

What stage is this document in the process?

01	Modification Proposal
02	Initial Modification Report
03	Draft Modification Report
04	Final Modification Report

Stage 01: Modification Proposal

SECMPO0005:

Include Tariff and Register Labels in SMETS2 Devices

Include Tariff Label and Register Labels in smart metering devices and to allow them to be published on the HAN for display to the customer via HAN devices (e.g. IHD). The Tariff Label will allow suppliers to be able to label the product as well as ensuring the capability for displaying on the HAN devices (e.g. IHD) so that the customer is always aware of the product configured on the smart meter. Similarly, Register Labels allow suppliers to give smart meter registers a customer friendly name such as 'Day' or 'Night' or 'Weekend' rather than R1, R2 or R3.

The Proposer recommends that this Modification should be (delete as appropriate):



- progressed as a Path 2: Authority Determined

This Modification Proposal should:

- be assessed by a Work Group



Medium Impact:

This change will impact SMETS2, CHTS, GBCS, and DUIS. It will impact Energy Suppliers, DCC, equipment manufacturers, and other DCC Users.

MODIFICATION PROPOSAL FORM V1.0

1. Proposer's Contact Details

Details of Proposer

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Representative as Point of Contact

Details of Representative's Alternate

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2. Modification Proposal Details

Mod Submission Date:	2/03/2016
Title of Mod Proposal:	Include Tariff and Register Labels in SMETS2 Devices
Description in Detail of the Proposed Modification:	The protocols (ZSE and DLMS COSEM) currently support a Tariff Label and multiple Register Labels. The Tariff Label will allow suppliers to label the product on any smart meter as well as ensuring the capability for displaying on HAN devices (e.g. IHD) is there (once published on the HAN by the smart meter) so that the customer is always aware of the product configured on the smart meter. Similarly, Register Labels allow suppliers to give smart meter registers a customer friendly name such as 'Day' or 'Night' or 'Weekend' rather than R1, R2 or R3 – these would then be published on the HAN so that HAN devices (e.g. IHD) can display them for the customer. This will lead to a much richer customer experience and allow the consumer to better understand their energy use by having both the Tariff Label and Register Labels visible on the IHD. This Modification Proposal seeks to extend the SMETS2 requirements to Tariff and Register Labels. We also note the following based on our understanding: Costs and benefits: we believe the costs will be minor and will be outweighed by the benefits for consumers in providing clarity for the tariff they are on in a plain English description.

- The impact on equipment timescales: no impact / minimal.
- Consultation with manufacturers: we have consulted with BEAMA and EUA who are supportive of the change.
- Alternatives considered: we have considered this and the options are to include or not to include.
- Consumer impact: this will be highly beneficial to consumers as it allows for the consumer to be better informed about their tariff and energy usage by simplifying the information available to them on the IHD.

This Modification is aimed at a June 2017 (Release 2) implementation.

3. Path Type and Urgency Recommendation

Proposer's recommendations on Path Type (delete as appropriate)

Path 2

Statement for recommended Path Type:

The proposal satisfies one or more of the criteria for a Path 2 Modification and a Path 2 is therefore recommended.

Statement of whether Proposal is intended to be Fast-Track Modification (only Panel may raise this type of modification):

N/A – this is not intended to be a Fast-Track Modification.

Is the Proposal Urgent? (delete as appropriate)

No

Statement of whether Proposal should be treated as an Urgent Proposal:

N/A – this is not intended to be an Urgent Modification.

