

Smart Energy Code (SEC) Update

1. Purpose

This paper intends to inform the Uniform Network Code (UNC) Modification Panel, and UNC Parties, of the activities occurring in relation to the SEC. The SEC Panel is due to meet on 9th September 2016, and updates on any relevant outcomes of that meeting will be included in the October 2016 SEC Update provided to the UNC Modification Panel.

2. Code Updates

There has been one new SEC designation since the last UNC Panel meeting. The latest version of the SEC came into effect on 18th August 2016, and included Secretary of State amendments as well as the implementation of the first Modification Proposal raised since the switch on of Industry-led Modification Pathways in February 2016.

The following changes were introduced in SEC 4.15:

- The re-designation of SEC Appendix J: Enduring Testing Approach Document; and
- Amendments to SEC Section D: Modification Process in order to implement SECMP0017 "CGR Phase 3 Outcomes: Code Administrator to chair modification Working Groups".

More information on the latest designation can be found on the latest news articles on the [SECAS Website](#).

3. SEC Governance Updates

3.1 SMIP Contingency Request submitted by Smart DCC Ltd: Final decision from BEIS Senior Responsible Officer

The DCC undertook a contingency review for Release 1.2 (R1.2) with the intention of providing a suitable re-plan for delivery. Following the contingency review, the Department for Business, Energy and Industrial Strategy (BEIS) accepted the DCC proposal to move the DCC Live milestone from 17th August 2016 to 30th September 2016. This re-plan allows for completion of SIT activities required for User Entry Process Tests (UEPT), accommodates additional UEPT preparatory activities and provides more time for DCC to ensure the production platform is available and stable prior to DCC Live. DCC will amend the readiness date for Interface Testing and End to End Testing formally as soon as possible.

3.2 Contingency Request for DCC Release 1.3 (R1.3)

The DCC undertook a contingency review for R1.3 at the end of June with the intention of providing clarity on the changes to the timing of milestones for R1.3. Following the Contingency Review, the DCC proposed the following dates for R1.3 activities:

- SIT Solution Testing completion to move from 5th September 2016 to 28th October 2016;
- UEPT commencement date to move from 12th September 2016 to 7th November 2016; and
- R1.3 Live date to move from 26th September 2016 to 12th December 2016.

DCC have now concluded their consultation on the above, and submitted their response to the consultation to BEIS on 31st August 2016. Stakeholders raised matters including the importance of combining views of plans for R1.2 and R1.3, timing for the completion of the User Entry Process Testing (UEPT) and the proximity of R1.3 to the 2016/2017 winter holiday period. DCC noted the concerns, and while the dates proposed have remained as per their proposal, the DCC has committed to additional monitoring and strategy development in some areas. The Senior Responsible Officer (SRO) of BEIS will review the DCC's submission and look to make a final decision as soon as possible.

4. SEC Modification Update

Since the August 2016 UNC Panel meeting, no new Modification Proposals have been submitted.

The SEC Panel agreed in the August 2016 SEC Panel meeting for the SECMP0019 Modification Proposal to proceed to the Refinement Process stage of the SEC Modification Process. The SEC Panel agreed SECMP0019 should be allocated to Working Group 1 because its members' expertise align with the suggested requirements.

SECMP0017 Modification Proposal was implemented on 17th August 2016, following the end of the 10 Working Day Self-Governance referral window.

On 8th August 2016, the Proposer notified SECAS to withdraw SECMP0014 Modification Proposal. SECAS did not receive any expression of intent from any SEC Party to adopt the modification, therefore the Modification Proposal was officially withdrawn on 22nd August 2016 and is now marked as closed.

Table one provides an update on the status of the sixteen Modification Proposals that are in the Refinement stage.

