



# **SMETS1 Consultation on changes to the SMETS1 Supporting Requirements – January 2023**

**A consultation on changes to Clause 17 and Clause 18 of  
the S1SR that records certain Device Specific Behaviours**

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**Respond by: 1600 on 10 February 2023**

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**Classification: DCC Public**

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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 installed first generation smart metering devices (known as SMETS1 Devices), in households and small/medium non domestic 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. The SMETS1 Supporting Requirements (S1SR) – Appendix AM of the Smart Energy Code (SEC), describes supplementary rules for how the 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 latest version of the SMETS1 Supporting Requirements came into effect on 17 December 2021.

Through discussions with industry and at the Device Issue Recommendation Forum (DIRF) and also to correct defects within the system, DCC has identified changes that are required to the S1SR and is consulting on these changes. Once feedback has been evaluated, DCC will update the S1SR as necessary and then submit the revised S1SR to the Department for Business, Energy and Industrial Strategy (BEIS) for re-designation by the Secretary of State into the SEC. The proposed date for re-designation is 21 March 2023 (or, if necessary, as soon as reasonably practicable within one month thereafter).

In April 2022<sup>1</sup>, DCC consulted on a number of changes in respect of the FOC implementation of the enablement of pushing of data to the S1SP on a regular basis but has yet to conclude on this consultation. These changes are included within this version of the red-lined S1SR as attached to this consultation. DCC has identified these changes in the changes set out in Section 2. Please note that DCC is not asking for feedback on these changes, but are only there to provide continuity.

<sup>1</sup> [SMETS1 Consultation – S1SR changes for FOC - April 2022 | Smart DCC](#)

## 2. Changes to the S1SR

This consultation is seeking views on the changes to the S1SR that records certain device specific behaviours as set out below.

### 2.1. Changes to Section 17

Drafting Reference	Description
17.6A	Previously, this Clause 17.6A stated that all commands that were targeted at a GPF or Gas Meter would receive a response when the command was received. This is only the case when writing to the device. Therefore, a clarification to this Clause has been made to show that when attempting to write to the device, a response is received on receipt of the command and not after execution.

Table 1

### 2.2. Changes related to IOC

Drafting Reference	Description
18.1(j)	<p>There was a limitation on all Itron GSME's whereby the Standing Charge could not be greater than 32,767 millipence, or 32.767 pence. This was a limitation in the comms hub firmware which has been rectified in firmware version 03:36:53:37.</p> <p>A new column in DMVES has been added where the comms hub has firmware version 03:36:53:37 and indicates that Clause 18.12 (j) does not apply in this case.</p>
18.1(cc)	<p>The Elster ESME does not support the setting of a tariff on the device if the Season Start Date has a Non-Specified Month or Non-Specified Day of Week. Users need to supply a Specified Month or Specified Day of Week if they want to avoid having their tariff rejected.</p> <p>A new Clause has been added to clarify this.</p>
18.1(dd) 18.26(g)	<p>The IOC S1SP will replace any Specified Day of Week in any Tariff Special Day definition with a Non-Specified Day of Week. This applies to all IOC ESME's.</p> <p>This will avoid, for example, the Special Day only being in effect when Christmas Day falls on a Tuesday.</p> <p>This will also be reflected in the tariff that is read back via SRV4.11.1</p>

Table 2

## 2.3. Changes related to Secure

Drafting Reference	Description
Annex C	<p>DCC identified an issue in Spring 2022 with the Secure Prepayment Interface Device (PPMID) which stops showing gas consumption data once it is migrated into the DCC Systems. DCC addressed this issue for devices migrated after March 2022, but the issue still remains for those devices that were migrated prior to this time.</p> <p>DCC has added a new row to Table 16 of the S1SR. When an SRV 6.6 is targeted at a GSME and received by the S1SP, the S1SP will also additionally configure the device to publish consumption on the HAN in kWh and m<sup>3</sup> which will allow the PPMID to correctly display any gas consumption data.</p> <p><b>Therefore, DCC would encourage all users, for any installations that were migrated prior to April 2022, to send an SRV6.6 that is targeted at the GSME at the earliest opportunity following designation of this clause in the S1SR.</b></p> <p>DCC also clarifies that the entries in Table 16 within Annex C only apply to Secure Devices.</p>

Table 3

## 2.4. Changes related to FOC

In April 2022, DCC consulted on a number of changes, but has yet to conclude on this consultation and has not implemented any of the associated technical changes. To avoid any confusion in having different red-lined versions of the S1SR, these changes have been included in the red-lined S1SR text attached to this consultation. DCC has identified that some of these clauses require minor amendments to correctly reflect the Device Specific Behaviours and DCC is accordingly consulting on these minor changes as part of this consultation. DCC has identified these changes in the table below.

