MP117 'Bulk CH Returns'

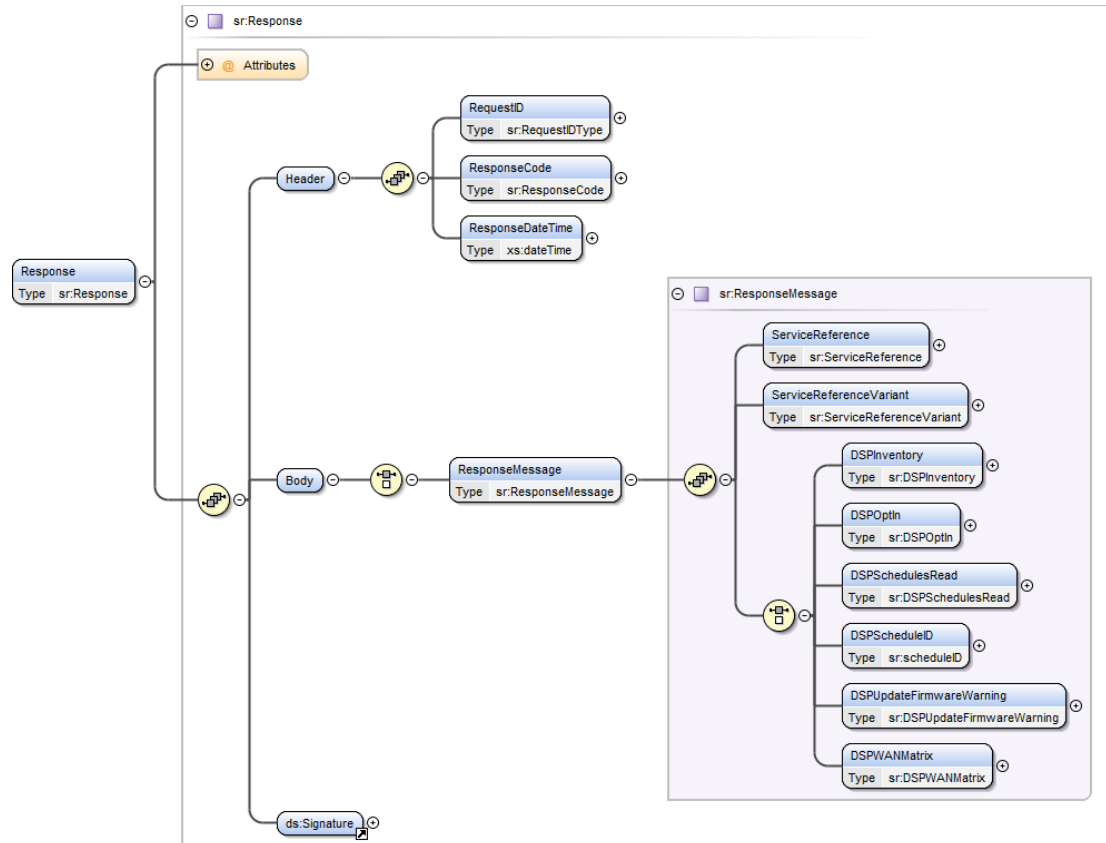# Annex B
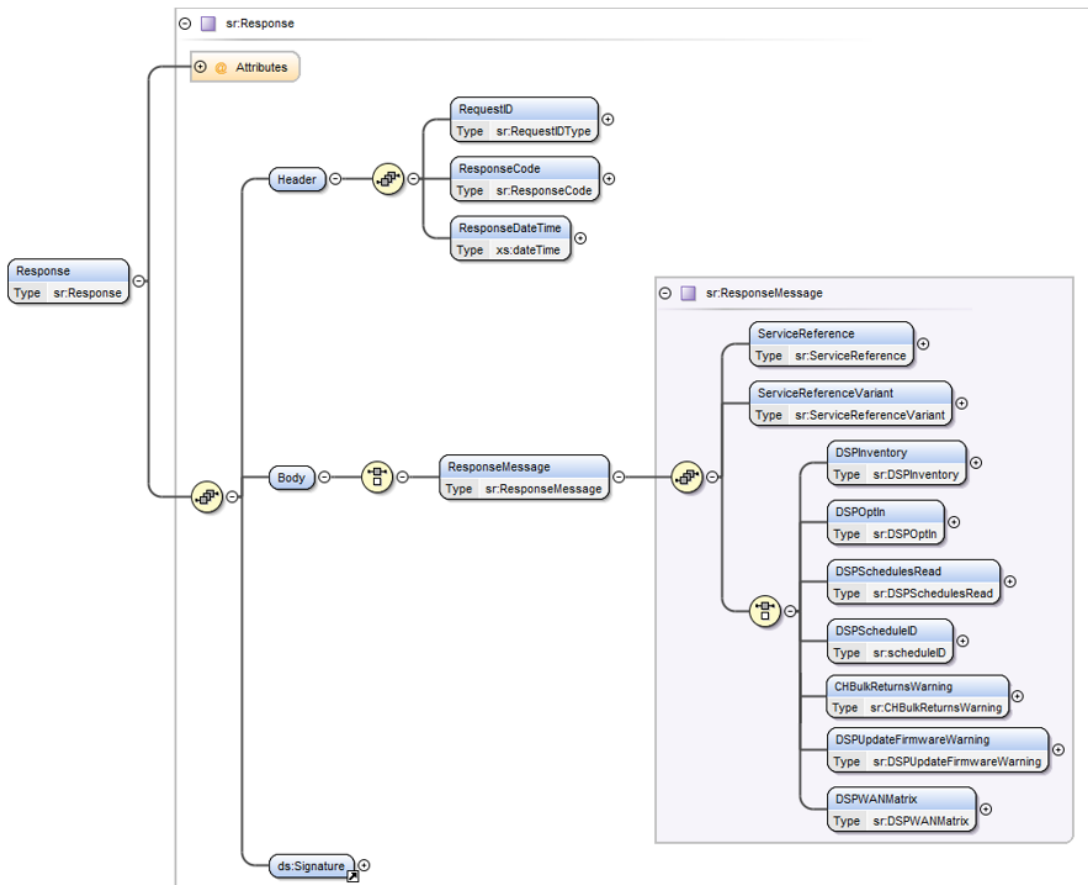
Legal text – version 0.1

