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# DP319 ‘SRV 11.3 – Activate Firmware Request Firmware Hash Validation’

## Annex A

### Legal text – version 0.1

#### About this document

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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 5.4.

### Amend Section 3.2.5 as follows:

#### 3.2.5 Data Validation

The DCC shall perform data validation on all Service Requests and Signed Pre-Commands. The table below describes the data validation checks to be applied and where data validation checks are failed the table below describes the Response Code that shall be added by the DCC to the Service Response that is sent to the sending User:

| Validation Check                                                                                                                             | Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Response Code |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Verify the Service Request or Signed Pre-Command is applicable to the Device type and, for Electricity Smart Meter, its SMETS Meter Variant. | <p>Check that the Service Request or Signed Pre-Command content is applicable to the Device type and, for an Electricity Smart Meter, its SMETS Meter Variant.</p> <p>Note that this check is only applicable to Service Requests and Signed Pre-Commands that are addressed to a specified Device.</p> <p>Note that validation is only applied to the XML data within the Service Request or Signed Pre-Command. There is no validation of the format of the GB Companion Specification Payload held within a Signed Pre-Command or Service Request.</p> <p>This check is not applicable to Non-Device Service Requests except for Service Reference Variant 5.1 (Create Schedule) where it is applied to the Service Reference Variant(s) to be included in the schedule.</p> | E11           |
| Verify that the Service Request or Signed Pre-Command’s Command Variant is valid.                                                            | Check that the Command Variant (see clause <b>Error! Reference source not found.3-1</b> - Service Request Matrix) is applicable to the Service Request or Signed Pre-Command.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | E12           |
| Verify that the Service Request or Signed Pre-Command is valid for the Web Service called.                                                   | Check that the Service Request or Signed Pre-Command has been sent to the correct Web Service. See clause <b>Error! Reference source not found.2-4</b> - <b>Error! Reference source not found.Web Services</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E13           |
| Verify that the first request in a sequence is valid                                                                                         | Check that if the Service Request or Signed Pre-Command includes the FirstInSequence flag set to true, it doesn’t also include a PrecedingRequestID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E40           |

| Validation Check                                                                                                                                                                                                                | Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Response Code |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Verify that the sequenced Service Request or Signed Pre-Command's PrecedingRequestID is not the PrecedingRequestID of another Service Request or Signed Pre-Command previously received and accepted by the DCC                 | Check that the sequenced Service Request or Signed Pre-Command's PrecedingRequestID is not the PrecedingRequestID in another Service Request or Signed Pre-Command                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | E41           |
| Verify that the sequence does not contain a circular reference                                                                                                                                                                  | Check that there are no circular references in the sequence, i.e. a Service Request or Signed Pre-Command's <ul style="list-style-type: none"> <li>PrecedingRequestID is not its own RequestID</li> <li>RequestID is not the PrecedingRequestID of a preceding Service Request or Signed Pre-Command in the sequence. .</li> </ul>                                                                                                                                                                                                                                                                                                                | E42           |
| Verify that any preceding sequenced Service Requests or Signed Pre-Command's referenced in the Service Request or Signed Pre-Commands being validated have been Response Codes indicating successful completion of the request. | Check the Response Codes associated with any preceding sequenced Service Request or Signed Pre-Command as specified within the request being validated to ensure that the Response Codes indicate successful completion of the request.<br><br>Note this may involve an intentional delay in waiting for a future dated Command on the Device.                                                                                                                                                                                                                                                                                                    | E43           |
| Verify that all the Responses from the preceding sequenced Service Requests and Signed Pre-Commands have been received                                                                                                          | Check that all of a sequenced Request's preceding Responses in the sequence have been received during their "Wait Period" (see clause <b>Error! Reference source not found.2-6.4</b> – Sequenced Services)                                                                                                                                                                                                                                                                                                                                                                                                                                        | E44           |
| Is the sequenced Service Request or Signed Pre-Command's Command Variant valid                                                                                                                                                  | Check that the Command Variant is applicable to the sequenced Service Request or Signed Pre-Command (see clause <b>Error! Reference source not found.2-6.4</b> – Sequenced Services).                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E45           |
| Verify that a sequenced Service Request or Signed Pre-Command has not been received after the Last in Sequence has been determined                                                                                              | Check that the Service Request or Signed Pre-Command does not sequentially follow a Service Request or Signed Pre-Command that has been determined to be the Last In Sequence (see clause <b>Error! Reference source not found.2-6.4</b> – Sequenced Services).<br><br>Note that validation takes into account out of order sequenced Requests rules (see clause <b>Error! Reference source not found.2-6.4</b> – Sequenced Services and DCC Alert N15 under <b>Error! Reference source not found.3-6.3.4</b> - DCC Alert Codes) and it will only fail if the "Wait Period" for the preceding Service Request or Signed Pre-Commands has elapsed. | E46           |
| Verify that all of the sequenced Service Request or Signed Pre-Command's preceding Request Responses have been received and executed successfully.                                                                              | Check that the Service Request or Signed Pre-Command has not been received after the sequence has failed due to a missing Response for an On Demand Command earlier in the sequence.                                                                                                                                                                                                                                                                                                                                                                                                                                                              | E47           |

