

DCC Guidance Document

June 2023 SEC Release

- DUGIDS v5.2a

Change Summary

Version:	1.0
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Author:	DCC
Classification:	DCC Controlled

Revision History

Revision Date	Summary of Changes	Version Number
11/04/2023	Initial Draft	0.1
12/04/2023	Minor updates following review	0.2
10/05/2023	Updated following release of final DUGIDS document	0.3
19/05/2023	Updated following review	0.5
19/05/2023	Further updates	0.6
19/05/2023	Issued	1.0

Contents

1	Change Summary – DUGIDS v5.2a – June 2023 SEC Release	3
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1 Change Summary – DUGIDS v5.2a – June 2023 SEC Release

DUGIDS v5.2a – June 2023 SEC Release	
Document / Annex	Change Summary
General	<p>An updated “DCC User Gateway Interface Design Specification (DUGIDS)” document has been created and will be implemented as part of the June 2023 SEC Release.</p> <p>DUGIDS will be updated from the current version v5.1 to <u>a new v5.2a</u>.</p> <p>This uplifted DUGIDS version aligns with updates resulting from the following SEC Modifications:</p> <ul style="list-style-type: none"> ▪ MP125 - Correcting Device Information for the ESME Variant ▪ MP102B - Power Outage Alerts triggered by an OTA firmware upgrade - enduring solution ▪ MP220 - MMC Changes resulting from GBCS v4.1 Device Testing <p>Additionally, the document reflects the changes made for ECoS Programme regards the N26 alert.</p> <p>Note that in the June 2023 SEC Release, the ECoS programme goes live along with changes implemented in DUIS 5.1.</p> <p>This uplifted DUGIDS version aligns with the updates to the Technical Specifications that now include,</p> <ul style="list-style-type: none"> ▪ Great Britain Companion Specification (GBCS) - v4.2 ▪ Smart Metering Equipment Technical Specifications 2 (SMETS2) - November 2022 ▪ Communications Hub Technical Specification (CHTS) - v1.6
Main Document	<p>Additional section to 2.3 - <i>Modes of Operation</i>: 2.3.12 – <i>Power Outage Alerts</i> that explains how the Power Outage alerts following an OTA firmware update will function for SMETS2 ESME.</p> <p>Update to section 12.3 - <i>DCC Data Systems Response Codes</i> for Response Code E66, E67, E68, E69, E70, E71 reflecting the removal of notes describing ECoS functionality and notes on the Error Handling Strategy.</p>

	<p>Section 12.5 – <i>ECoS Alert Codes</i> for ECoS general updates</p> <p>Section 13 – <i>DCC Alerts</i> updates for N63, N65, removing the clarifying notes regards ECoS functionality</p> <p>Appendix 16 – <i>Changes for the ECoS Service</i>. Minor narrative changes.</p>
Service Request Definitions 1 - PMS	<p>Update to 1.1.1 - <i>Update Import Tariff (Primary Element) (1.1.1)</i> guidance notes regard to block thresholds and User obligations for both SMETS2+ and SMETS1.</p> <p>(Please refer to DCC Guidance Point 57 Block Threshold Population – Use of DUIS – v2.26)</p>
Service Request Definitions 2 – PS	<p>Update to 2.1 - <i>Update Prepay Configuration (2.1)</i> to clarify parameters in 1000th pence for SMETS2+ meters.</p> <p>Additional descriptions in 2.1.1 - <i>Service Request</i></p> <p>Updates to 2.1.1.3 - <i>UpdatePrepayConfigElectricity Data Items Definition</i> & 2.1.1.4 - <i>UpdatePrepayConfigGas Data Items Definition</i> to further clarify this behaviour.</p> <p>Section 2.1.1.26 - <i>Sample Request</i> gives an updated example with this number of significant digits</p> <p>(Please refer to DUIS Guidance Point 59 - Unit inconsistency for Max Credit Threshold and Maximum Meter Balance – Use of DUIS – v2.26)</p>
Service Request Definitions 4 – RS	<p>4.13 - <i>Read Prepayment Configuration (4.13)</i> section changes to reflect use of 5 significant digits for thresholds</p> <p>(Please refer to DUIS Guidance Point 59 - Unit inconsistency for Max Credit Threshold and Maximum Meter Balance – Use of DUIS – v2.26)</p>
Service Request Definitions 8 – DEMS	<p>Section 8.4 - <i>Update Inventory (8.4)</i> updates for MP125 to explain the allowable status of SMETS2+ ESME for an ESME Variant update and to clarify that SMETS1 changes remain only allowed for ESME in a 'Pending' status.</p> <p>Section 8.14 – <i>Communications Hub Status Update</i> validation notes to reflect CHF and GPF behaviour</p>
Service Request Definitions 11 – FS	<p>Section 11.1 <i>Update Firmware (11.1) Service Request Narrative (SMETS2 or later)</i> updates to reflect DCC system validation to check that OTA headers conform to GBCS Table 11.2.3 requirements for the construction of an OTA Upgrade Image.</p>

	<p><i>SMETS1 Service Request Narrative</i> clarification also added.</p> <p>Section 11.3 <i>Activate Firmware (11.3) Service Request Narrative (SMETS2 or later)</i> updates to explain Power Outage Alert suppression for SMETS2+ ESME for affected devices.</p> <p>Section 11.4 - <i>Update PPMID Firmware (11.4) Service Request Narrative (SMETS2 or later)</i> updates to reflect DCC system validation to check that OTA headers conform to GBCS Table 11.2.3 requirements for the construction of an OTA Upgrade Image.</p>
Service Request Definitions 15 - Device Alerts	<p>Section 15.3.1 - <i>Message codes for Device Alerts</i> to clarify use of Alert Codes 8F72, 8F1C for Message Code 012C - Firmware Distribution Receipt Alert (HCALCS).</p> <p>Section 15.3.3 - <i>Device Alerts With Additional Payload</i> updated to align with the above.</p> <p>Section 15.4.1.2 - <i>Specific Header Data Items</i> modified to clarify Electricity Alert (HCALCS)</p>
Service Request Definitions 16 - DCC Alerts	<p>Section 16.2.1 - <i>DCC Alert Message Response</i> updated to explain OTA Firmware AD1 alert suppression behaviour</p> <p>Section 16.2.1.2.7 - <i>ChangeOfSupplier</i> XML element changes for ECoSErrorCode added as well as Data Item definitions.</p> <p>Additional ECoS Error Codes for the N26 Alert have been added to a new table 15.1.</p> <p>Section 16.2.1.2.14 – <i>DualBandCHAlert</i>. Use case reference update.</p> <p>Section 16.2.1.3 - <i>Relationship between DCC Alert Codes and Response Codes</i> reflects the mapping of the N26 alert code to Response Codes.</p> <p>Sample DCC Alert Response formats have been updated to reflect these changes for Alert Code N26</p>
Error Handling Strategy (V5.2)	<p>Changes implemented for the June '23 SEC Release.</p> <p>Section 2.2 - <i>Error Handling Strategy procedures</i> has additions for procedures and response codes for E68, E69, E70, E71 and E66 & E67</p>