**DCC User Interface Specification (DUIS) – Release Note**

**Version 3.1: Release Note**

**7th June 2019**

Release Note

This release note accompanies but does not form part of DCC User Interface Specification V3.1 (DUIS). It lists the principal changes and updates to DUIS.

# *Summary of main changes DUIS V3.1*

The sections of DUIS V3.1 listed in the table below incorporate the principal changes made.

| **SECTION** | **Section Heading** | **Specific Change Point** |
| --- | --- | --- |
| 1. Introduction |
|  | 1.1 Document Purpose | No changes made |
|  | 1.2 Document Structure | No changes made |
|  | 1.3 Defined Terms | No changes made |
|  | 1.4 Variation of requirements in relation to SMETS1 Devices | Added new row for SR6.7, E060701 to detail the Alternative Validation Conditions for SMETS1 Service RequestsOther variations in SMETS1 Service Request processing updated for SR6.7  |
| 2. The Interface |
|  | 2.1 Connection Mechanisms | No changes made |
|  | 2.2 Establishment of Logical Connection | No changes made |
|  | 2.3 Time | No changes made |
|  | 2.4 Web Services  | No changes made |
|  | 2.5 Service Request Processing | No changes made |
|  | 2.6 Messaging Features | No changes made |
|  | 2.7 HTTP Response Codes | No changes made |
|  | 2.8 Response Codes | No changes made |
|  | 2.9 DCC Alerts | No changes made |
|  | 2.10 Error Handling | No changes made |
| 3. Messages sent over the Interface |
|  | 3.1 Service Request Matrix | No changes made |
|  | 3.2 Access Control | No changes made |
|  | 3.3 Key Cryptographic Operations | No changes made  |
|  | 3.4 Requests | No changes made |
|  | 3.5 Responses | No changes made |
|  | 3.6 Device Alerts and DCC Alerts | N8 change in duration to 36 months Pending Device status removalN58 new alert for ED when ALCS/HCALCS setting change on ESME |
|  | 3.7 Target Response Times | No changes made |
|  | 3.8 Service Request Definitions | SR 6.7 UpdateDeviceConfiguration(GasFlow)SR 6.13 ReadEventOrSecurityLogSRV 6.14.1 UpdateDeviceConfiguration (AuxiliaryLoadControlDescription)SRV 6.14.2 UpdateDeviceConfiguration (AuxiliaryLoadControlScheduler)SR 6.28 (GBCS Defect correction)SR 7.7 ReadAuxiliaryLoadSwitchDataSR 8.13 Return Local Command ResponseSRV 8.14.3 CommsHubStatusUpdate-FaultReturnSRV 8.14.4 CommsHubStatusUpdate-NoFault Return |
|  | 3.9 DCC Alert Messages | Table 262 DCC Alert Data itemsTable 265 Device Status Change data itemsTable 297a New table setting out ALCSHCALCS Configuration change data items |
|  | 3.10 Data Types Shared Across Service Requests | No changes made |
| Annex |
|  | Annex A - DUIS XML Schema | Updated DUIS XML Schema |
|  | PLEASE NOTE: Compatible MMC Schema  | MMC V3.1 |
| Various |
|  |  | Corrected formatting. |
|  | DUIS V3 draft uplift to include SECMOD008 | The following changes are corrections to make the document match the XML schema for SECMOD008:Section 3.9.1 Added XML parent element QuarantinedRequest to Table 262. Moved XML child elements for AD Breach to section 3.9.17.Section 3.9.17 Renamed ‘QuarantinedRequest’.Section 3.9.17.1 Added XML child elements for AD Breach (moved from section 3.9.1) at table 296a. Corrected cross reference to 3.10.1.1. |

Release Note: Table of Section Changes made.

## ***Narrative Summary of changes made, linked to SEC Modification***

**SEC Modification 23 - Correct Units for Uncontrolled Gas Flow Rate**

1. SR 6.7 Service Description GBCS Cross Reference Text and GBCS Commands Versioning Details.
2. Table 170 updated : UpdateDeviceConfigurationGasFlow (sr:UpdateDeviceConfigurationGasFlow) data items.
3. Specific validation for this service request has a new Error Validation Code, E060701, this error code “The GBCS version that pertains to the Device Model recorded in the SMI for this Device doesn’t support the requested value format for Uncontrolled Gas Flow Rate.”
4. For the new Error Validation Code, E060701, Table 2 in section 1.4.6 updated to detail the alternative validation condition for SMETS1.
5. The new data Item of SR6.7 UncontrolledGasFlowRateDecimal is not supported for SMETS1. Section 1.4.7.10 updated to detail the variations in SMETS1 service request processing.

