBCS v1.0 Use Case	CCS05/CCS04	CS07
GBCS v2.0 MessageCode	0x010F	0x0013
GBCS v2.0 Use Case	CCS06	CS07
<u>GBCS v3.2 or later MessageCode</u>	<u>0x010F/0x00FE</u>	<u>0x0013</u>
<u>GBCS v3.2 or later Use Case</u>	<u>CCS06/ CCS07</u>	<u>CS07</u>
GBCS Commands - Versioning Details		

DCC System creates the following GBCS Commands or Response Codes based on the following combinations,			
Device Type	CHF		
GBCS version that pertains to the Device Model recorded in the SMI for the Business Target Device ID specified in the Service Request	GBCS v1.0	GBCS v2.0	<u>GBCS v3.2 or later</u>
DEFAULT - No specific XML criteria	CCS05/CCS04	CCS06	<u>CCS06</u>
<u>XML Criteria - XML data item ReadSecurityDetails included</u>	<u>E080902</u>	<u>E080902</u>	<u>CCS07</u>

Amend Section 3.8.108.2 as follows:

Data Item	Description / Values	Type	Mandatory	Default	Units
ExecutionDateTime	A User shall only add this Data Item to the Service Request where they require the Service Request to be executed at a future date and time. The UTC date and time the User requires the command to be executed on the Device <ul style="list-style-type: none"> Date-time in the future that is either <= current date + 30 days or the date = '3000-12-31T00:00:00Z' 	xs:dateTime	No	None	UTC Date-Time
<u>ReadSecurityDetails</u>	<u>This parameter is supplied if the User wishes to receive the CHF Device Log and the CHF Historic Device Logcurrent and historic device log available in the CHF.</u>	<u>sr:ReadSecurityDetails</u>	<u>No</u>	<u>None</u>	<u>None</u>

Amend Section 3.8.108.3 as follows:

~~No specific validation is applied for this Request, see See~~ clause 3.2.5 for general validation applied to all Requests and clause 3.10.2 for Execution Date Time validation and clause 3.10.2 for Execution Date Time validation.

<u>Response Code</u>	<u>Response Code Description</u>
<u>E080902</u>	<u>Check that if 'ReadSecurityDetails' is specified in the Service Request thenbut the Firmware Version recorded in the SMI for the Device mustis not-be at GBCS version 3.2 or later.</u>
<u>E080903</u>	<u>Check that if 'ReadSecurityDetails' is specified in the Service Request thenbut the Device Type mustis not-be a CHF</u>

Appendix AF 'Message Mapping Catalogue

These changes have been redlined against Appendix AF version 3.1.

Amend Section 5.101.2.1 as follows:

Data Item	CHF Response	Non-CHF Response
GBCSHexadecimalMessageCode	0x0004	0x0013
GBCS Use Case (for reference - not in header)	CCS05/CCS04	CS07
SupplementaryRemotePartyID	ra:EUI (see clause Error! Reference source not found.)	ra:EUI (see clause Error! Reference source not found.) Where originator is Unknown Remote Party or the target Device Type is HCALCS
SupplementaryRemotePartyCounter	xs:nonNegativeInteger	xs:nonNegativeInteger Where originator is Unknown Remote or the target Device Type is HCALCS Party

Table 1 : Read Device Log MMC Output Format Header data items – GBCS v1.0

<u>Data Item</u>	<u>CHF Response</u>	<u>Non-CHF Response</u>
<u>GBCSHexadecimalMessageCode</u>	<u>0x010F, 0x00FE</u>	<u>0x0013</u>
<u>GBCS Use Case Number</u> (for information only – not in header)	<u>CCS06, CCS07</u>	<u>CS07</u>
<u>SupplementaryRemotePartyID</u>	<u>ra:EUI</u> (see clause <u>2.4.1</u>)	<u>ra:EUI</u> (see clause <u>2.4.1</u>) <u>Where originator is Unknown Remote Party or the target Device Type is HCALCS</u>
<u>SupplementaryRemotePartyCounter</u>	<u>xs:nonNegativeInteger</u>	<u>xs:nonNegativeInteger</u> <u>Where originator is Unknown Remote or the target Device Type is HCALCS Party</u>

Table 2323-1 – Read Device Log MMC Output Format Header Data Items – GBCS v3.2

Amend Section 5.101.2.2 as follows:

Data Item	Description / Valid Set	Type	Units	Sensitivity
DeviceLogEntries	This is only present if the response code indicates a successful response. The element returns a list of DeviceLogEntry items from the Device, which may be empty	ra:DeviceLog List of DeviceLogEntry (maxOccurs = unbounded), as set out in Section 5.101.2.2.1 of this document	N/A	Unencrypted

CHFDeviceLog	If reading the comms hub Device log, this group is returned rather than DeviceLogEntries, which shall include all currently authorised Devices on the ZIGBEE PAN.	ra:CHFDeviceLogType List of CHFDeviceLogEntry (maxOccurs = 16), as set out in Section 5.101.2.2.2 of this document	N/A	Unencrypted
<u>CHFConnectedDeviceLog</u>	<u>If reading the CHF's current and historic device log, this group is returned. This holds the current and historic devices that are/were in the ZIGBEE PAN. If reading the CHF Device Log and CHF Historic Device Log, this group is returned. These Logs hold details for Devices that can establish Communications Links, or were previously able to (where all terms have their CHTS meaning).</u>	<u>ra:CHFConnectedDeviceLogType</u>	<u>N/A</u>	<u>Non-Sensitive</u>

Table 2-233: Read Device Log MMC Output Format Body data items

Add Section 5.101.2.3 as follows:

5.101.2.2.3 CHFConnectedDeviceLogType Data Items

GBCS3.2 or later

<u>Data Item</u>	<u>Description / Valid Set</u>	<u>Type</u>	<u>Units</u>	<u>Sensitivity</u>
<u>CHFCurrentConnectedDeviceLogEntry</u>	<u>List of Devices and their Security Details that are currently in the CHF Device Log.</u>	<u>List of CHFConnectedDeviceLogEntry (maxOccurs = 16), as set out in Section 5.101.2.2.4 of this document</u>	<u>N/A</u>	<u>Non-Sensitive</u>
<u>CHFHistoricConnectedDeviceLogEntry</u>	<u>List of Devices and their Security Details that are in the CHF Historic Device Log.</u>	<u>List of CHFConnectedDeviceLogEntry (maxOccurs = 16), as set out in Section 5.101.2.2.4 of this document</u>	<u>N/A</u>	<u>Non-Sensitive</u>

Table 3235-1 - CHFConnectedDeviceLogType Data Items

Add Section 5.101.2.4 as follows:

5.101.2.2.4 CHFConnectedDeviceLogEntry Data Items

GBCS3.2

<u>Data Item</u>	<u>Description / Valid Set</u>	<u>Type</u>	<u>Units</u>	<u>Sensitivity</u>
<u>DeviceID</u>	<u>The device identifier.</u>	<u>ra:EUI</u>	<u>N/A</u>	<u>Non-Sensitive</u>
<u>DeviceSecurityDetails</u>	<u>Where a TC Link Key between the CHF and the Device with this Device ID had been established previously, this field shall contain a Hash of that TC Link Key. Otherwise this field shall contain an empty string.</u>	<u>Restriction of xs:string (maxLength = 32)</u>	<u>N/A</u>	<u>Non-Sensitive</u>

Table 4235-2- CHFConnectedDeviceLogEntry Data Items