# 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 3.4.1.1 |
| **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 3.5 for more details on processing patterns1. 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 3.5.10 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 | GBCS v3.2 |
| DEFAULT - No specific XML criteria | CCS05/CCS04 | CCS06 | CCS06 |
| XML Criteria - XML data item ReadSecurityDetails included | E080902 | E080902 | CCS07 |
|  |
| 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 * 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 |
| ReadSecurityDetails | This parameter is supplied if the User wishes to receive the current and historic device log available in the CHF. | sr: ReadSecurityDetails | No | None | None |

Table 1 : ReadDeviceLog (sr:ReadDeviceLog) data items

### Update 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 and clause 3.10.2 for Execution Date Time validation

|  |  |
| --- | --- |
| **Response Code** | **Response Code Description** |
| E080902 | Check that if ‘ReadSecurityDetails’ 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.  |
| E080903 | Check that if ‘ReadSecurityDetails’ is specified in the Service Request then the Device Type must be a CHF |

* 1.

# 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 or later

GBCS v3.2 or later:

| Data Item | CHF Response  | Non-CHF Response |
| --- | --- | --- |
| GBCSHexadecimalMessageCode | 0x010F, 0x00FE | 0x0013 |
| GBCS Use Case (forreference – not in header) | CCS06, CCS07 | CS07 |
| SupplementaryRemotePartyID | ra:EUI(see clause2.4.1) | ra:EUI(see clause2.4.1) 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 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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:DeviceLogList 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:CHFDeviceLogTypeList of CHFDeviceLogEntry (maxOccurs = 16), as set out in Section 5.101.2.2.2 of this document | N/A | Unencrypted |
| CHFConnectedDeviceLog | * 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.
 | ra:CHFConnectedDeviceLogType  | N/A | Non-Sensitive |

Table 2 : 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 or later

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

Table 3-1 - CHFConnectedDeviceLogType Data Items

### Adding a new Section 5.101.2.2.4

**5.101.2.2.4 CHFConnectedDeviceLogEntry** **Data Items**

| GBCS3.2 or laterData Item | Description / Valid Set | Type | Units | Sensitivity |
| --- | --- | --- | --- | --- |
| DeviceID | The device identifier. | ra:EUI | N/A | Non-Sensitive |
| DeviceSecurityDetails | 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. | Restriction of xs:string(maxLength = 16) | N/A | Non-Sensitive |

Table 4-2- CHFConnectedDeviceLogEntry Data Items