4. Modification Impact Assessment

4.1 SEC Objectives

Facilitation of SEC Objectives		Tick
General SEC Objectives (C1.1)		
(a) the first General SEC Objective is to facilitate the efficient provision, installation, and operation, as well as interoperability, of Smart Metering Systems at Energy Consumers' premises within Great Britain;		☐
(b) the second General SEC Objective is to enable the DCC to comply at all times with the General Objectives of the DCC (as defined in the DCC Licence), and to efficiently discharge the other obligations imposed upon it by the DCC Licence;		☐

(c) the third General SEC Objective is to facilitate Energy Consumers' management of their use of electricity and gas through the provision to them of appropriate information by means of Smart Metering Systems;	☒
(d) the fourth General SEC Objective is to facilitate effective competition between persons engaged in, or in Commercial Activities connected with, the Supply of Energy;	☐
(e) the fifth General SEC Objective is to facilitate such innovation in the design and operation of Energy Networks (as defined in the DCC Licence) as will best contribute to the delivery of a secure and sustainable Supply of Energy;	☐
(f) the sixth General SEC Objective is to ensure the protection of Data and the security of Data and Systems in the operation of this Code;	☐
(g) the seventh General SEC Objective is to facilitate the efficient and transparent administration and implementation of this Code.	☐
Transition Objective (X1.2)	
X1.2 The objective to be achieved pursuant to Section X: Transition is the efficient, economical, co-ordinated, timely, and secure process of transition to the Completion of Implementation.	☐
Charging Objectives (C1.3) (in respect of the Charging Methodology)	
C1.4 The First Relevant Policy Objective: (a) applies in relation to Smart Metering Systems installed (or to be installed) at Domestic Premises; and (b) requires the Charging Methodology to ensure that Charges (other than Charges for Elective Communication Services) in respect of such Smart Metering Systems do not distinguish (whether directly or indirectly) between Energy Consumers at Domestic Premises in different parts of Great Britain.	☐

C1.5 The Second Relevant Policy Objective is that, subject to compliance with the First Relevant Policy Objective, the Charging Methodology must result in Charges that:

- (c) facilitate effective competition in the Supply of Energy (or its use) under the Electricity Act and the Gas Act;
- (d) do not restrict, distort, or prevent competition in Commercial Activities that are connected with the Supply of Energy under the Electricity Act and the Gas Act;
- (e) do not deter the full and timely installation by Energy Suppliers of Smart Metering Systems at Energy Consumers' premises in accordance with their obligations under the Energy Supply Licence; and
- (f) do not unduly discriminate in their application and are reflective of the costs incurred by the DCC, as far as is reasonably practicable in all of the circumstances of the case, having regard to the costs of implementing the Charging Methodology.



Statement of how the proposed variation would better facilitate the achievement of the SEC Objectives:

Please outline your reason for raising this Modification and how implementation of the variation would better facilitate the achievement of one or more of the SEC Objectives, than if the variation were not made.

(c) the third General SEC Objective is to facilitate Energy Consumers' management of their use of electricity and gas through the provision to them of appropriate information by means of Smart Metering Systems;

The SMIP will herald a new level of interaction between consumers, their energy use and their suppliers. Including Tariff and Register Labels for display on the IHD will allow consumers to better understand their tariff and their usage and better understand and be able to reconcile with their cost of consumption and ultimately their bill. This would help better simplifying the information available to customers and delivering the expected IA benefits. The impacts of not doing this will not support the delivery of these benefits.

4.2 Impacts

Statement of impact on Greenhouse Gas Emission:

There is no material impact on Greenhouse Gas Emissions.

Statement of impact on which parts of the SEC would need amending (e.g. proposed legal drafting):

SMETS2 ESME and GSME sections:

Include new data items with the Configuration Data section for both the ESME and GSME to include (new data items are underlined):

Tariff Label

The name of the tariff in operation e.g. "Economy 7"

Tariff TOU Register Names

GSME:

A 1 x 4 matrix containing names for Time-of-use registers.

ESME:

A 1 x 48 matrix containing names for Time-of-use registers.

Include these new data items within the Set Tariff command for ESME and GSME.

We expect that these data items would be made available on the HAN by the ESME and GSME (via the GPF). We have considered the option of updating these into existing data items but we believe the option recommended above is more appropriate.

