



# SMETS1 Consultation on to support FOC Uplift 2.1

DCC consultation on changes to the SEC relating to FOC  
Uplift 2.1

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**Classification: DCC Public**

## Table of Contents

<b>1. Introduction and Context .....</b>	<b>3</b>
<b>2. Next Steps .....</b>	<b>5</b>
<b>3. How to Respond .....</b>	<b>6</b>
<b>4. Attachments .....</b>	<b>6</b>

# 1. Introduction and Context

A number of energy suppliers have installed first generation smart devices (known as SMETS1 devices) in consumers' premises across Great Britain. The Data Communications Company (DCC) has designed a solution for the enrolment of SMETS1 devices into its network. SMETS1 devices installed by one energy supplier, however, are not always interoperable with and supported by the systems used by another supplier. 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. The SMETS1 Supporting Requirements (S1SR) – Appendix AM of the Smart Energy Code (SEC) - describes supplementary rules for how DCC will process SMETS1 Service Requests / Service Reference Variants (SRs/SRVs) and includes the accommodation of behaviours that are specific to particular SMETS1 Device Models.

The scope of the changes that have been proposed for Uplift 2.1 of the SMETS1 Final Operating Capability (FOC) are the following:

- The Opt In/Opt Out Tactical Fix;
- SMETS1 Prepayment Meter Interface Device (PPMID) Device Swap Out;
- PPMID Firmware Update;
- Split Supplier with certificates; and
- Duplicate UTRN handling.

As a result of these changes, DCC is proposing the following changes to the S1SR as well as consequential changes to Annex A to SEC Appendix AM – Device Model Variations to Equivalent Steps Matrix (DMVES).

Drafting Reference	Description
18.1(v)	The limitations on Seasons within tariffs have been removed.
18.5(ee) 18.5(gg)	The limitations on Season start dates and end dates within NDC's have been removed.
18.5(hh)	The use of 31/12/3000 in an end date means that the current schedule will continue indefinitely
18.6(b)	Where a UTRN is requested that is not in whole pounds then this will be rejected with an S1SP Alert
18.14(a)	Clarifying that the gas meter returns any block counters in kWh

18.17(b)	Clarifying that the gas meter returns any block counters in kWh
18.17(i)	If an Update Tariff or Update Payment Mode SRV has not been run before the 4.4.2 request is received, then the user will receive a SMETS1 Alert (S1CE20) as the request will always timeout.
18.18(a)	Clarifying that the gas meter returns any block counters in kWh
18.21(e) 18.18(f)	The gas meter will always reset the block counters before taking a snapshot. So this will affect the responses as they may always be 0 if the meter is operating in GMT or may only reflect consumption for 23 of the 24 hours of the day, if the meter is operating in BST.
18.18(g)	If a Billing Calendar has not been set on the device before the 4.4.3 request is received, then the user will receive a SMETS1 Alert (S1CE20) as the request will always timeout.
18.19(a)	If Credit is added to the device but has never resulted in any payment-based debt being recovered before the 4.4.4 request is received, then the user will receive a SMETS1 Alert (S1CE20) as the request will always timeout.
18.21(f)	If a request for the daily read log is received before 23:00 during BST, and the request includes the current day then there will be a duplicate of the log entry with timestamp of 23:00 but with a timestamp of 00:00 and therefore there will be no increase in consumption from the entry at 23:00
18.22 (b) – (d)	Access to profile data has now been restored
18.23	Access to profile data has now been restored
18.24	Access to profile data has now been restored
18.27(p)	Removed
18.27(q)	The restrictions on the DebtRecoveryRatePeriod are dependent on the successful execution of SRV 2.3
18.27(r)	When using 31/12/3000 as an end date when setting the NDC, then the end date returned in the response will reflect the day before the start date
18.62(f)	PPMID swap-out now supported so the restrictions on adding PPMIDs to the CHF device log have been removed
18.63(b)	PPMID firmware upgrade now supported so restrictions removed
18.63(c)	The behaviour of firmware upgrades when applied to a bilingual device is uncertain
18.64(a)	PPMID firmware upgrade now supported so restrictions removed
18.64(b)	The behaviour of read firmware when sent to a bilingual device is uncertain
18.65(e)	

18.65(c)	PPMID firmware upgrade now supported so restrictions removed
18.65(d)	Describes the behaviour when a second firmware upgrade operation is started for a device on the same HAN. The first upgrade will be stopped, and a failure returned

<b>S1SR and DUIS Q1</b>	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 behaviour specific relevant to the FOC devices?
<b>S1SR and DUIS Q2</b>	Do you agree with mappings of clauses in Section 18 of S1SR to the relevant Device Models in DMVES?

As part of the Uplift 2.1 changes, DCC is also proposing changes to the DUIS to remove the FOC specific exclusions relating to firmware upgrades for SMETS1 Prepayment Meter Interface Devices PPMIDs. This will allow for the upgrading of firmware on PPMIDs for FOC Device Model Combinations (DMCs).