Working Group	Modification Proposal #	Modification Proposal Title	Update
WG1	SECMP0002	Add New Command to Reset Debt Registers	Working Group 1 met on 30 th August 2016.
	SECMP0003	Deficiencies in the Service Request for setting Maximum Demand Configurable Time	
	SECMP0005	Inclusion of Tariff and Register Labels on SMETS2 Devices	
	SECMP0006	Specifying the number of digits for device displays	
	SECMP0007	Firmware updates to mandated HAN devices	

	SECMP0015	GPF timestamp for reading instantaneous Gas values	
	SECMP0018	Standard Electricity Distributor Configuration Settings	
	SECMP0019	Auxiliary Load Control Switches (ALCS) Description Label	
WG2	SECMP0004	Inclusion of Meter Serial Number data item in the Smart Metering Inventory	Working Group 2 met on 26 th August 2016.
	SECMP0008	Provision of a DCC Alert (formerly Service Request Error Response) for Quarantined Service Requests	
	SECMP0011	Including the MAP ID in the Smart Metering Inventory	
WG3	SECMP0009	Centralised Firmware Library	Working Group 3 met on 2 nd September 2016.
WG4	SECMP0010	Introduction of triage arrangements for Communication Hubs	Working Group 4 met on 5 th September 2016.
	SECMP0012	Channel selection to support Shared HAN Solutions	
	SECMP0013	Smart meter device diagnostics and triage	
WG5	SECMP0016	Consideration of "Maximum Credit" value in credit cover calculation	Working Group 5 met on 5 th August 2016 and will meet again 19 th September 2016.

Table one: Modifications Proposals Update

Further information on the SEC Modification Proposals can be found on the [SEC Website Modifications Register](#).

Each month, SECAS prepares a Modification Status Report for the SEC Panel. This report provides the latest information on Modifications Proposals currently progressing within the Modification Process. The September 2016 Modification Status Report is attached as Appendix A to this paper.

The Modifications listed above do not have a direct impact on the UNC Modification Panel.

5. Next Meeting

The next SEC Panel meeting is scheduled for Friday, 9th September 2016.

Kayla Reinhart

SECAS Team

7th September 2016

Smart Energy Code Administration and Secretariat (SECAS)

SECAS Helpdesk: +44 (0) 20 7090 7755

Email: secas@gemserv.com

Appendix A – Modification Status Report (September 2016)

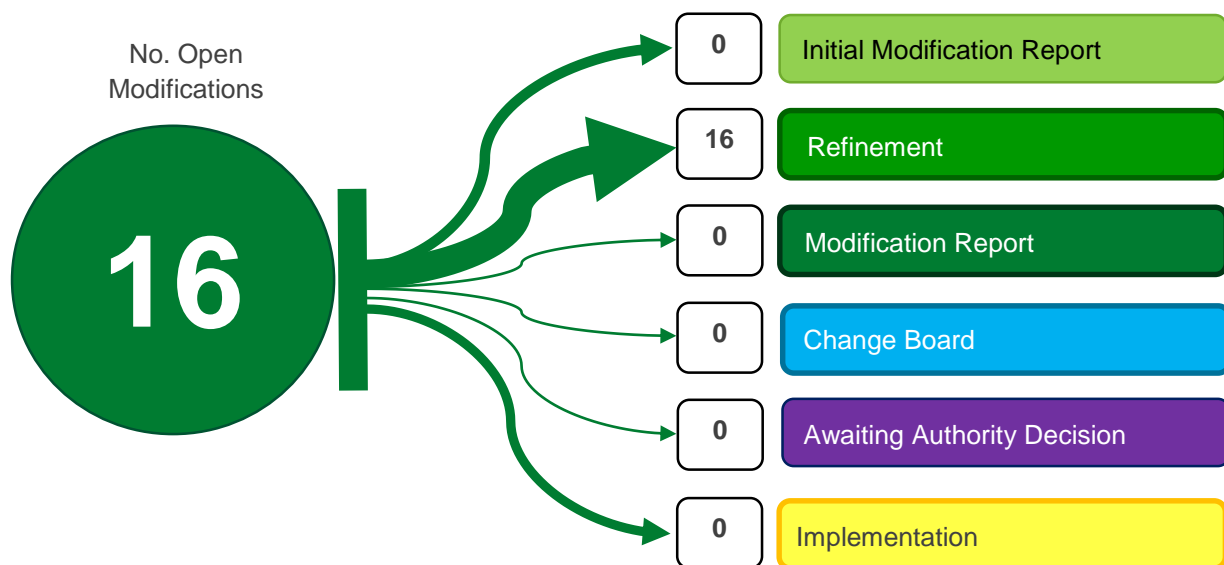


Modification Status Report
September 2016
FOR INFORMATION

1. Summary

This report provides a monthly update on the status and progress of SEC Modification Proposals, highlighting key information and decisions made. This report covers the period between the August 2016 and September 2016 SEC Panel meetings. Further information can be found in the Modifications Register and/or on the Modification Proposal [webpages](#).