Some specific points to note:

- The ESME and GSME do not need to display the Tariff Label and Register Labels on their display – they just need to be able to publish the information on the HAN for the IHD to get.
- The messages required to update the IHD are HAN only.

We have discussed this proposal with manufacturers through EUA and BEAMA. We understand that devices and the protocols can deliver the change required.

GBCS

GBCS will need to be amended to reflect and align any changes in SMETS2 – please see the Additional Information section 5 of this Modification which covers the draft DECC proposed solution for updating GBCS (as well as SMETS2) as per CRP 027.

DUIS and MMC

DUIS will need to be amended to reflect these new data items (within the relevant Service Requests for updating tariff / price information and reading them) to align with GBCS and SMETS2. The DCC will need to support the drafting of these changes, through input into the Working Group discussions

Testing

Assurance of the overall process will need to be considered – this includes activities such as interface testing with DCC as well as device level certification and testing.

Statement of impact on likely changes to other Energy Codes:

N/A

Statement of impact on likely Party Categories:

Large Supplier Parties	☒	Small Supplier Parties	☒
Electricity Network Parties	☐	Gas Network Parties	☐
Other SEC Parties	☒		

Suppliers are the DCC Users who are eligible to use the relevant Service Request(s) to update tariff / price information on the ESME and GSME (and GPF). Suppliers and Other Users can also use the relevant Service Request(s) to read tariff / price information from the ESME and GSME (or GPF).

Other SEC Parties, such as meter and or device manufacturers, need to be aware of the requirement for the meters to send the HAN messages and for IHDs to display this new customer-centric information.

Statement of impact on Central Systems:

DCC Systems	☒	User Systems	☒
Smart Metering Systems and/or Communications Hubs	☒	Other (i.e. on Smart Metering Key Infrastructure, or security)	☐

Suppliers will need to be able to populate the data in the relevant Service Request and keep the information up to date and accurate in line with their customer billing systems.

The ESME and GSME (via the GPF) need to receive and hold the new data and to send the HAN messages to the IHDs to display.

5. Proposed Timetable

Proposed Timetable for Modification Proposal:

The proposed timetable below has been built around a June 2017 implementation date, noting that the implementation date may need to move back, based on the necessary implementation (and testing lead times), if the Modification is approved.

The proposed timetable includes some assumed timescales for the turnaround of DCC's detailed Impact Assessments (40 Working Days) and Authority (SoS) determination (25 Working Days),

The proposed timetable doesn't currently capture the three month EC notification pause if the changes associated with this Modification require EC Notification as part of the Authority (SoS) approval process.

Stage	Start	Finish
Stage 1 - Modification Proposal Raised	Thu 18/02/16	Fri 04/03/16
Stage 2 - Panel reviews IMR	Mon 07/03/16	Fri 11/03/16
Stage 3 - Refinement process*	Mon 21/03/16	Fri 02/09/16
Working Group 1	March 2016	
Working Group 2	May 2016	
Working Group 3	July 2016	
WG Consultation	August 2016	
Working Group 4	August 2016	
Stage 4 - Modification Report stage**	Mon 05/09/16	Wed 12/10/16
Stage 5 - Change Board vote	Thu 13/10/16	Wed 19/10/16
Stage 6 - Authority Decision	Thu 20/10/16	Fri 25/11/16
Implementation	June 2017	

*The Refinement Process includes several additional steps, which will be outlined in more detail in the Initial Modification Report.

** Includes second consultation on the Modification Proposal, followed by Panel's review of the Draft Modification Report, and Panel's decision on whether to proceed to a Change Board vote on the Modification Proposal.

6. Additional Information

Additional information:

This change proposed has previously been discussed and impact assessed by the DCC and DCC Users at the Technical and Business Design Group (TBDG) as RFC SMIP-RFC-027 which was raised by Energy UK.