| Validation Check                                                                 | Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Response Code |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Verify that the ServiceReference / ServiceReferenceVariant combination is valid  | Check that the combination of Service Reference and Service Reference Variant is correct, i.e. it aligns to clause <b>Error! Reference source not found.3.4</b> – Service Request Matrix.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | E48           |
| Verify that the format is correct for the Service Request or Signed Pre-Command. | <p>Check that the Service Request or Signed Pre-Command matches the Request format corresponding to the Service Reference Variant in the message header.</p> <p>Note that validation is only applied to the XML data within the Service Request or Signed Pre-Command. There is no validation of the format of the GB Companion Specification Command held within a Signed Pre-Command</p> <p>This check is in addition to the XML format checks defined in clause <b>Error! Reference source not found.3.2.2</b>. Very few Service Responses are expected with this code as the majority will be identified and reported as per clause <b>Error! Reference source not found.3.2.2</b>.</p> | E49           |
| Verify that a Command for Local Delivery has been returned                       | Check that a Command for Local Delivery has been returned (the Service Request has not been quarantined)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | E50           |
| Verify the Signed Pre-Command GB Companion Specification message code is correct | <p>Check that the message code contained within the Command is consistent with the Signed Pre-Command which corresponds to the Service Reference Variant in the message header.</p> <p>Note that this validation is only applicable to a GBCS Format Command (held within a Signed Pre-Command).</p>                                                                                                                                                                                                                                                                                                                                                                                        | E51           |
| Verify that the Request to cancel a Future Dated (DSP) Service Request is valid  | Check that if the Service Request is the cancellation of a Service Request Future Dated (DSP), the corresponding Service Request can be found and the associated Command hasn't yet been submitted to the Device                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | E52           |
| Verify that the sequenced Future Dated (DSP) Request is valid                    | Check that if the Service Request is Future Dated (DSP) and it is part of a sequence, that it is the first Service Request in the sequence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E53           |
| Verify that the sequenced Gas Service Request is valid                           | Check that the Response to the sequenced Service Request cannot return encrypted gas data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E54           |
| Verify that the Request ID is not a duplicate?                                   | Check that the Request ID is not the duplicate of another Request being processed by the DCC Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | E55           |
| Verify that the Service Request is still supported by the DCC Systems            | <p>Check that the requested Service Request is still supported by the DCC Systems. This error shall only occur if a Service Request which exists in an older version of the DUIS schema can no longer be accepted by the DCC Systems on that version of the DCC User Interface.</p> <p>Please note this check is not applicable to this version of DUIS.</p>                                                                                                                                                                                                                                                                                                                                | E56           |