1.1. Status of Open Modification Proposals



1.2. New Modification Proposals

There are no new modifications this month.

1.3. Approvals and rejections

The following decisions have been made in the last month.

- The SEC Panel agreed that SECMP0019 (Auxiliary Load Control Switch (ALCS) Description Labels) should undergo refinement.
- No approvals or rejections by the Change Board.
- No approvals or rejections by the Authority.

2. Highlights from the last month

2.1 Modification Highlights

SECMP0014 – Standardise Formatting of Device ID

On the 8th August 2016, the Proposer stated that they wished to withdraw the modification. SECAS received no expression of intent to adopt the modification, therefore the modification was officially withdrawn on the 22nd August 2016. It is now marked as closed.

SECMP0017 – CGR Phase 3 outcomes: Code Administrator to chair modification Working Groups

The Modification Proposal was implemented on 17th August 2016, following the end of the 10 Working Day Self-Governance referral window.

2.2 Working Group Highlights

Working Group 1: Modifications that affect Technical Specifications, Devices and associated processes

Working Group (WG) 1 met on the 30th August 2016 and made progress further refining five modifications. An alternative solution for SECMP0003 (Deficiencies in the Service Request for setting Maximum Demand Configurable Time) was discussed but not progressed after the WG concluded that it was unfeasible.

SECAS presented the solution design document for SECMP0015 (Add Timestamp to Read Instantaneous Prepay Values response message), which set out the necessary changes to SEC documentation to support the modification. The WG clarified several points during the discussion of the solution design document.

SECMP0018 (Standard Electricity Distributor Configuration Settings), which was approved for refinement by Panel in July, and SECMP0019 (ALCS Description Labels) were introduced and discussed. The next step is for SECAS to work with the Proposers to prepare formal requirements and identify the impacted SEC documents and associated changes.

Working Group 2: Modifications that focus mainly on the DCC's Smart Metering Inventory (SMI) and DCC specific Service Requests and Alerts

WG2 met on 26th August 2016. The WG's principal focus was clarifying requirements around SECMP0011 (Inclusion of MAP ID in the SMI). The WG discussed MAP ID validation and a proposed additional report for MAPs, relating to the MAP ID information that is proposed to be included in the SMI by SECMP0011. After some discussion, the WG considered that the report would not be cost-effective and should not be included in the solution. Further progress on this modification will require receipt of the Preliminary Assessment from DCC, which is due on 16th September 2016.

The WG further refined SECMP0004 (Inclusion of Device Serial Number data item in the SMI) and SECMP0008 (Provision of a DCC Alert for Quarantined Service Requests) with a particular focus on the benefits of the change. The WG also discussed implementation activities regarding the required backfilling process for the new data items that SECMP0004 and SECMP0011 would introduce into the SMI.

Working Group 3: Centralised Firmware Library

A key output from the previous WG was that since the high level principles that would support the solution's requirements had been agreed, the technical aspects of the work involved needed further elaboration. To this end, Use Case scenarios, a breakdown of responsibilities, and liabilities for everyone involved in the

process, and procurement and provision suggestions have been prepared for discussion at the next meeting on 2nd September 2016.

Working Group 4: Modifications that mainly relate to Communication Hubs and Device Testing

At WG4's meeting in July, WG Members noted further offline work was needed to progress the three modifications in this WG (SECMP0010: Introduction of triage arrangements for Communication Hubs, SECMP0012: Channel selection to support Shared HAN solutions, and SECMP0013: Smart meter device diagnostics and triage). To this end, SECAS and Proposers have prepared either new or refined Business Requirements for each modification for discussion at the next meeting on 5th September 2016.