Additionally, DECC has drafted a CRP (027) in May 2015 following TBDG approval to cover the changes required to SMETS2 and GBCS for consideration by TSIRS in line with the DECC Issues Management Process – that draft CRP file is embedded below:



CRP027%20Tariff%20
and%20Regi

Testing: any new functionality (be it changes to DCC systems and/or devices) will need to undergo the relevant testing, certification or assurance where appropriate.

APPENDIX 1: Glossary of Terms

The table below illustrates useful definitions of the terms used in this form. If you require any further information please contact the [SECAS Helpdesk](#).

Term	Definition
DCC Systems	Means the Systems used by the DCC and/or the DCC Service Providers in relation to the Services and/or this Code (Section A1, SEC Stage 3.0). The Proposer may wish to consider anticipated impacts on the DCC Licensee's enterprise systems (e.g. billing) or the Data Service Provider or Communications Service Providers.
Fast-Track Modifications	Means Modification Proposals (Path 4 Modifications) to correct typographical or other minor errors or inconsistencies to the Code (Section D2.8, SEC Stage 3.0).
General SEC Objectives	Has the meaning given to that expression in Section C1 (SEC Objectives) (Section C1, SEC Stage 3.0). The SEC Objectives are those objectives that the SEC has been designed to achieve.
Greenhouse Gas Emission	Means emissions of Greenhouse Gases, as defined in section 92 of the Climate Change Act 2008 (Section A1, SEC Stage 3.0).
Other Systems	Other systems identified in the section Statement of Impact on Central Systems. The Proposer may wish to consider Prepayment vendors, Electricity Central Online Enquire Service (ECOES), Single Centralised Online Gas Enquiry Service (SCOGES), BSC Settlement Systems, etc.
Path Type	Means the Modification Path to be followed in respect of a Modification Proposal. The type of Path will depend upon the nature of the variation proposed in the Modification Proposal (D2.1, SEC Stage 3.0). The four Modification Paths under the SEC are: • Path 1 Modifications: Authority-led (Section D2.4/D2.5, SEC Stage 3.0) • Path 2 Modifications: Authority Determination (Section D2.6, SEC Stage 3.0) • Path 3 Modifications: Self-Governance (Section D2.7, SEC Stage 3.0) • Path 4 Modifications: Fast-Track Modifications (Section D2.8, SEC Stage 3.0)

Party Category	Means one of the following categories: (a) the Large Supplier Parties collectively; (b) the Small Supplier Parties collectively; (c) the Electricity Network Parties collectively; (d) the Gas Network Parties collectively; or (e) the Other Sec Parties collectively. (Section A1, SEC Stage 3.0).
Smart Metering Systems	Means a system installed at premises for the purposes of the Supply of Energy to the premises that, on the date it is installed, as a minimum; (a) consists of the apparatus identified in; (b) has the functional capability specified by; and (c) compiles with the other requirements of, the Smart Metering Equipment Technical Specification that is applicable at the date (Section A1, SEC Stage 3.0). In summary, this includes: • Gas Smart Metering Equipment; • Electricity Smart Metering Equipment; • In Home Display; • Prepayment Interface Device; and • HAN Connected Auxiliary Load Control Switch.
Urgent Proposal	Means a Modification Proposal deemed an Urgent Proposal where the Authority directs the Panel to treat the Modification Proposal as an urgent Proposal (whether following a referral by the Panel pursuant to Section D4.5, or at the Authority's own initiation) (Section D4.5/D4.6, SEC Stage 3.0).
User Systems	Means, in respect of each User (DCC User), the Systems of that User (including, where relevant, those of its Supplier Nominated Agent) used in relation to the Services and/or Smart Metering Systems (Section A1, SEC Stage 3.0). The Proposer may wish to consider Suppliers; Network Operators; Registration Data Providers; Other DCC Users (e.g. Authorised Third Parties / Switching Sites); Supplier Nominated Agents.