Drafting Reference	Description
18.18(l)	<p>Previously consulted</p> <p>This new Clause documents the fact that some L+G ESMEs have been configured not to take a Billing Data Log snapshot when the Billing Calendar is set to daily frequency. Therefore, if you have the daily billing configured then you may not see a daily snapshot in the response to an SRV4.4.3.</p>
18.23(f)	<p>Previously consulted upon but further amendment proposed</p> <p>The Trilliant GPF does not support the retrieval of more than 24 hours' worth of profile data in one request. Therefore, any response will have the earliest 48 available timestamped values from the device within it.</p> <p>This behaviour differs slightly if a schedule has been configured by the supplier, and the daily push (see below) enabled. In this case, the current contents of the S1SP buffer will be returned in the response.</p> <p>We have previously consulted on this Clause but DCC has amended this Clause to aid understanding and better reflect the actual behaviour.</p>

Drafting Reference	Description
<p>18.22(h)</p> <p>18.23(f)</p> <p>18.24(f)</p>	<p>Previously consulted upon but further amendment proposed</p> <p>An addition to the S1SR to describe the S1SP processing for Profile Data.</p> <p>When the Supplier sets up a schedule without a Schedule End Date, to collect any profile data from the device, the S1SP configures the device to push the relevant data to the S1SP on a nightly basis. This data contains the previous day's (in local time) profile data and is stored within the S1SP and used to satisfy any subsequent request for profile data from any user. If the request cannot be fully satisfied by using the data within the S1SP database, then the S1SP will collect the missing data directly from the device. When the Schedule is removed, e.g. on a Change of Tenancy, or Change of Supplier, then all of the profile data is removed from the S1SP database. The S1SP will only keep the last 25 hours of profile data in its database.</p> <p>DCC has previously consulted on this change but has made a correction to a typographical error in this revised drafting.</p>
<p>18.22(i)</p>	<p>Previously consulted upon</p> <p>Some L+G Devices have been configured for the daily push to occur at a random time between 05:30 and 23:30 hours. If this is the case, then when the supplier sets up a new schedule to collect profile data that enables the daily push then the device will be configured to push this data at a random time between 00:30 and 05:30 hours.</p> <p>Note: This clause has been added to section 18.22 for SRV 4.8.1 as there is no Section for SRV5.1 – Create Schedule and creating a new section would destroy subsequent numbering.</p>
<p>18.27(p)</p>	<p>Previously consulted upon</p> <p>The Non-Disablement Calendar (NDC) cannot be read back from the device directly. To cater for this the S1SP stores a copy of the NDC when the user executes SRV2.1. Therefore, if the user hasn't executed an SRV2.1 the S1SP can't return a response to this SRV.</p> <p>This clause was inadvertently removed in a previous version and is now proposed to be reinstated.</p>

Table 4

This consultation invites views from stakeholders on the proposed amendments to the S1SR that are identified in Tables 1 to 4 above. In particular, we are inviting responses to the following consultation questions:

<p><b>S1SR Q1</b></p>	<p>Do you agree with the proposed amendments to the S1SR that are set out in this consultation document, that have been added to describe the device specific behaviours? Do you have any detailed comments on the relevant changes to the legal drafting? Please provide a rationale for your views.</p>
<p><b>S1SR Q2</b></p>	<p>Do you agree with mappings of S1SR to the relevant Device Models in Device Model Variations to Equivalent Steps (DMVES)?</p>

### 3. Next Steps

Following the closure of this consultation, DCC will take into account respondents' views. DCC will amend the S1SR and DMVES as appropriate and will submit an amended version of the S1SR to 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) by no later than 20 February 2023. This report will contain DCC's consideration of the consultation and its responses as well as a version of the S1SR that DCC considers is appropriate to designate into the SEC.

DCC has discussed the re-designation of the S1SR with BEIS and it is proposed that, subject to timely receipt of DCC's report and copies of relevant stakeholder responses to this consultation, BEIS will re-designate the S1SR on 21 March 2023 (or as soon as reasonably practicable within one month thereafter).

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

#### S1SR Q3

Do you agree with the proposed re-designation date of 21 March 2023 (or, if necessary, as soon as reasonably practicable within one month thereafter) for the updates to the S1SR using draft notification at Attachment 1?

### 4. How to Respond

Please provide responses by 1600 on 10 February 2023 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 Department for Business, Energy and Industrial Strategy (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).

### 5. Attachments

- Attachment 1: SEC Appendix AM SMETS1 Supporting Requirements v12.1 – redlined
- Attachment 2: SEC Appendix AM Annex A Device Model Variations to Equivalent Steps Matrix v12.1
- Attachment 3: S1SR January 2023 consultation Response Template

## **Attachment 1**

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

### **S1SR 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 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 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 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.*