<b>S1SR and DUIS Q3</b>	Do you agree with the proposed amendments to the DCC User Interface Specification (DUIS)? Please provide rationale for your views.
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## 2. Next Steps

Following the closure of this consultation, DCC will consider respondents' views. Following such consideration, DCC may make amendments to the documents in this consultation where appropriate. DCC will then submit an amended version of the S1SR, DMVES and DUIS to the Department for Business, Energy and Industrial Strategy (BEIS) that it considers suitable for re-designation into the SEC by the Secretary of State.

DCC is aiming to provide a report to the Department for Business, Energy and Industrial Strategy (BEIS) for the S1SR and DUIS changes by no later than 14 June 2021, which report will contain DCC's consideration of the consultation and its responses and, if recommended for re-designation, a version of the S1SR and DUIS that DCC considers is appropriate to designate into the SEC.

DCC has discussed the re-designation of the documents in this consultation with BEIS. DCC notes that there is a proposed Joint Industry Plan (JIP) milestone that is being considered for the date for Uplift 2.1. This date has not been approved, but it has been proposed to be 20 July 2021. Accordingly, DCC proposes that, subject to approval of the JIP milestone, timely receipt of DCC's report, and copies of relevant stakeholder responses to this consultation, BEIS will re-designate the S1SR and DUIS on 20 July 2021 or as soon as reasonably practicable within one month thereafter.

In order to expedite the re-designation of the S1SR, and DUIS, DCC is also seeking views on behalf of BEIS on the proposed date for re-designation of the S1SR and DUIS as well as the draft direction which is presented in Attachment 1 of this consultation document for stakeholder consideration.

### 3. How to Respond

Please provide responses by 1600 on 4 June 2021 to DCC at [consultations@smartdcc.co.uk](mailto:consultations@smartdcc.co.uk).

Consultation responses may be published on our website [www.smartdcc.co.uk](http://www.smartdcc.co.uk). Please state clearly in writing whether you want all or any part, of your consultation to be treated as confidential. It would be helpful if you could explain to us why you regard the information you have provided as confidential. Please note that responses in their entirety (including any text marked confidential) may be made available to the BEIS and the Gas and Electricity Markets Authority (the Authority). Information provided to BEIS or the Authority, including personal information, may be subject to publication or disclosure in accordance with the access to information legislation (primarily the Freedom of Information Act 2000, the Data Protection Act 2018 and the Environmental Information Regulations 2004). If BEIS or the Authority receive a request for disclosure of the information we/they will take full account of your explanation (to the extent provided to them), but we/they cannot give an assurance that confidentiality can be maintained in all circumstances. An automatic confidentiality disclaimer generated by your IT system will not, of itself, be regarded by us as a confidentiality request.

If you have any questions about the consultation documents, please contact DCC via [consultations@smartdcc.co.uk](mailto:consultations@smartdcc.co.uk).

### 4. Attachments

- Attachment 1: Draft Designation Text
- Attachment 2: SEC Appendix AM – SMETS1 Supporting Requirement
- Attachment 3: SEC Appendix AM Annex A – Device Model Variations to Equivalent Steps
- Attachment 4: SEC Appendix AD – DCC User Interface Specification (3.0)
- Attachment 5: SEC Appendix AD – DCC User Interface Specification (3.1)
- Attachment 6: SEC Appendix AD – DCC User Interface Specification (4.0)
- Attachment 7: Response Template

# Attachment 1

This attachment contains the text that BEIS plans to use for direction of changes to the S1SR and DUIS.

## **S1SR and DUIS Draft Direction Text**

*This direction is made for the purposes of the smart meter communication licences granted under the Electricity Act 1989 and the Gas Act 1986 (such licences being the "DCC Licence") and the Smart Energy Code designated by the Secretary of State pursuant to the DCC Licence (such code being the "SEC").*

*Words and expressions used in this direction shall be interpreted in accordance with Section A (Definitions and Interpretation) of the SEC.*

*Pursuant to Condition 22 of the DCC Licence and Section X5 (Incorporation of Certain Documents into this Code) of the SEC, the Secretary of State directs that, with effect from [DD MM YYYY], the SMETS1 Supporting Requirements previously designated and incorporated into the SEC as Appendix AM and the DCC User Interface Specification versions 3.0, 3.1 and 4.0 previously designated and incorporated into the SEC as Appendix AD is hereby re-designated and incorporated in the form set out in Annex [XX] to this direction.*

*For the avoidance of doubt such re-designation of the SMETS1 Supporting Requirements and the DCC User Interface Specification versions 3.0, 3.1 and 4.0 shall be without prejudice to anything done under the DCC Licence or the SEC on or after this document first being designated, or to the continuing effectiveness of anything done under this document prior to its re-designation (which shall have effect as if done under the re-designated document).*

*This direction is also being notified to the SEC Administrator.*