

Release Note Cover Page

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1 Release Summary

DUIS.0.8.2_181115	Description	Note
<i>DUIS for R1.2</i>	This covers IRPs agreed as at 30 th October 2015, and all relevant Change Requests that impact DCC User Interface Specification for Release 1.2	There is one issue for Users to note, (1) at Section 2.4 below.
MMC8.2_181115	Description	Note
<i>MMC for R1.2</i>	This aligns to DUIS 0.8.2_18.11.15 and all relevant Change Requests for Release 1.2	There is one issue for Users to note, (2) at Section 2.4 below.

The release note covers the delivery for DCC R1.2 as above and includes the following type of changes.

Type	Applicable
Major Release	YES
Schema	YES
<i>Defect Fixes</i>	<i>N/A</i>
<i>Patches</i>	<i>N/A</i>
<i>Upgrade</i>	<i>N/A</i>

2 Release Change notes (changes from DUIS and MMC 0.8.1 details)

2.1 Change Summary

Service Request and Response definitions

General – of the 115 Service Reference Variants included in DUIS and MMC v0.8.1;

Service Reference Variants with a **large** number of Service Request Definition changes - **3** (2.5%)

2.1	6.22	8.4			
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Service Reference Variants with a **medium** number of Service Request Definition changes - **9** (8%)

1.1.1	1.2.1	4.12.1	4.17	6.2.4	6.2.8
6.2.9	8.2	12.2			

Service Reference Variants with a **small** number of Service Request Definition changes - **38** (33%)

1.1.2	1.2.2	1.5	1.6	2.2	2.3
3.1	3.4	4.4.2	4.4.3	4.6.1	4.8.1
4.10	4.13	4.14	5.1	6.6	6.7
6.14.1	6.14.2	6.15.1	6.21	6.23	7.5
7.6	7.9	7.10	8.6	8.8.1	8.11
8.13	8.14.1	8.14.2	8.14.3	11.1	11.3
12.1	14.1				

Service Reference Variants with **no** Service Request Definition changes - **65** (56.5%)

1.7	2.5	3.2	3.3	3.5	4.1.1
4.1.2	4.1.3	4.1.4	4.2	4.3	4.4.4
4.4.5	4.6.2	4.8.2	4.8.3	4.11.1	4.11.2
	4.12.2		4.15	4.16	4.18
5.2	5.3	6.2.1	6.2.2	6.2.3	
6.2.5	6.2.7			6.4.1	6.4.2
6.5	6.8	6.11	6.12	6.13	6.15.2
6.17	6.18.1	6.18.2	6.20.1	6.20.2	6.24.1
6.24.2	6.25	7.1	7.2	7.3	7.4
7.7	7.8	7.11	7.12	8.1.1	8.3
8.5	8.7.1	8.7.2	8.8.2	8.9	8.12.1
8.12.2	8.14.4	9.1	11.2		

2.2 Full Detail of Key Changes Made to DUIS:

Ref	Section	Change Description
1	1.3	Updated some existing definitions, added a few new definitions for terms used within the document that were not previously defined for increased clarity.
2	2.2	Clarification that DCCKI is a set of documents and not a single document.
3	2.3	Clarification provided that all Time is as per UTC definition and that the XML Date and Time formats should reference this UTC definition with examples.
4	2.4	Corrected some incorrect cross references within the document to help readability.
5	2.5	Clarification of some definitions and cross referencing.
6	2.6	Confirmation that the Future Dated Response Pattern (DSP) only applies to Service Requests and NOT Signed Pre-Commands.
7	2.6	Addition of Response Code that is generated when max number of schedules per User is exceeded E050108 for clarity.
8	2.7	Confirmation of the expected DCC behaviour and wait period time for http response code 503.
9	2.1	Updates to recognise that the previously referenced Error Handling Strategy and associated procedure document is not now a SEC Subsidiary document so have referred to DCCs Error Handling Strategy Procedure Guidance document and provided a new definition.
10	general	Aligned use of terms of the following across the document in standard way for consistency: - BusinessTargetID - DCC Access Control Broker ID
11	3.4.1	Additional clarification provided for valid values for the RequestID data item in the Header Format for requests.
12	3.4.1	Additional clarification provided for the description and valid values for the FirstInSequence data item in the Header Format for requests.
13	3.4.4	Clarification provided in narrative for how Service Requests are received from an Unknown Remote Party (URP).
14	general	All references to "See GBCS" have been checked and updated as appropriate to provide more meaning and ability to cross reference, added actual DUIS XML data types where appropriate for the GBCS Payload data item as xs:base64Binary .
15	3.5.2	Clarifications provided within the narrative for defining Acknowledgements to a Request.
16	3.5.3	Clarifications provided within the narrative for Responses to a Non Device Service Request.
17	3.5.4	Clarifications provided within the narrative for Responses to Transform Request – PreCommand Format. Expanded definition of the PreCommand format with respect to GBCS Payload for clarity.
18	3.5.4	Update to valid values for GBCS Version data item to reduce ambiguity.

