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Action:	For Discussion

MP178 DCC Preliminary Assessment

1. Purpose

[MP178 'Removing DSP validation against the SMI join status for SR8.8.x'](#) is currently undergoing the Refinement Process. The purpose of this paper is to seek the Technical Architecture and Business Architecture Sub-Committee's (TABASC's) feedback on the high-level solution architecture in the Data Communications Company (DCC) Preliminary Assessment response.

This paper provides a high-level summary of the key points. The DCC Preliminary Assessment can be found in Appendix A and the business requirements in Appendix B.

2. Summary of MP178

This section summarises the key points of this Modification Proposal. More information is available in the Modification Report in Appendix C.

2.1 What is the issue?

There have been cases observed where the response to the Service Reference Variant (SRV) 8.7.2 'Join Service (Non-Critical)' is not received by the Data Services Provider (DSP) systems despite the join working within the Electricity Smart Metering Equipment (ESME). Consequently, a User is unable to send an Unjoin command as the business validation on the SRV 8.8.1 'Unjoin Service (Critical)' or 8.8.2 'Unjoin Service (Non-Critical)' commands check that only Devices joined in the Smart Metering Inventory (SMI) may be un-joined.

2.2 What is the Proposed Solution?

This Proposed Solution aims to remove DSP validation of join status in the Smart Meter Inventory (SMI) when sending an Unjoin Service Request. This will allow the sending of unjoin commands irrespective of the join status held in the SMI. This solution would suppress the Response Code E080801 from being created in association with an unjoin command.

The validation of SRV8.8.1 Unjoin Service (Critical) and SRV8.8.2 Unjoin Service (Non-Critical) in Request Manager will be modified to remove the check that the OtherDeviceID from the SRV is flagged in the SMI as being joined to the target Device of the SRV. The change will apply to SMETS1 and SMETS2, and to all versions of the DCC User Interface Specification (DUIS).

3. Business requirements

Below are the business requirements, developed with the Proposer, the DCC and the Working Group.

Business Requirements	
Ref.	Requirement
1	To remove the Data Service Provider (DSP) validation for Response Code E080801 when in association with the unjoin command (SRV8.8.1 and SRV8.8.2)
2	DCC User Interface Specification (DUIS) updated to align with other Smart Energy Code (SEC) requirements of not mandating DSP validation of unjoin command

Further information on the considerations and assumptions for these requirements is available in Annex B.

4. DCC Preliminary Assessment

The DCC has now completed its Preliminary Assessment of the Proposed Solution. The full response to the DCC Preliminary Assessment can be found in Appendix A and a copy of the business requirements can be found in Appendix B.

4.1 Summary

- Total cost to complete the Full Impact Assessment of £6,075.
- The timescales to complete the Full Impact Assessment of 40 working days.
- Rough Order of Magnitude (ROM) costs for MP178, up to the end of Pre-Integration Testing (PIT) of £10,000 to 75,000.
- Although not included in this Preliminary Assessment, it is expected that there will be no integration testing costs associated with the implementation of this Modification Proposal.

5. Implementation approach

This change is currently targeted for the November 2023 SEC Release (2 November 2023). Design, Build, and Pre-Integration Testing (PIT) is expected to take about three months to complete. Details of the implementation will be finalised in the Full Impact Assessment.

6. Questions for the TABASC

We seek the TABASC's views on the following questions for consideration in the full DCC Impact Assessment:

- Does the DCC Preliminary Assessment deliver the Proposed Solution?
- Is the Proposed Solution cost effective?
- Are there any additional aspects to the Proposed Solution that should be considered prior to the full DCC Impact Assessment?

7. Next steps

SECAS has presented the DCC Preliminary Assessment to the Working Group for discussion. SECAS will request Working Group input on the suggested prioritisation categories and issue a Refinement Consultation for input from the wider industry.

8. Recommendations

The TABASC is asked to:

- **CONFIRM** that the Proposed Solution within the Preliminary Assessment fulfils the business requirements, and;
- **PROVIDE** views and feedback on the DCC's solution.

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SECAS Team

24 November 2022

Attachments:

- **Appendix A:** MP178 DCC Preliminary Assessment
- **Appendix A:** MP178 business requirements
- **Appendix C:** MP178 Modification Report
- **Appendix D:** MP178 process diagrams