| Validation Check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Response Code |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <p>Verify that the Request is applicable to the target Device's Device Model according to the Device Model recorded in the Smart Metering Inventory for that Device and the version of GBCS that pertains to the entry for that Device Model in the Central Products List</p> <p><u>For the "Transform" Command Variant 4 of SRV 11.3 (Activate Firmware) Service Request, validate the FirmwareHash data item provided by the User against the Manufacturer Image Hash value of an Entry in the Central Product List (CPL) with 'Current' status for the target Device's Device Model</u></p> | <p>Check that the Request is applicable to the target Device's Device Model according to the Device Model recorded in the Smart Metering Inventory for that Device and the version of GBCS that pertains to the entry for that Device Model in the Central Products List</p> <p>Note that this check is applicable to Service Requests and Signed Pre-Commands that are addressed to a specified Device.</p> <p>Note that validation is only applied to the XML data within the Service Request or Signed Pre-Command. There is no validation of the format of the GB Companion Specification Payload held within a Signed Pre-Command or Service Request.</p> <p>This check is not applicable to Non-Device Service Requests except for Service Reference Variant 5.1 (Create Schedule) where it is applied to the Service Requests to be included in the schedule</p> <p>This check is not applicable to Service Reference Variant 11.2 (Read Firmware Version) where the target Device is a PPMID.</p> <p><u>For the "Transform" Command Variant 4 of Service Reference Variant 11.3 (Activate Firmware) Service Request, check that the FirmwareHash data item provided by the User in the Service Request matches the Manufacturer Image Hash value (excluding the colon separator between octet values) of an Entry with 'Current' status on the Central Products List (CPL) for the target Device's Device Model.</u></p> | E57           |

**Table 123 : Validation checks on Service Requests and Signed Pre-Commands Key Cryptographic Operations**

### Amend Section 3.5.10 as follows:

#### 3.5.10 Service Response codes generated by DCC

The Response Codes consists of a letter prefix followed by a unique number (defining the specific procedure to be undertaken in response to the Response Code). The Response Code letter is either;

- Information - Prefix 'I'
- Error - Prefix 'E'
- Warning - Prefix 'W'
- 

Please see the DCC's Error Handling Strategy for further details on error handling.

| Response Code | Response Code Name                                                    | Response code type | Description                                                                                                                                                                                                                 | Applicable to response types   | Error Handling Strategy procedure |
|---------------|-----------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|
| I0            | Success                                                               | Information        | Request has had a successful outcome                                                                                                                                                                                        | All except Acknowledgement     | N/A                               |
| I99           | Acknowledgement                                                       | Information        | Request received for sending to Device has been accepted and has passed access control<br>Or<br>In Response to a successful Non-Device Service Request where there is no specific XML data included in the Service Response | Acknowledgement                | N/A                               |
| E1            | Failed Authorisation – Invalid User / User Role                       | Error              | User / User Role combination is not a valid SEC party / User Role                                                                                                                                                           | Acknowledgement and DCC Alerts | V2<br>Z1                          |
| E2            | Failed Authorisation – Invalid User Role / Service Reference          | Error              | User Role not permitted to send Service Reference                                                                                                                                                                           | Acknowledgement                | V4<br>Z1                          |
| E3            | Failed Authorisation – Invalid User Status                            | Error              | User Status not permitted to send Service Reference                                                                                                                                                                         | Acknowledgement and DCC Alerts | V3<br>Z1                          |
| E4            | Failed Authorisation – Invalid User / User Role for Device            | Error              | User Role not authorised for Device and required date & time                                                                                                                                                                | Acknowledgement and DCC Alerts | V1<br>Z1                          |
| E5            | Failed Authorisation – Invalid Device Status                          | Error              | Device SMI Status incompatible with Service Reference                                                                                                                                                                       | Acknowledgement and DCC Alerts | W6<br>Z1                          |
| E11           | Failed Validation – Invalid Service Request / device type combination | Error              | Service Reference not compatible with the specified device                                                                                                                                                                  | Acknowledgement                | W7<br>Z1                          |