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Ref	Section	Change Description
19	general	Update to description for GBCS Payload data item to increase clarity of definition.
20	3.5.5	Clarifications provided within the narrative for Responses to a Command for Local Delivery Request – LocalCommand Format.
21	3.5.8	Clarifications provided within the narrative for Service Response (from Device) - DSPScheduledMessage Format.
22	3.5.9	Clarifications provided within the narrative for Service Response (from Device) - FutureDatedDeviceAlertMessage Format.
23	3.5.9	Update to valid values for FutureDatedAlertCode data item to align with GBCS v0.8.2 definition changes.
22	3.5.9	Update to description and valid values for InstructionNumber data item for increased clarity to reflect GBCS v0.8.2 updates and reduce ambiguity.
24	3.5.9	Update to description and valid values for TotalCommandInstructions data item for increased clarity to reflect GBCS v0.8.2 updates and reduce ambiguity.
25	3.5.10	Updates to recognise that the previously referenced Error Handling Strategy and associated procedure document is not now a SEC Subsidiary document so have referred to DCCs Error Handling Strategy Procedure Guidance document and provided a new definition.
25	3.6 All sections	General clarification of a few narrative words to reduce ambiguity.
26	3.6.2	Alert Code data item clarified so that XML passes GBCS Alert Code minus the 0x at the start as XML cannot pass values starting with 0. Clarification that the AlertCode definition uses a hexBinary representation for valid values.
27	3.6.3.4	DCC Alert Code N16 - Updated trigger for DCC Alert to reflect new Update MPxN functionality in SR8.4.
28	3.6.3.4	DCC Alert Code N24 - Updated trigger for DCC Alert to reflect changes from GBCS v0.8.2.
29	3.6.3.4	DCC Alert Code N25 - Updated AlertName and trigger for DCC Alert to reflect changes from GBCS v0.8.2.
30	3.6.3.4	Addition of new DCC Alert Code N42 - Security Credentials updated on the device to reflect changes from GBCS v0.8.2.
31	3.6.3.4	Addition of new DCC Alert Code N43 - PPMID Removal to reflect changes from GBCS v0.8.2.
32	3.6.4	Addition on 2 new DCC Alerts (N42 and N43) into the table of Response Codes for DCC Alerts.
33	3.8	General clarification added at start of SRDs to confirm that unless explicitly defined with the Type definitions, no restrictions are applied to the standard XSD Attributes and a User may use the full range of values as defined by that XML Type.
34	3.8 - SR	General, all Service Request definitions reviewed for alignment to associated Use Case definition updates as a result of GBCS v0.8.2 definitions.