Working Group 5: Governance-focused modifications

This WG discussed SECMP0016 (Consideration of "Maximum Credit" value in credit cover calculation) for the first time on 5th August 2016. SECAS are currently looking into credit cover arrangements and credit related change proposals across other industry codes. Also, the DCC are preparing a model of scenarios to indicate the impacts of default in the proposed solution versus the current credit arrangements. These matters will be discussed at the next WG meeting on 19th September 2016.

3. Modification Proposal Progress

This table summarises the progress of all open Modification Proposals. For further details, please see the [Modifications Register](#).

Mod Ref	Title	Status	Indicative Timetable				
			Sep	Oct	Nov	Dec	Jan
SECMP0002	Add New Command to Reset Debt Registers	The WG has refined the modification into a set of requirements and are currently awaiting DCC Preliminary Assessment of the proposed solution. No alternative solutions have been raised at this stage. SECAS is drafting a Refinement Consultation document for the WG to review.	DCC PA / WG meeting	DCC IA		Refinement Consultation / Final WG meeting	Panel reviews Draft Modification Report
SECMP0003	Deficiencies in the Service Request for setting Maximum Demand Configurable Time	The WG has refined the modification into a set of requirements and are currently awaiting DCC Preliminary Assessment of the proposed solution. SECAS is drafting a Refinement Consultation document for the WG to review.	DCC PA / WG meeting	DCC PA	DCC IA		Refinement Consultation / Final WG meeting
SECMP0004	Inclusion of Device Serial Number data item in the Smart Metering Inventory	The WG has refined the modification into a set of requirements and are currently awaiting DCC Impact Assessment of the proposed solution. No alternative solutions have been progressed. SECAS are working with the DCC on establishing a backfilling process for already installed assets. This process will act as a base for all modifications seeking to add new fields to the SMI.	DCC IA / WG meeting	Refinement Consultation / Final WG meeting	Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority

Mod Ref	Title	Status	Indicative Timetable				
			Sep	Oct	Nov	Dec	Jan
SECMP0005	Include Tariff and Register Labels in SMETS2 Devices	The WG has refined the modification into a set of requirements and are currently awaiting DCC Preliminary Assessment of the proposed solution. No alternative solutions have been raised at this stage. SECAS is drafting a Refinement Consultation document for the WG to review.	DCC PA / WG meeting	DCC IA		Refinement Consultation / Final WG meeting	Panel reviews Draft Modification Report
SECMP0006	Specifying the number of digits for device display	The WG has refined the modification into a set of requirements and the DCC have formally confirmed that this modification will have no impact on their systems. No alternative solutions have been raised at this stage. SECAS is drafting a Refinement Consultation document for the WG to review. The WG are aware of a potential impact on the BSC. The WG is awaiting clarification on the SMETS requirements from BEIS which is expected to be covered at the next TSIRS meeting before further discussion on this modification.	WG meeting	Refinement Consultation	Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
SECMP0007	Firmware updates to mandated HAN devices	The WG has refined the modification into a set of requirements and are currently awaiting DCC Preliminary Assessment of the proposed solution. Meanwhile, SECAS is doing further work on the Solution Design Document.	DCC PA		WG meeting / consultation / DCC IA	DCC IA	

Mod Ref	Title	Status	Indicative Timetable				
			Sep	Oct	Nov	Dec	Jan
SECMP0008	Provision of a DCC Alert (formerly Service Request Error Response) for Quarantined Service Requests	The WG has finalised a set of requirements and is currently awaiting DCC Impact Assessment. No alternative solutions have been raised. The WG has asked that further input be sought from the SSC to confirm there are no security concerns around the solution. This was confirmed at the SSC meeting on 31 st August 2016.	DCC IA / WG meeting	Refinement Consultation / Final WG meeting	Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
SECMP0009	Centralised Firmware Library	The WG are refining possible solutions and requirements. Discussion has been centred on data availability and data security.	WG meeting	Possible DCC PA	WG meeting / Refinement Consultation / DCC IA	DCC IA	
SECMP0010	Introduction of triage arrangements for Communication Hubs	The WG has refined the modification into a set of requirements and are currently awaiting DCC Preliminary Assessment of the proposed solution.	DCC PA		WG meeting / Refinement Consultation / DCC IA	DCC IA	
SECMP0011	Inclusion of MAP ID in the Smart Metering Inventory	The DCC and SECAS met in order to work through technical processes of how this modification will be implemented. A set of design options were established and were presented at the WG on 26 th September. The WG initially considered progressing SECMP004 and SECMP011 in parallel. However, these will now be progressed separately due to SECMP004 being more advanced in process and complexities in SECMP011 solution. The intent is to still try and implement in the same release.	WG meeting / DCC PA	WG meeting / DCC IA	DCC IA	DCC IA/ WG meeting	Refinement Consultation