Relevant Schema Change:

1. New data item <UncontrolledGasFlowRateDecimal> added as <choice> for < UncontrolledGasFlowRate>,

*<xs:choice>*

 *<xs:element name="UncontrolledGasFlowRate" type="xs:unsignedShort"/>*

 *<xs:element name="UncontrolledGasFlowRateDecimal">*

 *<xs:simpleType>*

 *<xs:restriction base="xs:decimal">*

 *<xs:minInclusive value="0.0000"/>*

 *<xs:maxInclusive value="6.5535"/>*

 *<xs:fractionDigits value="4"/>*

 *</xs:restriction>*

 *</xs:simpleType>*

 *</xs:element>*

*</xs:choice>*

1. New < ResponseCode> “E060701” added

*<xs:enumeration value="E060701"/>*

**SEC Modification 25 - Electricity Network Party Access to Load Switching Information**

1. Table 41 : DCC Alert Codes, N58.
2. Table 42 : DCC Alert Codes / Response Codes cross-reference, N58.
3. SRV 6.13 ReadEventOrSecurityLog, 3.8.63.3 Specific Validation for this Request - Error Code E061304. “ED User Role is eligible to read this log only where the GBCS version that pertains to the Device Model recorded in the SMI for this Device is GBCS v3.2”.
4. SRV 6.14.1 UpdateDeviceConfiguration(AuxiliaryLoadControlDescription), under 3.8.64.4 Additional DCC System Processing, New Alert N58 described.
5. SRV 6.14.2 UpdateDeviceConfiguration (AuxiliaryLoadControlScheduler), under 3.8.65.4 Additional DCC System Processing, New Alert N58 described.
6. SRV 7.7 Service Description adds Electricity Distributor to Eligible Users.
7. SRV 8.13 Return Local Command Response, added SR6.14.1 and SR6.14.2 into the “Service Request Responses” table in section 3.8.112.2
8. 3.9 DCC Alert Messages, amendment at Table 262 and inserts new Table 297a.

Relevant Schema Change:

1. New Data Item added within the <DCCAlert>

 *<xs:element name="ALCSHCALCSConfigurationChange" type="sr:ALCSHCALCSConfigurationChange"/>*

1. New Data Type <ALCSHCALCSConfigurationChange> added

*<xs:complexType name="ALCSHCALCSConfigurationChange">*

 *<xs:sequence>*

 *<xs:element name="ESMEDeviceID" type="sr:EUI"/>*

 *</xs:sequence>*

*</xs:complexType>*

1. New <DCCAlertCode> item N58 added

<xs:enumeration value="N58"/>

**SEC Modification 39 - Communication Hubs Notification Mechanism for other SEC Parties**

1. SRV 8.14.3 CommsHubStatusUpdate-FaultReturn Service Description adds RSA to Eligible Users.
2. Updated 3.8.115.3 Specific Validation for this Request describes validation check against Response Code E5 for RSA role only.
3. Deletion of text against W081401 for clarity.
4. SRV 8.14.4 CommsHubStatusUpdate-NoFaultReturn Service Description adds RSA to Eligible Users.
5. Updated 3.8.116.3 Specific Validation for this Request describes validation check against Response Code E5 for RSA role only.
6. Deletion of text against W081401 for clarity.

**SEC Modification 60 - Amend requirements to remove ‘Pending’ devices from SMI**

1. Table 41 : DCC Alert Codes N8 amended to 36 months (was 12).
2. Table 265: Change duration for Device in a status of ‘pending’ for > 36 months (was 12).

## ***Correction of DUIS defect***

## **Service Request 6.28 Set CHF Sub GHz Configuration**

1. For ‘Limited LimitedCriticalDutyCycleThreshold, under ‘Type’ text in DUIS document and Schema to be amended to read ‘Exclusive’ not ‘Inclusive’ : Restriction of xs:decimal (fractionDigits = 1, minExclusive = 1.5, maxExclusive = 2.5).

Relevant Schema Change:

*<xs:element name="LimitedCriticalDutyCycleThreshold">*

 *<xs:simpleType>*

 *<xs:restriction base="xs:decimal">*

 *<xs:minExclusive value="1.5"/>*

 *<xs:maxExclusive value="2.5"/>*

 *<xs:fractionDigits value="1"/>*

 *</xs:restriction>*

 *</xs:simpleType>*

 *</xs:element>*

# *Known future documentation defects*

1. SUBJECT TO SEC MODIFICATION:

ITEM 1: Additional DCC system processing for Service Request 8.14.2. 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’.

1. ITEM 2: The Service Requests Responses for SR6.15.1 and SR6.21 are needed by the DCC Systems from Users via the return Local Command Response Service Request (SR8.13) if these are collected from execution of Local Commands on Devices. These should be included for SR8.13 in Page 419, “Service Request Responses” table.