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Ref	Section	Change Description
35	3.8 - SR	General – of the 115 Service Reference Variants included in DUIS v0.8.2 the following changes have been made set out below:
36	3.8 - SR	Service Reference Variants with a large number of Service Request Definition changes - 3 (3%) 2.1 -6.22 - 8.4
37	3.8 - SR	Service Reference Variants with a medium number of Service Request Definition changes - 5 (4%) 1.1.1 - 1.2.1 - 4.17 - 8.2 - 12.2
38	3.8 - SR	Service Reference Variants with a small number of Service Request Definition changes - 37 (32%) 1.1.2 - 1.2.2 - 1.5 - 1.6 - 2.2 - 2.3 - 3.1 3.4 - 4.4.2 - 4.4.3 - 4.6.1 - 4.8.1 - 4.10 - 4.14 - 5.1 - 6.6 - 6.7 - 6.14.1 6.14.2 - 6.15.1 - 6.21 - 6.23 - 7.5- 7.6 - 7.9 - 7.10 - 8.6 - 8.8.1 - 8.11 - 8.13 - 8.14.1- 8.14.2 - 8.14.3 - 11.1 - 11.3 - 12.1 - 14.1
39	3.8 - SR	Service Reference Variants with no Service Request Definition changes - 70 (61%) 1.7 - 2.5 - 3.2 - 3.3 - 3.5 - 4.1.1 - 4.1.2 - 4.1.3 - 4.1.4 -4.2 - 4.3 -4.4.4 - 4.4.5 - 4.6.2 - 4.8.2 - 4.8.3 - 4.11.1 - 4.11.2 4.12.1 - 4.12.2 - 4.13 - 4.15 - 4.16 - 4.18 - 5.2 5.3 - 6.2.1 - 6.2.2 -6.2.3 - 6.2.4 - 6.2.5 - 6.2.7 - 6.2.8 - 6.2.9 - 6.4.1 - 6.4.2 6.5 - 6.8 -6.11 - 6.12 - 6.13 - 6.15.2 - 6.17 - 6.18.1 - 6.18.2 - 6.20.1 - 6.20.2 - 6.24.1 - 6.24.2 - 6.25 - 7.1 - 7.2 - 7.3 - 7.4 7.7 - 7.8 - 7.11 - 7.12 - 8.1.1 - 8.3 - 8.5 - 8.7.1 - 8.7.2 - 8.8.2 - 8.9 - 8.12.1 - 8.12.2 - 8.14.4 - 9.1 - 11.2
40	3.9	DCC Alert Format for UpdateHANDeviceLogResult has slightly amended description as a result of changes from GBCS v0.8.2.
41	3.9	New DCC Alert format for SecurityCredentialsUpdated as a result of changes from GBCS v0.8.2.
42	3.9	New DCC Alert format for PPMID Removal as a result of changes from GBCS v0.8.2.
43	3.9.10	Change to DeviceAlertCode valid sets due to changes of Alert Definition in GBCS v0.8.2 and XML presentation of Alerts to drop leading 0x from GBCS Alert Code.
44	3.9.11	New section added to define the format of the new Security Credentials Updated DCC Alert format for DCC Alert Code N42.
45	3.9.12	New section added to define the format of the new PPMID Removal DCC Alert format for DCC Alert Code N43.
46	3.10.1	Updated description for RequestID to add clarity for pattern and valid values .
47	3.10.1	Updated description for ResponseIDType to add clarity for pattern and valid values .
48	3.10.1.2	New section for new shared data type ScheduleDatesAndTimeWithoutWildcards used in SR2.1.

Ref	Section	Change Description
49	3.10.2	Addition of new generic Response Code E1010 that may be applied to multiple Service Requests to replace previous Response Code E040402.
50	3.10.3	Addition of new generic Response Code E1010 that may be applied to multiple Service Requests to replace previous Response Code E040402.
51	DUIS XML Schema	Updated header information with new filename, version, date, etc. All references to domain name www.dcc.com have been removed and replaced with www.dccinterface.co.uk which is the domain name owned by DCC. General updates to attribute definitions for ambiguities, inconsistencies and misalignments to GBCS v0.8.2 resulting from uplift to new GBCS version.

2.3 Full Detail of Key Changes made to MMC

1-12 describes Service Requests affected by GBCS V.0.8.2 changes/other prioritised updates.