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 'DCC User Interface Specification' (DUIS) version 4.1.

Amend Section 3.5.3 as follows:

Amend Section 3.8.120.2 as follows:

Data Item	Description / Values	Type	Mandatory	Default	Units
DeviceID	The device ID of the Communications Hub Returned (CHF)	sr:EUI (See clause 3.10.1.3)	~~Yes~~No	None	N/A
DeviceIDList	Comma separated list of Device IDs of the returned Communications Hubs. Containing a minimum of 1 Device ID and a maximum of 999 Device IDs, each as defined by sr:EUI.	Restriction of xs:string (min length = 23 Max length = 23975 pattern = "([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2},)*([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2})")	No	None	N/A

This document has a Classification of **White**

CHFFaultReturnType	Valid set: • Fault identified prior to installation • Fault identified post installation	sr:CHFFaultReturnType (Restriction of xs:string (Enumeration))	Yes	None	N/A
UserRefDateTime	An optional field to record User recorded time of activity or engineer job	xs:dateTime	No	None	UTC Date-Time
UserRefID	An optional field to record User reference for activity or engineer job	sr:UserRefID (Restriction of xs:string (maxLength = 25))	No	None	N/A
OtherDeviceID	The Device ID of the ESME/GSME associated with the CHF If there is no ESME or GSME associated with the CHF or when multiple Communications Hubs are being returned, OtherDeviceID should be populated with the CHF DeviceID omitted	sr:EUI (See clause 3.10.1.3)	~~Yes~~No	None	N/A

Amend Section 3.8.120.3 as follows:

Response Code	Response Code Description
E081405	The user reference date & time supplied is a future date
Where a single DeviceID attribute is provided the following shall apply:	
E5	The User Role is RSA and the CHF Device Status is not Pending
E081401	The Device Type of the Device being notified is not CHF
W081401	The CHF Device status is not 'Decommissioned'.
Where a DeviceIDList attribute is provided the following validation checks shall apply for each Device in the list:	
W081402	The Comms Hub Bulk Returns Warning contains lists of Device IDs for which the following validation checks failed for each Device ID. • The User Role is RSA and the CHF Device Status is not Pending • The Device Type of the Device being notified is not CHF • The CHF Device status is not 'Decommissioned'

Add Section 3.8.120.1 'Specific Data Items in the Response' as follows:

3.8.120.1 Specific Data Items in the Response

This Service Request synchronous response is defined in the XSD CHBulkReturnsWarning XML element, which contains the list(s) of Device IDs that failed DCC Validation.

The DCC shall return the following data items which are specific to this Service Request for validation failures.

