This document is classified as **White** in accordance with the Panel Information Policy. Information can be shared with the public, and any members may publish the information, subject to copyright.

SECMP0024 'Enduring Approach to Communication Hub Firmware Management'

Annex B

Legal text – version 0.2

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 N64 to Table 41 'DCC Alert Codes':

N58	ALCS/HCALCS configuration change	ALCS/HCALCS configuration changed on ESME	Upon successful completion of Service Request 6.14.2 Update Device Configuration (Auxilliary Load Control Scheduler) OR Upon successful completion of Service Request 6.14.1 Update Device Configuration (Auxilliary Load Control Descriptions) OR Upon successful completion of Service Request 6.14.3 Update Device Configuration (Auxiliary Controller Scheduler) OR 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	ED	SMETS 2+
N64	Comms Hub Firmware Activation	Successful Comms Hub Firmware Activation	Upon receiving a Response from Comms Hub in response to the Activate Firmware request (GBCS Use Case CS06) sent by the CSP via DCC Data Systems.	All Responsible Suppliers	SMETS 2+
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 N64 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

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
N64	I0
N999	I0

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

Amend Section 3.9 'DCC Alert Messages' as follows:

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.

3.9 DCC Alert Messages

3.9.1 Specific Data Items in the DCC Alert Message

Each Alert Code being reported as a DCC Alert shall conform to the DCC Alert format as defined in 3.6.3 DCC Alerts - DCCAlertMessage Format. The DCC shall ensure that the Body of each DCC Alert (DCCAlert XML element) conforms to one of the~~se fourteen~~ DCC Alert formats as defined in the table below:

DCCAlert Definition

DCC Alert Format / Data Item	Description / Allowable values	Type	Mandatory for Alert Codes	Default	Units
PowerOutageEvent	The trigger event indicates that a device power has failed	sr:PowerOutageEvent See 3.9.2	AD1	None	N/A
DeviceStatusChangeEvent	The trigger event indicates that a Device's SMI Status has changed	sr:DeviceStatusChangeEvent See 3.9.3	N1, N2, N8, N9 , N16, N28 and N29, N44, N45	None	N/A
DSPScheduleRemoval	The trigger event indicates that a DCC Schedule is to be deleted	sr:DSPScheduleRemoval See 3.9.4	N4, N5, N6, N17, N37 and N40	None	N/A
CommandFailure	The trigger event indicates that a Command has failed	sr:CommandFailure See 3.9.5	N3, N7, N10, N11, N12, N13, N14, N15, N33, N34, N35, N36, N38, N41 and N53	None	N/A
FirmwareDistributionFailure	The trigger event indicates that a Firmware Distribution Command to the CSP has failed, at least for some of the Devices	sr:FirmwareDistributionFailure See 3.9.6	N18, N19, N20, N21, N22 and N23	None	N/A
UpdateHANDeviceLogResult	The trigger event indicates if a Command to Update a Communications Hub Whitelist Update. (addition ONLY) has succeeded or no Alert has been received by the DCC. .	sr:UpdateHANDeviceLogResult See 3.9.7	N24 and N25	None	N/A
ChangeOfSupplier	The trigger event indicates if an Update Security Credentials (CoS) has succeeded or has failed the CoS Party access control	sr:ChangeOfSupplier See 3.9.8	N26 and N27	None	N/A
DeviceLogRestored	The trigger event indicates that the CHF or GPF Device Log has been restored	sr:DeviceLogRestored (See clause 3.9.9)	N30, N31	None	N/A

DCC Alert Format / Data Item	Description / Allowable values	Type	Mandatory for Alert Codes	Default	Units
PPMIDAlert	The trigger event indicates an Alert has been generated by the PPMID Device	sr:PPMIDAlert (See clause 3.9.10)	N39	None	N/A
SecurityCredentialsUpdated	The trigger event indicates receipt of a success Response from Update Security Credentials where the Remote Party whose certificate has been placed on the Device is not the sender of the Service Request	sr:SecurityCredentials Updated (see clause 3.9.11)	N42	None	N/A
PPMID Removal	The trigger event is receipt of a successful Response from Update HAN Device Log (Removal) where the removed Device is a PPMID that was joined to both an ESME and the GSME	sr:PPMIDRemoval (See clause 3.9.12)	N43	None	N/A
QuarantinedRequest	The trigger event indicates that the Service Request has been quarantined, because an Anomaly Detection volume threshold or attribute limit has been breached	sr:QuarantinedRequest (See clause 3.9.17)	N46, N47, N48	None	N/A

FirmwareVersionMismatch	N49. The trigger event indicates there is a mismatch between the Device's Firmware Version in SMI and that returned by the Read Firmware Version Service Request and that the version returned by the Device matches an entry on the CPL with a status of "Current" N50. The trigger event indicates there is a mismatch between the Device's Firmware Version in SMI and that returned by the Read Firmware Version Service Request, the Activate Firmware Service Request or the Future Dated Firmware Activation Alert and that the version returned by the Device matches an entry on the CPL with a status of "Removed" N51. The trigger event indicates there is a mismatch between the Device's Firmware Version in SMI and that returned by the Read Firmware Version Service Request, the Activate Firmware Service Request or the Future Dated Firmware Activation Alert and the version returned by the Device doesn't match an entry on the CPL N52. The trigger event indicates there is a mismatch between the	sr:FirmwareVersionMismatch (See clause 3.9.13)	N49, N50, N51, N52.	None	N/A

DCC Alert Format / Data Item	Description / Allowable values	Type	Mandatory for Alert Codes	Default	Units
	GSME's Firmware Version in SMI and that returned by the Read Firmware Version Service Request where the target Device is GPF				

DCC Alert Format / Data Item	Description / Allowable values	Type	Mandatory for Alert Codes	Default	Units
DualBandCHAlert	The trigger event indicates an Alert has been generated by the Dual Band CHF Device	sr:DualBandCHAlert (See clause 3.9.14)	N54	None	N/A
S1SPAlertDSP	Used for conveying an S1SP Alert N55: The trigger event indicates that a SMETS1 Service Provider reports a Service Request validation error or other notification. N56: The trigger event is the provision of a prepayment top-up UTRN in response to a Service Request where SRV is 2.2	sr:S1SPAlertDSP (See clause 3.9.15)	N55, N56	None	N/A
SMETS1CHFirmwareNotification	See Clauses 1.4.7.13 and 1.4.7.14.	sr: SMETS1CHFirmware Notification (See clause 3.9.18)	N57	None	N/A
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
CommsHubFirmwareActivation	The trigger event indicates that a new version of Firmware has been activated on a SMETS2+ Comms Hub.	sr:FirmwareVersionUpdate (See clause 3.9.20)	N64	None	N/A
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 'CommsHub 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 CommsHub Firmware Activation

3.9.20.1 Specific Data Items for this DCC Alert

FirmwareVersionUpdate Data Items Definition

Data Type / Data Item	Description / Allowable values	Type	Mandatory	Default	Units
DeviceID	The Device ID of the Device for which a new Firmware Image has been activated.	sr:EUI (see Section 3.10.1.3 EUI)	Yes	None	N/A
FirmwareVersion	The version of the Firmware Image activated on the Device.	sr:FirmwareVersion (Restriction of xs:string)	Yes	None	N/A

Table 298: CommsHubFirmwareActivation (sr:FirmwareVersionUpdate) data items