Smart Energy Code

Attachment A – Draft Legal Text:
SECMP0006 'Specifying the number of digits for device display'

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Set out below is the draft SEC legal text that will deliver the intent of the SECMP0006 proposed solution. The changes have been drafted against SEC Version 5.6[1].

SEC Schedule 9 – Smart Metering Equipment Technical Specifications Version 2 changes

SECMP0006 will result in a new version of SMETS. The changes provided below have been drafted against SMETS v2.0, if the modification is approved and implemented, the changes will form part of and result in a new version of SMETS. The new version number will depend on prior changes being implemented.

Add the following 3 sections to SMETS:

4.4.5.1 Presentation of information on the User Interface

For each of the values currently stored in the *Consumption Register(4.6.5.4)*, the *Tariff Block Counter Matrix(4.6.5.19)* and the *Tariff ToU Register Matrix(4.6.5.20)*, GSME shall be capable of displaying a value calculated from the stored value by:

i. converting the stored value in to a decimal, integer number of thousandths of metres cubed, rounding the stored value down to the nearest thousandth of a metre cubed;
ii. discarding all except the eight least significant decimal digits so produced;
iii. adding leading zeros so that there are exactly eight decimal digits; and
iv. placing the decimal point separator between the fourth and third least significant digits.

5.5.4.1 Presentation of information on the User Interface

For each of the values currently stored in the *Active Import Register [INFO](5.7.5.3),* the *Active Export Register [INFO](5.7.5.2),* the *Tariff ToU Register Matrix [INFO](5.7.5.34),* and the *Tariff ToU Block Register Matrix(5.7.5.35),* ESME shall be capable of displaying a value calculated from the stored value by:

i. converting the stored value in to a decimal, integer number of kilowatt hours, rounding the stored value down to the nearest kilowatt hour;
ii. discarding all except the five least significant decimal digits so produced; and
iii. adding leading zeros so that there are exactly five decimal digits.

5.11.1.1 Presentation of information on the User Interface

For each of the values currently stored in the *Active Import Register [INFO](5.7.5.3) ,* the *Active Export Register [INFO](5.7.5.2),* the *Secondary Active Import Register [INFO](5.13.2.11)*, the *Tariff*

[1]Note that if a new version of the SEC is designated before the submission of the Final Modification Report to the Change Board or Authority, the drafting will be checked to make sure there are no consequential impacts. Our current understanding is that the specifications that SECMP0006 is amending are not expected to change as part of any forthcoming designations.

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ToU Register Matrix [INFO](5.7.5.34), the *Tariff ToU Block Register Matrix(5.7.5.35)* and the *Secondary Active Tariff Price [INFO](5.13.2.9),* ESME shall be capable of displaying a value calculated from the stored value by:

i. converting the stored value in to a decimal, integer number of kilowatt hours, rounding the stored value down to the nearest kilowatt hour;
ii. discarding all except the five least significant decimal digits so produced; and
iii. adding leading zeros so that there are exactly five decimal digits.

5.17.3 Presentation of information on the User Interface

Presentation of information on the User Interface (5.5.4.1) in Part A shall not apply to ESME.

For each of the values currently stored in the *Active Import Register [INFO](5.7.5.3),* the *Active Export Register [INFO](5.7.5.2),* the *Tariff ToU Register Matrix [INFO](5.7.5.34),* and the *Tariff ToU Block Register Matrix(5.7.5.35),* ESME shall be capable of displaying a value calculated from the stored value by:

i. converting the stored value in to a decimal, integer number of kilowatt hours, rounding the stored value down to the nearest kilowatt hour;
ii. discarding all except the six least significant decimal digits so produced; and
iii. adding leading zeros so that there are exactly six decimal digits.

Note that a new section for Polyphase is required, because the required number of decimal digits is different than on a Single Element ESME.

To require that Active Export Register is displayed on Twin Element ESME in line with Single Element and Polyphase ESME, revise the text in **section 5.11.1** as follows (deletion shown by red strike through and addition shown by red underlining):

xxi. the *Secondary Active Tariff Price [INFO](5.13.2.9) [PIN];* ~~and~~
xxii. the *Event Log(5.7.5.16)* and the *Power Event Log(5.7.5.25)* (with the exception of any Personal Data)~~.~~; and
xxiii. the *Active Export Register [INFO](5.7.5.2)*.

ESME shall be capable of displaying the *Security Log(5.7.5.31)* on its User Interface following physical access through the Secure Perimeter of ESME.

SEC Schedule 11 – Technical Specifications Applicability Tables changes

The changes to SEC Schedule 11, capture the addition of the new version of SMETS that will arise from SECMP0006 if approved. At this time, the end date of SMETS v2.0 has not be tracked changed, as it is expected that these changes will be captured as part of the changes associated with Release 2.0 (in February 2018) that are being progressed through transitional governance.

Table 1 SMETS and Relevant Versions of GBCS

SMETS Version	Installation Start Date	Installation End Date	Maintenance Start Date	Maintenance End Date	Relevant GBCS Version(s)	GBCS Applicability Period Start Date	GBCS Applicability Period End Date
SMETS v1.2	18/12/12	Not yet determined	18/12/12	Not yet determined	Not applicable	Not applicable	Not applicable
SMETS v2.0	30/09/16	Not yet determined	30/09/16	Not yet determined	GBCS v1.0	30/09/16	Not yet determined
SMETS v[X.X]	TBC[2]	Not yet determined	TBC[3]	Not yet determined	[TBC][4]	[TBC]	Not yet determined

[2] The “Installation Start Date” will be the SECMP0006 implementation date, which is to be recommended following this Working Group Consultation.
[3] The “Maintenance Start Date” will be the same as the “Installation Start Date”.
[4] As SECMP0006 does not impact GBCS, the “Relevant GBCS Version(s)” will be the version of GBCS that is active at the point of implementation.