CHBulkReturnsWarning Definition:

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
CHBulkReturnsWarningRecords	This element contains one or more CHBulkReturnsWarningRecord	sr: CHBulkReturnsWarningRecords	Yes	None	N/A

Table 1 : CHBulkReturnsWarning (sr:CHBulkReturnsWarning) data items

CHBulkReturnsWarningRecords Definition:

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
CHBulkReturnsWarningRecord	A record for each type of validation failure (Response Code)	sr: CHBulkReturnsWarningRecord (max occurs= "3")	Yes	None	N/A

Table 2 : CHBulkReturnsWarningRecords (sr:CHBulkReturnsWarningRecords) data items

CHBulkReturnsWarningRecord Definition:

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
ResponseCode	Possible Response Codes: **E5** - The User Role is RSA and the CHF Device Status is not Pending **E081401** - The Device Type of the Device being notified is not CHF **W081401** - The CHF Device status is not 'Decommissioned'.	sr: ResponseCode	Yes	None	N/A
DeviceIDList	Comma separated list of Device IDs for which the ResponseCode is applicable. Containing a minimum of 1 Device ID and a maximum of 999 Device IDs, each as defined by sr:EUI	Restriction of xs:string (min length = 23 Max length = 23975 pattern = "([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2},)*([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2})")	Yes	None	N/A

Table 3 : CHBulkReturnsWarningRecord (sr:CHBulkReturnsWarningRecord) data items

Amend Section 3.8.121.2 as follows:

Data Item	Description / Values	Type	Mandatory	Default	Units
DeviceID	The Device ID of the Communications Hub Returned (CHF)	sr:EUI (See clause 3.10.1.3)	~~Yes~~No	None	N/A
DeviceIDList	Comma separated list of Device IDs of the returned Communications Hubs. Containing a minimum of 1 Device ID and a maximum of 999 Device IDs, each as defined by sr:EUI.	Restriction of xs:string (min length = 23 Max length = 23975 pattern = "([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2},)*([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-	No	None	N/A

		9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2})")			

Response Code	Response Code Description
E081405	The User reference date & time supplied is a future date
Where a single DeviceID attribute is provided the following shall apply:	
E5	The User Role is RSA and the CHF Device Status is not Pending
E081401	The Device Type of the Device being notified is not CHF
W081401	The CHF Device status is not 'Decommissioned'.
Where a DeviceIDList attribute is provided the following validation checks shall apply for each Device in the list:	
W081402	The Comms Hub Bulk Returns Warning contains lists of Device IDs for which the following validation checks failed for each Device ID. • The User Role is RSA and the CHF Device Status is not Pending • The Device Type of the Device being notified is not CHF • The CHF Device status is not 'Decommissioned'

Add Section 3.8.121.1 'Specific Data Items in the Response' as follows:

3.8.121.1 Specific Data Items in the Response

This Service Request synchronous response is defined in the XSD CHBulkReturnsWarning XML element, which contains the list(s) of Device IDs that failed DCC Validation.

The DCC shall return the following data items which are specific to this Service Request for validation failures.

CHBulkReturnsWarning Definition:

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
CHBulkReturnsWarningRecords	This element contains one or more CHBulkReturnsWarningRecord	sr: CHBulkReturnsWarningRecords	Yes	None	N/A

Table 4 : CHBulkReturnsWarning (sr:CHBulkReturnsWarning) data items

CHBulkReturnsWarningRecords Definition:

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
CHBulkReturnsWarningRecord	A record for each type of validation failure (Response Code)	sr: CHBulkReturnsWarningRecord (max occurs= "3")	Yes	None	N/A

Table 5 : CHBulkReturnsWarningRecords (sr:CHBulkReturnsWarningRecords) data items

CHBulkReturnsWarningRecord Definition:

Data Item	Description / Allowable values	Type	Mandatory	Default	Units
ResponseCode	Possible Response Codes: **E5** - The User Role is RSA and the CHF Device Status is not Pending **E081401** - The Device Type of the Device being notified is not CHF **W081401** - The CHF Device status is not 'Decommissioned'.	sr: ResponseCode	Yes	None	N/A
DeviceIDList	Comma separated list of Device IDs for which the ResponseCode is applicable. Containing a minimum of 1 Device ID and a maximum of 999 Device IDs, each as defined by sr:EUI	Restriction of xs:string (min length = 23 Max length = 23975 pattern = "([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2},)*([A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2}-[A-Fa-f0-9]{2})")	Yes	None	N/A

Table 6 : CHBulkReturnsWarningRecord (sr:CHBulkReturnsWarningRecord) data items

Amend Annex A – DUIS XML Schema as follows:

The DCC will provide the necessary DUIS XML Schema changes as part of the design phase if the Modification Proposal is approved.