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SECMP0024 ‘Enduring Approach to Communication Hub Firmware Management’

Legal text – version 0.1

About this document

This document contains the redlined changes to the SEC that would be required to deliver this Modification Proposal.

Appendix AD ‘DCC User Interface Specification’

These changes have been redlined against Appendix AD version 4.0.

These changes have been redlined on the basis that [SECMP0007 ‘Firmware updates to IHDs and PPMIDs’](#) will be implemented before SECMP0024. The new DCC Alert therefore follows on numerically from the Alerts introduced by SECMP0007.

Add DCC Alert N63 to Table 41 ‘DCC Alert Codes’:

N58	ALCS/HCALCS configuration change	ALCS/HCALCS configuration changed on ESME	<p>Upon successful completion of Service Request 6.14.2 Update Device Configuration (Auxilliary Load Control Scheduler)</p> <p>OR</p> <p>Upon successful completion of Service Request 6.14.1 Update Device Configuration (Auxilliary Load Control Descriptions)</p> <p>OR</p> <p>Upon successful completion of Service Request 6.14.3 Update Device Configuration (Auxiliary Controller Scheduler)</p> <p>OR</p> <p>Future Dated Execution Of Instruction Alert (DLMS COSEM) Alert (Alert Code 0x8F66 and Message Code 0x00CC) corresponding to AuxiliaryLoadControlSwitches Calendar received by the DCC Data Systems</p>	ED	SMETS 2+
<u>N63</u>	<u>Comms Hub Firmware Activation</u>	<u>Successful Comms Hub Firmware Activation</u>	<p><u>Response from Comms Hub to the Activate Firmware request (CS06) sent by the CSP via CSP Management Gateway.</u></p> <p><u>Response indicates new active firmware version.</u></p>	<u>IS GS</u>	<u>SMETS 2+</u>
N999	DUIS Version Mismatch	User’s DUIS version is incompatible with the DCC Alert or Service Response to be sent	The DCC Alert or Service Response is not compatible with the DUIS version used by the User	Recipient of the incompatible DCC Alert or Service Response	All

Table 41 : DCC Alert Codes

Add DCC Alert N63 to Table 42 ‘DCC Alert Codes / Response Codes cross-reference’

3.6.4 Relationship between DCC Alert Codes and Response Codes

The DCC shall populate one of the following Response Codes in each DCC Alert in accordance with the allowable Response Codes for each DCC Alert Code as detailed below.

Alert Code	Response Code
AD1	I0
N1	I0
N2	I0
N3	I0
N4	I0
N5	I0
N6	I0
N7	E1,E2,E3,E4,E5,E19,E56 (Please note this Response Code is not applicable to this version of DUIS), E57,E1007, E060502
N8	I0
N9	I0
N10	E30
N11	E31
N12	E20
N13	E21
N14	E43,E46,E47
N15	E44
N16	I0
N17	I0
N18	I0
N19	I0
N20	I0
N21	I0
N22	E20
N23	E21
N24	I0
N25	I0
N26	E1,E2, E3,E4,E5,E19,E1007,E062304
N27	I0
N28	I0
N29	I0
N30	I0
N31	I0
N33	I0
N34	I0
N35	I0
N36	I0
N37	I0
N38	I0
N39	I0
N40	I0
N41	I0

Managed by

Alert Code	Response Code
N42	I0
N43	I0
N44	I0
N45	I0
N46	I0
N47	I0
N48	I0
N49	I0
N50	I0
N51	I0
N52	I0
N53	E58
N54	I0 (for Alerts 0x8F21, 08F23, 0x8F25, 0x8F26, 0x8F27, 0x8F28, 0x8F2A), E59 (for Alerts 0x8F20, 08F22 , 0x8F24, 0x8F29, 0x8F2B, 0x8F2C, 0x8F2D)
N55	E62
N56	I0
N57	I0
N58	I0
<u>N63</u>	<u>I0</u>
N999	I0

Table 42 : DCC Alert Codes / Response Codes cross-reference

Add DCC Alert N63 to Table 262 ‘DCCAlert (sr:DCCAlert) data items’

Note, the reference to clause 3.9.20 in Table 262 below may need adjusting following the implementation of SECMP0007. This is due to SECM0007 adding sections that would consequently alter the numbering of this added section.

ALCSHCALCSConfiguration Change	The trigger event indicates the ESME's ALCS/HCALCS/APC configuration has changed	sr:ALCSHCALCSConfigurationChange (See clause 3.9.19)	N58	None	N/A
<u>CommsHubFirmwareActivation</u>	<u>Response from Comms Hub to the Activate Firmware request (CS06) sent by the CSP via CSP Management Gateway. Response indicates new active firmware version.</u>	<u>sr:CommsHubFirmwareActivation</u> (See clause 3.9.20)	<u>N63</u>	<u>None</u>	<u>N/A</u>
DUISVersionMismatch	The trigger event indicates that the DCC Alert or Service Response to be sent to the User is not compatible with their DUIS XSD version	sr:DUISVersionMismatch (See clause 3.9.16)	N999	None	N/A

Table 262 : DCCAlert (sr:DCCAlert) data items

Add 'Comms Hub Firmware Activation' section

Note, the section and table number below may change following the implementation of SECMP0007. This is due to SECM0007 adding sections that would consequently alter the numbering of this added section.

Also, the Table numbers in the remainder of the document will also need updating upon implementation.

3.9.20 Comms Hub Firmware Activation

3.9.20.1 Specific Data Items for this DCC Alert

CommsHubFirmwareActivation Data Items Definition

<u>Data Type / Data Item</u>	<u>Description / Allowable values</u>	<u>Type</u>	<u>Mandatory</u>	<u>Default</u>	<u>Units</u>
<u>CommsHubDeviceID</u>	<u>The Device ID of the Comms Hub that has successfully activated the firmware</u>	<u>sr:EUI</u> (See clause 3.10.1.3)	<u>Yes</u>	<u>None</u>	<u>N/A</u>
<u>TimeStamp</u>	<u>The time at which the Comms hub sent the firmware update response</u>	<u>xs:dateTime</u>	<u>Yes</u>	<u>None</u>	<u>N/A</u>
<u>FirmwareVersion</u>	<u>The current firmware version of the Comms Hub</u>	<u>sr:FirmwareVersion</u> (Restriction of <u>xs:string</u>)	<u>Yes</u>	<u>None</u>	<u>N/A</u>

Table 298 : CommsHubFirmwareActivation (sr: CommsHubFirmwareActivation) data items