

# DUIS Changes Based on DUIS 3.1

## Changes to Service Request 8.9

### Section 3.8.108.1 Service Description

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 <a href="#">Error! Reference source not found.3.4.1.1</a>	
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 <a href="#">Error! Reference source not found.3.5</a> 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 <a href="#">Error! Reference source not found.3.5.10</a> 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
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	<a href="#">GBCS v3.2</a>
DEFAULT - No specific XML criteria	CCS05/CCS04	CCS06	<a href="#">CCS06</a>
<a href="#">XML Criteria - XML data item ReadHistoric included</a>	<a href="#">E080902</a>	<a href="#">E080902</a>	<a href="#">CCS07</a>
Device Type	ESME		
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	
DEFAULT - No specific XML criteria	CS07	CS07	
Device Type	GSME		
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	
DEFAULT - No specific XML criteria	CS07	CS07	
Device Type	GPF		
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	
DEFAULT - No specific XML criteria	CS07	CS07	
Device Type	HCALCS		
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	
DEFAULT - No specific XML criteria	CS07	CS07	
Device Type	PPMID		
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	
DEFAULT - No specific XML criteria	CS07	CS07	

## Section 3.8.108.2 Specific Data Items for this Request

### ReadDeviceLog Definition

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"><li>Date-time in the future that is either &lt;= current date + 30 days or the date = '3000-12-31T00:00:00Z'</li></ul>	xs:dateTime	No	None	UTC Date-Time
<u>ReadHistoric</u>	<u>This parameter is supplied if the User wishes to receive the current and historic device log available in the CHF.</u>	<u>sr:ReadHistoric</u>	<u>No</u>	<u>None</u>	<u>None</u>

Table **1243** : ReadDeviceLog (sr:ReadDeviceLog) data items

## Adding a new Section 3.8.108.3 Specific Validation for this Request

### 3.8.108.3 Specific Validation for this Request

See clause 3.2.5 for general validation applied to all Requests.

<u>Response Code</u>	<u>Response Code Description</u>
<u>E080902</u>	<u>Check that if 'ReadHistoric' is specified in the Service Request then the Firmware Version recorded in the SMI for the Device must be at GBCS version 3.2 or later.</u>
<u>E080903</u>	<u>Check that if 'ReadHistoric' is specified in the Service Request then the Device Type must be a CHF</u>

# MMC Changes Based on MMC 3.1

## Changes to Service Request 8.9

### Section 5.101.2.1 Specific Header Data Items

Add a new table for GBCSv3.2

GBCS v3.2:

<u>Data Item</u>	<u>CHF Response</u>	<u>Non-CHF Response</u> (N/A to SMETS1)
<u>GBCSHexadecimalMessageCode</u>	<u>010F, 00FE</u>	<u>0013</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 <b>Error!</b> <u>Reference source not found.2.4.1</u> )	<u>ra:EUI</u> (see clause <b>Error! Reference source not found.2.4.1</b> ) Where originator is Unknown Remote Party or the target Device Type is <u>HCALCS</u>
<u>SupplementaryRemotePartyCounter</u>	<u>xs:nonNegativeInteger</u>	<u>xs:nonNegativeInteger</u> Where originator is Unknown Remote or the target Device Type is <u>HCALCS Party</u>

**Table 233-1 – Read Device Log MMC Output Format Header Data Items – GBCS v3.2**

### Section 5.101.2.2 Specific Body Data Items

Adding a new optional data item

<u>Data Item</u>	<u>Description / Valid Set</u>	<u>Type</u>	<u>Unit s</u>	<u>Sensitivity</u>
<u>DeviceLogEntries</u>	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	<u>ra:DeviceLog</u>  List of DeviceLogEntry (maxOccurs = unbounded), as set out in Section <b>Error! Reference source not found.5.101.2.2.1</b> of this document	<u>N/A</u>	<u>Unencrypted</u>
<u>CHFDeviceLog</u>	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.	<u>ra:CHFDeviceLogType</u>  List of CHFDeviceLogEntry (maxOccurs = 16), as set out in Section <b>Error! Reference source not found.5.101.2.2.2</b> of this document	<u>N/A</u>	<u>Unencrypted</u>
<u>CHFConnectedDeviceLog</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.	<u>ra:CHFConnectedDeviceLogType</u>	<u>N/A</u>	<u>Non-Sensitive</u>

**Table 234 : Read Device Log MMC Output Format Body data items**

### Adding a new Section 5.101.2.2.3

#### 5.101.2.2.3 CHFConnectedDeviceLogType Data Items

##### GBCS3.2

<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 3236-1 - CHFConnectedDeviceLogType Data Items**

### Adding a new Section 5.101.2.2.4

#### 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</u>	<u>N/A</u>	<u>Non-Sensitive</u>

**Table 4236-2- CHFConnectedDeviceLogEntry Data Items**