

# **DCC Guidance Document**

## **DUIS/MMC v5.2 Release Guidance**

- DUIS/MMC v5.2

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**1.0**

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**Release Guidance Notes**

## Revision History

Revision Date	Summary of Changes	Version Number
11/04/2023	Initial Draft	0.1
12/05/2023	Updates following final document issue	0.2
18/05/2023	Updated following internal review	0.3
19/05/2023	Added MMC notes as per review comments	0.4
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# 1 DUIS v5.2 Release Guidance Notes

## 1.1 Background

As part of the June 2023 SEC Release, updated versions of the DCC User Interface Specification (DUIS) and Message Mapping Catalogue (MMC) will be designated into the Smart Energy Code and made available to Users for use.

The proposed implementation dates for the June 2023 SEC Release and the Enduring Change of Supplier (ECoS) change programme aligned within the same window of Summer 2023.

As both of these change programmes proposed changes to the DUIS, the next version of the interface (DUIS v5.2) was designed by DCC to support changes arising from the scope of both change sets in order to minimise change impacts for both DCC and Users.

- a. SEC Modifications targeted for the June 2023 SEC Release.
  - Including updates associated with MP125, MP220
- b. the Enduring Change of Supplier (ECoS) service
  - Updates for Alert N26 – *Update Security Credentials (CoS)– access control failure*

The changes associated with each change programme were therefore consolidated and include in a single updated version of DUIS at version 5.2.

Note that in the June 2023 SEC Release, the ECoS programme goes live along with changes implemented in DUIS 5.1.

DUIS v5.2 builds upon the November 2022 SEC Releases DUIS v5.1.

## 1.2 User Choice when to Implement DUIS v5.2

For avoidance of doubt, Users are not mandated to move to this new later version of DUIS v5.2 as part of the June 2023 SEC Release.

Users have a choice to implement this new version or not, and if not, can continue to use their existing DUIS interface version and benefit from the broader changes associated with the June 2023 SEC Release.

Where changes are listed in the sections below, the new / revised DUIS text is highlighted in red text.

## 1.3 Changes Implemented relates to SEC Modifications

The following changes relating to SEC Modifications have been included as part of DUIS & MMC v5.2 as they are approved for implementation as part of the June 2023 SEC Release:

- MP125 - Correcting Device Information for the ESME Variant
- MP220 - MMC Changes resulting from GBCS v4.1 Device Testing

## 1.4 DUIS v5.2 Change Summary

### 1.4.1 Section 1.4.7 - Other variations in SMETS1 Service Request processing

Section 1.4.7.16 - *Update Inventory SRV 8.4* has been added, to clarify the behaviour for MP125 regards a SMETS1 device and the response code that will be returned should it be attempted to update a SMETS1 device.

#### Descriptions added to DUIS

##### MP215

This clause is a supplement to clause 3.8.106.4

For SMETS1 Devices with Device Type ESME, the ESME Variant cannot be updated by the Registered Supplier Party for the MPAN associated with the Device if the Device has a status of 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'.

Where the Service Request relates to a SMETS1 ESME and is requesting such an update to the ESME Variant the DCC shall return a Response containing a Response Code of E080407.

### 1.4.2 Section 3.8 - Service Request Definitions

Table 231 – *UpdateInventory (st:UpdateInventory) data items* in Section 3.8.106.2 - *Specific Data Items for this Request, Data Item UpdatedDeviceDetails*: Removal of the need for the device to be in a 'Pending' status.

Update to section 3.8.106.3 – *Specific Validation for this Request* for Error Code E080407 updated to reflect that a device needs to be a valid state rather than 'Pending'.

#### Descriptions added to DUIS

#### DUIS 5.2

#### DUIS 5.1

##### MP215

The Device ID does not exist in the Smart Metering Inventory or its status is not valid for the requested update

E080407

E080407

Update to section 3.8.106.4 – *Additional DCC System Processing* to add additional clarification regards update of device details in the Smart Metering Inventory for Devices with Device Type ESME and that the ESME Variant can be updated by the Registered Supplier Party for the MPAN associated with the Device if the Device has a status of 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'. Additionally, the ESME Variant and other Device details can be updated by the User who originally added the Device to the Smart Metering Inventory whilst the Device has a status of 'Pending'. Further updates reflect that for all other Devices that have SMI Status values, only Devices in a status of 'Pending' can be updated.

## Descriptions added to DUIS

### MP215

For Devices with Device Type ESME, the ESME Variant can be updated by the Registered Supplier Party for the MPAN associated with the Device if the Device has a status of 'Whitelisted', 'Installed Not Commissioned' or 'Commissioned'.

The ESME Variant and other Device details can be updated by the User who originally added the Device to the Smart Metering Inventory whilst the Device has a status of 'Pending'.

For **all other** Devices that have SMI Device Status values, only Devices in a status of 'Pending' can be updated.

## 1.5 DUIS Changes Implemented with ECoS (Not part of June 2023 SEC Release)

### 1.5.1 3.9.8 – Change of Supplier

Section 3.9.8.1 – *Specific Data Items for this DCC Alert* has been updated to include an optional element for DCC Alert N26 referred to as 'ECoSErrorCode' to provide more information about the cause of the request failure when the Update Security Credentials (CoS) request was not processed successfully by the ECoS Party.

Descriptions added to DUIS	DUIS 5.2	DUIS 5.1
An optional element included as part of DCC Alert N26, to provide more information about the cause of the request failure when the Update Security Credentials (CoS) request was not processed successfully by the ECoS Party.	ECoSErrorCode	NA

### 1.5.2 Annex A – DUIS XML Schema

Annex A – *DUIS XML Schema* has been amended with a new DUIS XML schema which includes the DCC Alert N26 update for ECoS.

## 1.6 MMC v5.2 Change Summary

Section 4.2.1 *Message codes for Device Alerts* – Table 10 has been updated to address HCALCS alerts changes found during GBCS 4.1 testing by clarify the use of 0x012C – Firmware Distribution Receipt Alert (HCALCS) and its mapping to Alert Codes 0x8F72, 0x8F1C. Further clarifications are added to 4.2.2 - *Payload in Device Alerts* – Table 11.

Section 6.1 - *Firmware Verification Status (Alert Codes 0x8F1C and 0x8F72)* Table 248 also corrects this usage.

Additionally, Annex A – *MMC XML SCHEMA* is updated with the new MMC Schema v5.2.