

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

SECMCP0002:

Add New Command to Reset Debt Registers

This proposal seeks to add a new command to allow users to reset any of the debt registers on a meter.

The Proposer recommends that this Modification should be:



- Path 2 Modification

This Modification Proposal should:

- be assessed by a Work Group



Medium Impact:

Changes to GBCS, SMETS, DUIS & MMC are required and will affect Suppliers, Device Manufacturers and the DCC

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	19/02/2016
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Title of Mod Proposal:	Add New Command to Reset Debt Registers
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Description in Detail of the Proposed Modification:

There are a number of operational scenarios where a Supplier will need to eradicate the debt that is displayed to a consumer on their Smart Metering System. The current command set facilitates the resetting of the debt registers by utilising multiple commands. The Adjust Debt command only allows for a positive or negative adjustment of these registers so a reset can be achieved by reading the value and adjusting by the requisite amount. The value of the adjustment would have to take into account any pending payments or time based debt to be able to calculate the accurate amount. The other mechanism to achieve a reset is to add a large enough credit to the meter so that any excess is rolled onto the Meter Balance and then resetting the Meter Balance.

These two mechanisms do work but are cumbersome to operate. They could also be potentially misleading to a consumer if they happen to be looking at the meter or In Home Display (IHD) at the time these operations were being carried out, or if one of the commands fails for any reason.

Therefore we are proposing to add a new remote command to SMETS2 and a new Use Case to GBCS to allow a user to reset the Debt Registers on a meter that is operating in Prepayment mode. By changing SMETS and GBCS we are expecting the DCC to expose this new use case either through a new DUIS command and MMC response to reset the registers, or a new DUIS command that either resets or adjusts the debt registers in a similar way to how the meter balance can be adjusted or reset using the same command currently.

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3. Path Type and Urgency Recommendation

Proposer's recommendation on Path Type (delete as appropriate)::	Path 2
Statement for recommended Path Type::	
We believe Path 2 is the best path for this modification. However, requirements for DCC Release 2 need to be finalised by June 2016 and it is imperative that this modification is available to users as soon as possible after Release 1.3 is implemented	
Statement of whether Proposal is intended to be Fast-Track Modification (only raise this type of Modification):	
N/A – We are not proposing that the Modification Proposal is treated as a Fast Track Mod	
Is the Proposal Urgent? (delete as appropriate):	No
Statement of whether Proposal should be treated as an Urgent Proposal:	
N/A - We are not proposing that the Modification Proposal is treated as a Urgent Mod	

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.	

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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:

This Modification Proposal will better facilitate:

Objective a) because:

- Suppliers would be able to make more efficient use of the DCC system by replacing two commands with one. This will reduce the traffic across Supplier and DCC systems, reduce the risk of failures.

Objective c) because:

- in sending two commands to perform one 'logical' operation there is a chance that either command could fail or the customer could be looking at their Smart Metering System at the time that these commands were being applied and consequently see misleading information. The proposed new command would minimise the chances of misleading the customer.

4.2 Impacts

Statement of impact on Greenhouse Gas Emission:

We envisage little impact here, although the efficiencies gained by replacing 2 commands with one would mean some positive impact here

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

Additions to SMETS, GBCS and DUIS and MMC would result from implementing this proposal.

Smart Metering Equipment Technical Specification (SMETS2)

A new command would need to be added to the 'HAN Interface Commands' section for each gas and electricity meter device. This command would only be effective when a meter is operating in prepayment mode.

GB Companion Specification (GBCS):

A new use case, with associated new message code would be needed to be added to the tables in the 'Embedded Use Case' section and any associated entries that would be needed in the mapping tables. We are assuming at this stage that the new command would need to be a Critical Command and only executable by the Gas or Electricity Import Supplier.

DCC User Interface Spécification (DUIS):

A new command variant would need to be created. This new command would either reset the debt registers only or it would allow either reset or adjustment of the debt registers as specified in the parameters of the command.

New Error codes may need to be created, if there is specific validation required.

Message Mapping Catalogue (MMC):

New responses would need to be created for the new command variants.

Statement of impact on likely changes to other Energy Codes:

There may be impacts on the Smart Metering Device Assurance (SMDA) testing regime. SMDA may require this new command to be tested as part of any future assurance regime

Statement of impact on likely Party Categories:

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

Please state the reasons behind your choice.

Large and Small Suppliers, would be impacted by this change, although, as these new commands will only be exposed to supplier parties as a new command variant they can choose as and when they implement it, and therefore the level of impact this proposal has.

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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)	☐

Please state the reasons behind your choice.

This new command would need to be implemented in the DCC system, in any supplier system that wishes to take advantage of the new command and would also need to be implemented in any new devices that are required to be SMETS compliant.

5. Proposed Timetable

Proposed Timetable for Modification Proposal:

We are proposing that this change should be implemented as soon as possible after DCC Live (and R1.x). This means that it should be a candidate for 'Release 2'. Current understanding is that the earliest that this Release could be is June 2017, although the precise timings will be affected by the scope and associated leads times of other changes in the release.

The proposed progression timeline below has been put together built around a June 2017 implementation date, noting that the implementation date may need to be flexible to accommodate the necessary implementation (and testing lead times), if the Modification is approved.

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

It doesn't currently capture the 3 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.

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6. Additional Information

Additional information:

This has been discussed at the Technical Specifications Issue Resolution (TSIR) Sub-group of the TBDG. Where it was recommended that this be raised as a change. After subsequent discussion at TBDG and direction by DECC it has been raised as a SEC modification.

Thought will need to be given as to any testing that may be required but at this stage we envisage that a similar UEPT approach will be needed to any future DCC release where new or modified commands are being implemented.

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)

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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.