| Response Code | Response Code Name                                                                                      | Response code type | Description                                                                                                                                         | Applicable to response types | Error Handling Strategy procedure |
|---------------|---------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------|
| E12           | Failed Validation – Invalid Request / Command Variant combination                                       | Error              | Command Variant not applicable to the Request type                                                                                                  | Acknowledgement              | W1<br>Z1                          |
| E13           | Failed Validation – Invalid Request Type for URL                                                        | Error              | Request Type not valid for the URL, e.g. a “Non-Device” Service Request sent to the “Transform” URL                                                 | Acknowledgement              | W2<br>Z1                          |
| E17           | Failed Authorisation –Service Request or Signed Pre-Command is not available for Local Command Services | Error              | User Role / Device status combination doesn’t permit Request of Command for local delivery                                                          | Acknowledgement              | W6<br>Z1                          |
| E19           | Failed Authorisation – Device doesn’t exist                                                             | Error              | Device ID invalid                                                                                                                                   | Acknowledgement              | W3<br>Z1                          |
| E20           | Communications Failure – Unable to Communicate with Device                                              | Error              | DCC Systems cannot establish communications with Device                                                                                             | DCC Alerts                   | X1                                |
| E21           | Communications Failure – No Response Received from Device                                               | Error              | No Response received from Device for an “On Demand” Command or a “Future Dated” Command                                                             | DCC Alerts                   | X1                                |
| E30           | Time-out – “Future Dated” Command                                                                       | Error              | DCC Systems doesn’t get Response from Device on the expected date for “Future Dated” Command                                                        | DCC Alerts                   | X2<br>X3                          |
| E31           | Time-out – “DSP Schedule” / “Future Dated (DSP) Command                                                 | Error              | DCC Systems cannot establish communications with or get response from Device for “DSP Scheduled” or “Future Dated (DSP) Command                     | DCC Alerts                   | X2<br>X3                          |
| E40           | Failed Sequenced Command – Invalid First Request                                                        | Error              | DCC Systems fails a sequenced Request because it includes the “First In Sequence” flag set to true and the “Preceding RequestID” is populated       | Acknowledgement              | Y1<br>Z1                          |
| E41           | Failed Sequenced Command – Invalid “Preceding Request ID”                                               | Error              | DCC Systems fails a sequenced Request, because its “Preceding Request ID” is also the “Preceding RequestID” of another Request in the same sequence | Acknowledgement              | Y1<br>Z1                          |

| Response Code | Response Code Name                                                                                        | Response code type | Description                                                                                                                                                                                                                                                                                                        | Applicable to response types   | Error Handling Strategy procedure |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|
| E42           | Failed Sequenced Command – Circular Reference                                                             | Error              | DCC Systems fails a sequenced Request, because its “Request ID” is the same as its “Preceding Request ID” or the “Preceding RequestID” of its preceding request or of one of its preceding requests, e.g. request id 1 has request 2 as its preceding request and request 2 has request 1 as its preceding request | Acknowledgement                | Y1<br>Z1                          |
| E43           | Failed Sequenced Command – Previous Request(s) Failure                                                    | Error              | DCC Systems fails a sequenced Request, because previous Request (s) in the sequence failed                                                                                                                                                                                                                         | Acknowledgement and DCC Alerts | Y2<br>Z1                          |
| E44           | Failed Sequenced Command – Previous Request(s) not received                                               | Error              | DCC Systems fails a sequenced Request, because a Response has not been received for previous Request(s) in the sequence during the “Wait Period”                                                                                                                                                                   | Acknowledgement and DCC Alerts | Y2<br>Z1                          |
| E45           | Failed Sequenced Command – Invalid Command Variant                                                        | Error              | DCC Systems fails a sequenced Request, because its Command Variant is not applicable to a sequenced Request                                                                                                                                                                                                        | Acknowledgement                | Y2<br>Z1                          |
| E46           | Failed Sequenced Command – Request after Last In Sequence                                                 | Error              | DCC Systems fails a sequenced Request, because it is dependent on the Last In Sequence                                                                                                                                                                                                                             | Acknowledgement and DCC Alerts | Y2<br>Z1                          |
| E47           | Failed Sequenced Command – Request failed because no response to “On Demand” Command received from device | Error              | DCC Systems fails a sequenced Request, because no response received from device to previous Command                                                                                                                                                                                                                | Acknowledgement and DCC Alerts | Y2<br>Z1                          |
| E48           | Failed Validation – Service Request Reference and Variant mismatch                                        | Error              | Invalid combination of Service Reference and Service Reference Variant                                                                                                                                                                                                                                             | Acknowledgement                | W4<br>Z1                          |
| E49           | Failed Validation – Service Request Format and Service Reference Variant mismatch                         | Error              | The Service Request format doesn’t match the Service Reference Variant in the message header                                                                                                                                                                                                                       | Acknowledgement                | W5<br>Z1                          |