Ref	Section	Change Description
1	5.24	4.4.3 RetrieveBillingCalendarTriggeredBillingDataLog
2	5.27	4.6.1 RetrievalImportDailyReadLog
3	5.29	4.8.1 ReadActiveImportProfileData
4	5.35	4.12.1 ReadMaximumDemandImportRegisters
5	5.37	4.13 ReadPrepaymentConfiguration
6	5.41	4.17 RetrieveDailyConsumptionLog
7	5.46	6.2.4 ReadDeviceConfiguration(IdentityExcMPxN)
8	5.49	6.2.8 ReadDeviceConfiguration(Gas)
9	5.50	6.2.9 ReadDeviceConfiguration(PaymentMode)
10	5.62	6.15.1 UpdateSecurityCredentials(KRP)
11	5.71	6.23 UpdateSecurityCredentials(CoS)
12	5.100	14.1 RecordNetworkData(GAS)
13	6.2	Alert - Billing Data Log Updated (Alert Code 0x80F0A)
14	General	MMC now includes an overall statement regarding optionality of items within the MMC schema, which states that by default items are optional. All references to minOccurs = 0 (denoting optionality) within the definitions of the Service Responses has been removed. This is intended to improve clarity and make the exceptions more obvious.
15	General	All maxOccurs values in the schema have been shown in the document, this denotes the maximum number of occurrences for repeating items or groups.
16	General	Alert Codes have been updated throughout the document to reflect a change from the 0x80.. range to the 0x8F.. range.
17	General	The Timestamp has been included in several Service Response header definitions where it was previously incorrectly omitted in GBCS.
18	General	Scalars and multipliers have been aligned with DUIS. Either they are provided as separate items or where they have been applied automatically, this is stated within the MMC.

2.4 Two Issues awaiting Resolution

1. DUIS.0.8.2_181115: Potential change required to SR8.14.3 - CommsHubStatusUpdate—FaultReturn.

Potential missing data value in the CHFConnectionMethod data item. Currently 3 enumeration values are defined in the DUIS XML Schema; Hot-shoe, Cradle and ESME. It needs to be clear how this SR should be completed if the CHF has never been installed. Recommendation is to create 'not installed' data value. Impacts beyond DUIS interface (adding an extra enumeration value in the XML Schema would need to flow through down to CSP Management Interface and into Remedy) being actively explored to coordinate the required change.

2. MMC8.2_181115: Gas use case GCS21f refers. The principle is that where scalars are applied in the submission they should also be applied in the response. However, there is a lack of clarity in the Zigbee specification as to whether a scaler is applied in the device output or not which has been escalated to DECC colleagues and others but still unclear. Current assumption is that a scaler is applied in the device output.

3 Forecast Changes

3.1 Forecast Summary

Change Reference Number CR 160	Change Details
<i>Release 1.3</i>	DUIS.0.8.2_181115 will be uplifted to include relevant change requests scheduled as part of Release 1.3
Change Reference Number CR 160	Change Details
<i>Release 1.3</i>	MMC.0.8.2_181115 will be uplifted to align with DUIS and will include relevant change requests scheduled as part of Release 1.3

3.2 Forecast Change: additional information

Please note, as a design principle, forecast change is additive only, not corrective.

1. CR101a Part 2 – SMKI Recovery Application (DSP)
 - Introduces two new device states associated with the recovery process. Smart Metering Inventory affecting.
 - Requires extension to device status validation rules, plus extension to SR8.2 Read Inventory for new states.
 - May need to generate new DCC Alerts when status values change but still unclear of design.
 - Will need to have completed full design of this to be certain of DUIS impact.
2. CR118 - Certificate mapping checking
 - Likely to require new DCC Alert/s to be defined to notify supplier of invalid recovery certificate. Alternative solution could do this by reporting rather than Alert (cf CR094a).
 - Will need to have completed full design of this to be certain of DUIS impact.
3. TR008 - "On Demand" alignment for 24hr SR - Clarification words to describe the 24H On Demand pattern as being slightly different.
4. CR111 - Handling Suspended Devices - Clarification words to describe what happens if/when a device is 'unsuspended'.
5. This CR list for R1.3 has not yet been finalised so working at risk of change until this is finalised. DSP has not completed design of the above CRs, 1-4 above represent baseline projected position as at 13th November 2015.