Mod Ref	Title	Status	Indicative Timetable				
			Sep	Oct	Nov	Dec	Jan
SECMP0012	Channel selection to support Shared HAN solutions	The WG discussed this modification on 25 th July and requirements are now being drafted by the Proposer. The WG will discuss and refine these requirements at its next meeting, before initiating a DCC Preliminary Assessment.	WG meeting	DCC PA	DCC PA / WG meeting	DCC IA	DCC IA / Refinement Consultation
SECMP0013	Smart meter device diagnostics and triage	Following the 26 th July meeting, the WG agreed on some changes to the original set of requirements. These will be presented to the WG on 5 th September 2016.	WG meeting / DCC PA		DCC PA / WG meeting	DCC IA	DCC IA / Refinement Consultation
SECMP0015	Add Timestamp to Read Instantaneous Prepay Values response message	The WG agreed to the Business Requirements. No alternative solutions have been raised at this stage. The solution design document (SDD) was presented to the WG on 30 th September. The WG clarified several ambiguities, and the SDD will be updated accordingly.	WG meeting / DCC PA	DCC PA	WG	DCC IA	DCC IA / Refinement Consultation
SECMP0016	Consideration of "Maximum Credit" value in credit cover calculation	The first WG meeting was held on 5 th August 2016. The WG are in the process of refining solutions and Business Requirements.	WG meeting	Refinement Consultation	Final WG meeting	Panel reviews Draft Modification Report	Change Board Vote
SECMP0018	Standard Electricity Distributor Configuration Settings	At the July Panel meeting, the Panel agreed for SECMP0018 to proceed to the Refinement Process stage of the SEC Modification Process and should be allocated to WG1. The first WG meeting was held on 30 th August 2016. Following this discussion, SECAS and the Proposer will prepare Business Requirements.	WG meeting	WG meeting	Refinement Consultation	Final WG meeting	Panel reviews Draft Modification Report

Mod Ref	Title	Status	Indicative Timetable				
			Sep	Oct	Nov	Dec	Jan
SECMP0019	ALCS Description Labels	This modification was approved to proceed to the Refinement Process by the Panel on 12 th August 2016. WG1 first discussed the modification on the 30 th August. Following this discussion, SECAS and the Proposer will prepare Business Requirements.	WG meeting	WG meeting	Refinement Consultation	Final WG meeting	Panel reviews Draft Modification Report

4. Release Contents

This section provides a summary of future releases, and highlights modifications that are targeted for, or approved for, a SEC Release date.

June 2017 Release (29th June 2017)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
0002	In development – Proposer target	SMETS2, GBCS, DUIS, MMC	DCC
0003		DUIS, GBCS,	DCC
0004		SMETS2, GBCS, DUIS,	DCC
0005		SMETS2, GBCS, DUIS,	DCC
0006		SMETS2, GBCS, CHTS,	DCC
0007		SMETS2, GBCS, CHTS,	DCC
0008		DUIS, TADP	DCC
0010		CHIMSM, SEC	
0011		DUIS	
0013		DUIS	DCC, SMS
0015		SMETS2, GBCS,	DCC

November 2017 Release (2nd November 2017)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
0009	In development – Proposer target	SEC	
0016	In development – Proposer target	SEC	DCC
0018	In development – Proposer target	GBCS	
0019	In development – Proposer target	DUIS	DCC, DCC Users

February 2018 Release (22nd February 2018)

Mod Ref	Status	Potential Impacts	
		Docs	Systems

0012	In development – Proposer target	SMETS2, GBCS, DUIS, CHTS, MMC, DUGIS	
------	----------------------------------	--	--



Smart Energy Code Administrator and Secretariat (SECAS)

8 Fenchurch Place, London, EC3M 4AJ

020 7090 7755

secas@gemserv.com