| Response Code | Response Code Name                                                                         | Response code type | Description                                                                                                                                                                                                                                                                                                                                                     | Applicable to response types   | Error Handling Strategy procedure |
|---------------|--------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|
| E50           | Local Command Services Not Returned                                                        | Error              | The Service Request requesting a Command for Local Delivery has not returned a Command                                                                                                                                                                                                                                                                          | Acknowledgement                | W8                                |
| E51           | Failed Validation – Signed Pre-Command Message Code and Service Reference Variant mismatch | Error              | The GB Companion Specification Message Code in the Signed Pre-Command GBCS Payload doesn't map to the Service Reference Variant in the Signed Pre-Command XML header                                                                                                                                                                                            | Acknowledgement                | W5<br>Z1                          |
| E52           | Failed Validation – Unable to cancel Future Dated (DSP) Service Request                    | Error              | The Service Request is to cancel a Future Dated (DSP) Service Request of the same type but DCC can't find a Service Request to cancel                                                                                                                                                                                                                           | Acknowledgement                | Y1<br>Z1                          |
| E53           | Failed Sequenced Command – Future Dated (DSP) not first in sequence                        | Error              | The sequenced Service Request is Future Dated (DSP) and is not the first Request in the sequence                                                                                                                                                                                                                                                                | Acknowledgement                | Y2<br>Z1                          |
| E54           | Failed Sequenced Command – Gas Service Request returns encrypted data                      | Error              | The sequenced Gas Service Request returns encrypted data                                                                                                                                                                                                                                                                                                        | Acknowledgement                | Y2<br>Z1                          |
| E55           | Failed Validation – Duplicate Request ID                                                   | Error              | The Request's Request ID is the duplicate of another Request being processed by the DCC Systems                                                                                                                                                                                                                                                                 | Acknowledgement                | W5<br>Z1                          |
| E56           | Failed Validation – Service Request no longer supported                                    | Error              | <p>The requested Service Request is no longer supported by the DCC Systems. This error shall only occur if a Service Request which exists in an older version of the DUIS XML schema can no longer be accepted by the DCC Systems on that version of the DCC User Interface</p> <p>Please note this Response Code is not applicable to this version of DUIS</p> | Acknowledgement and DCC Alerts | W9<br>Z1                          |

| Response Code | Response Code Name                                                                                                                                                                                                                        | Response code type | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Applicable to response types   | Error Handling Strategy procedure |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|
| E57           | <p>Failed Validation – Invalid Service Request / GBCS version combination</p> <p><u>Or</u></p> <p><u>Failed Validation - Firmware Hash mismatch for “Transform” Command Variant 4 of SRV 11.3 (Activate Firmware) Service Request</u></p> | Error              | <p>The Service Request is not compatible with the specified target Device’s Device Model according to the Device Model recorded in the Smart Metering Inventory for that Device and the version of GBCS that pertains to the entry for that Device Model in the Central Products List</p> <p><u>Or</u></p> <p><u>For “Transform” Command Variant 4 of Service Reference Variant 11.3 (Activate Firmware) Service Request, the FirmwareHash data item provided by the User in the Service Request does not match the Manufacturer Image Hash value (excluding the colon separator between octet values) of an Entry with ‘Current’ status on the Central Products List (CPL) for the target Device’s Device Model.</u></p> | Acknowledgement and DCC Alerts | W10<br>Z1                         |
| E58           | Communications Failure – Command not delivered to ESME                                                                                                                                                                                    | Error              | <p>The Communications Hub Function was unable to deliver the Command to the ESME</p> <p>The creation of this DCC Alert is in direct response to the receipt by the DCC Systems of an Alert 0x8F84 - Failure to Deliver Remote Party Message to ESME (as defined by GBCS) from the Communications Hub Function</p>                                                                                                                                                                                                                                                                                                                                                                                                         | DCC Alerts                     | X4<br>Z1                          |

**Amend Section 3.8.125.3 as follows:**

***3.8.125.3 Specific Validation for this Request***

No specific validation is applied for this Request, see clause 3.2.5 for general validation applied to all Requests and clause 3.10.2 for Execution Date Time validation.

For clarity, pursuant to clause 3.2.5 Data Validation for the “Transform” Command Variant 4 of this Service Request, if the FirmwareHash data item provided by the User in the Service Request does not match the Manufacturer Image Hash value (excluding the colon separator between octet values) of an Entry with ‘Current’ status on the Central Products List (CPL) for the target Device’s Device Model, then DCC shall reject the Service Request and generate a Service Response with E57 Response Code, to inform the User of the invalid FirmwareHash value supplied in the Service Request, and shall not initiate the GBCS CS06 Use Case towards the target Device.