Data Communications Company

Conclusion on the SMETS1 Supporting Requirements for MOC Secure Consultation for Secure

DCC's conclusion on proposed changes to the SMETS1 Supporting Requirements document for MOC Secure

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1. Introduction and Context

In the initial stages of the smart meter roll-out across Great Britain, a number of energy suppliers have installed first generation smart devices (known as SMETS1 devices), in consumers' premises. SMETS1 devices installed by one energy supplier, however, are not always interoperable with and supported by the systems used by another supplier. The Data Communications Company (DCC) has developed a plan and designed a solution for the incorporation of such devices into its national network. It provides important shared benefits for industry and consumers and intends to offer the ability for SMETS1 consumers to maintain their smart services following a decision to switch suppliers.

The DCC solution relies on a common DCC User interface, defined in the DCC User Interface Specification (DUIS) for users of both SMETS1 and SMETS2 devices. SMETS1 specific processing or operating requirements are defined in the SMETS1 Supporting Requirements (S1SR) document – Appendix AM of the SEC.

The latest version of the SMETS1 Supporting Requirements came into effect on 6 May 2020 and the consultation proposed changes to this designated version of S1SR.

On 01 May 2020 DCC consulted on further changes to the S1SR. The amendments that were proposed to the designated version of S1SR were to accommodate further device specific behaviours that had been identified in respect of the Middle Operating Capability – Secure, and to define the pre-migration configuration requirements specific to the devices that will be capable of being enrolled into DCC as a consequence of that capability release.

During the initial consultation period a number of additional device specific behaviours were identified which DCC proceeded to consult on by publishing a further consultation on 5 June 2020.

These amendments were included in the S1SR version 4.1. This document provides the DCC's responses to points raised, and concludes this consultation.

2. Consultation

On 5 June 2020, DCC published a consultation proposing further changes to the S1SR on the DCC Website. DCC's Service Desk also emailed stakeholders to notify of the publication.

Stakeholders were invited to respond to the consultation by 16:00 on 3 July 2020.

DCC sought comments on the following questions:

Number	Question
S1SR Question 1	Do you agree with the proposed amendments to the SMETS1 Supporting Requirements Document (S1SR) in Section 18 of that document, that have been added to describe the device behaviours specific to the MOC Secure devices?
S1SR Question 2	Do you agree with mappings of clauses in Section 18 of S1SR to the relevant Device Models in DMVES?

S1SR Question3	Do you agree with the proposed re-designation date of 26 July 2020 (or, if necessary, as soon as reasonably practicable within one month thereafter) for the updates to the S1SR using draft notification at Attachment 1?

Table 1

2.1. Respondents

DCC received three responses to the consultation on the changes to the S1SR.

3. Analysis of Responses

DCC has undertaken an analysis of the feedback provided by each respondent regarding the S1SR which is presented within this section document.

3.1. Comments relating to question 1

Comment	DCC Response
A respondent sought clarity on the manner in which the Secure S1SP processes firmware deployments to HAN devices, relating to the failure responses and the manner in which the validation process is operated.	Where the S1SP receives an SRV11.1 for a list of devices, for each instance where a device on the same HAN has previously received an SRV11.3, but for which the processing of the firmware update has not completed, the S1SP will return a response indicating that the specific device affected has been rejected but that other devices within the same list will not be rejected for this reason (except where true). For clarity, the firmware is only distributed to the device once an SRV11.3 has been sent by the user.
A Respondent indicated that Clause 13.2 had a caveat that should be removed and provided further details for the explanation.	DCC agrees that the requirement to implement Secure specific pre-configuration updates is an absolute requirement and so has amended the S1SR accordingly.
A respondent considered that the DCC consultation response of 5 June to their comments regarding SR4.3 to obtain prepayment data appears technically incorrect and the solution suggested not feasible.	The respondent requested that the Service Request to retrieve the Prepayment Daily Read Log be made available to this group of SMETS1 Devices. The DCC position remains that as this functionality is not required by the SMETS1 specification and is not reliably available across all SMETS1 devices that are to be enrolled, it does not form part of the Core SMETS1 Service. This is the position that has been consulted upon and incorporated into the SEC. The DCC has advised that Suppliers may wish to within their own systems schedule ad hoc reads of the Service Request to retrieve Instantaneous Prepayment values.

Table 2

3.2. Comments relating to question 2

Two respondents agreed while one did not express an opinion.

3.3. Comments relating to question 3

Two respondents agreed while one did not express an opinion.

4. Summary of Changes to the S1SR

In light of the consultation responses received, DCC is proposing changes to the S1SR as set out in the table below.

Drafting Reference	Description	Rationale for Change
Clause 13.2	Removal of the caveat	DCC has amended for the reason set out above.

Table 3

5. Conclusions

DCC has made the change identified above to the S1SR which is provided alongside this consultation response. DCC considers that it has dealt with all other issues that arise out of this consultation and will be requesting the Secretary of State to designate this version of the S1SR.

DCC will submit the updated version of S1SR to the Secretary of State on 17 July 2020 that contains the changes identified in Section 4 of this document.

6. Next Steps

Subsequent to consulting on this version of the S1SR, DCC has become aware of a small number of additional updates and device specific behaviours that have been identified through User Testing and further analysis of the devices with the manufacturer. From its analysis, DCC is of the opinion that these additional updates will have no material impact on either the migration or operation of Secure devices during the initial migration period.

In order to resolve these, DCC is arranging for a September release and as a consequence will be issuing an updated version of S1SR describing these behaviours. DCC has also undertaken to publish a guidance document indicating where there may be any divergence between the current system behaviour and that described by this version of the S1SR.

7. Attachments

- Attachment 1:   SEC Appendix AM SMETS1 Supporting Requirement - clean
- Attachment 2:   SEC Appendix AM SMETS1 Supporting Requirement – redline
- Attachment 3:   SEC Appendix AM SMETS1 Supporting Requirement – redline from Consultation version

- Attachment 4: SEC Appendix AM Annex A Device Model Variations to Equivalent Steps Matrix