

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, including relevant updates from the SEC Panel meeting held on 8th July 2016.

2. Code Updates

As preparations for DCC Live continue to ramp up, three versions of SEC have been designated in June and July 2016.

Copies of all three versions can be found on the [SECAS website](#), and more information about each of the designations can be found under [Latest News](#).

2.1 SEC Version 4.12

On 15th June 2016, the Secretary of State (SoS) directed changes to the SEC. With an effective date of 15th June 2016, SEC 4.12 introduced the following new subsections to Section T and Section X:

- Additional Systems Integration Testing
SEC references: T2.25, T2.26 and T2.27
- Additional Interface Testing
SEC references: T3.34, T3.35 and T3.36
- Testing in respect of Additional Release Services
SEC references: X1.17 and X1.18

These new subsections were introduced to allow the progression of testing activities in preparation for DCC release 1.3.

In addition to the designation of those new subsections, the SoS also amended existing SEC Sections A, C, E, L with mostly minor typographical changes.

2.2 SEC Version 4.13

In accordance with the powers laid out in Section X5, the SoS direction letter dated 5th July 2016 directed changes to the SEC with an effective date of 6th July 2016. SEC 4.13 incorporated the following new Appendices:

- SEC Appendix X: Registration Data Interface Specification
- SEC Appendix Y: Registration Data Interface Code of Connection

In addition, the following two Appendices have been re-designated to reflect previous SEC amendments that permit SECCo to become a subscriber for IKI Certificates for use in connection with digitally signing of the Certificated Products List (CPL) on behalf of the SEC Panel.

- SEC Appendix D: SMKI Registration Authority Policies and Procedures
- SEC Appendix Q: IKI Certificate Policy

In accordance with the powers laid out in Section X6, Section H13 (Performance Standards and Reporting) has been varied to allow the DCC to use a proxy measure for certain Code Performance Measures.

The variation set out in Section X2.4(f) was canceled so that the relevant provisions in Section E2 of the SEC relating to the Registration Data Interface Specification and Registration Data Interface Code of Connection now apply without variation.

Lastly, the SoS designated that the date on which the SEC is first modified to include Section Z – The Alt HAN Arrangements; is the date from which Section Z will have legal effect.

2.3 SEC Version 4.14

On 11th and 12th July 2016, the SoS directed a number of changes to the SEC. With an effective date of 13th July 2016, SEC 4.14 introduced the following:

- SEC Section Z: The Alt HAN Arrangements
- SEC Appendix T: DCCKI Interface Design Specification
- SEC Appendix U: DCCKI Repository Interface Design Specification
- SEC Appendix V: DCCKI CoCo and DCCKI Repository CoCo
- SEC Appendices A, B and C were deleted and re-designated This is a mechanical change to enable the Secretary of State to make any necessary changes to them through the re-designation process, which is already available for other Subsidiary Documents.

In addition, existing Sections A, B, C, E, D, F, G, H, I, K, L, M, T and X have been amended.

The amendments broadly reflect the designation of Section Z, the inclusion of sections pertaining to Special Installation Mesh Communication Hubs, the inclusion of business architecture within the remit of the now Technical Architecture and Business Architecture Sub-Committee, and the activation of the DCCKI Documents.

3. SEC Modification Updates

3.1 Modifications Proposal Status'

Since the June 2016 SEC update, two new Modification Proposals have been submitted. These are outlined in Table one below:

SEC Modification Proposal	Summary of Modification
SECMP0017 – CGR Phase 3 outcomes: Code Administrator to chair modification Working Groups.	The Modification Proposal seeks to amend SEC Section D 'Modification Process' to align it with the outcomes of the Ofgem Code Governance Review (CGR) Phase 3, in that the Code Administrator (SECAS) will chair all Modification Proposal Working Groups, unless the Panel identifies that there is a conflict of interest preventing this from occurring.
SECMP0018 – Standard Electricity	Amendments to the Great Britain Companion Specification (GBCS) to specify the standard Electricity Distributor configuration settings to be applied to an electricity smart meter by the Manufacturer. Application of

SEC Modification Proposal	Summary of Modification
Distributor Configuration Settings	default configuration settings will reduce the need for Electricity Distributors to apply settings immediately after commissioning.

Table one: New Modification Proposals

It was agreed in the June 2016 Panel meeting that, as a Path 3 modification, SECMP0017 Modification Proposal will not require refinement and has been submitted directly for consultation.

The SECMP0018 Modification Proposal was raised in the July 2016 Panel meeting. SECAS presented the Panel with an Initial Modification Report (IMR) to discuss and determine whether and how it should be progressed through the Modification Process. The IMR was accepted, and the suggested Path, timescale and Working Group was agreed.

Table two 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 again on the 27 th June 2016 and will meet again in 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	
WG2	SECMP0004	Inclusion of Meter Serial Number data item in the Smart Metering Inventory	Working Group 2 met again on 20 th June 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 again on 6 th June and will meet again on 11 th July 2016.
WG4	SECMP0010	Introduction of triage arrangements for Communication Hubs	Working Group 4 met on 3 rd June 2016 and will meet again on 25 th July 2016.
	SECMP0012	Channel selection to support Shared HAN Solutions	
	SECMP0013	Smart meter device diagnostics and triage	
	SECMP0014	Standardise Formatting of Device ID	
WG5	SECMP0016	Consideration of "Maximum Credit" value in credit cover calculation	Working Group 5 will meet for the first time on 5 th August 2016.

Table two: 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 Modification Proposals currently progressing within the Modification Process. The July 2016 report has been attached as Appendix A to this paper for your information.

The Modifications listed above do not have a direct impact on the Uniform Network Code (UNC) Modification Panel.



4. Next Meeting

The next SEC Panel meeting is scheduled for Friday, 12th August 2016.

Kayla Reinhart

SECAS Team

14th July 2016

Smart Energy Code Administration and Secretariat (SECAS)

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Appendix A – Modification Status Report (July 2016)

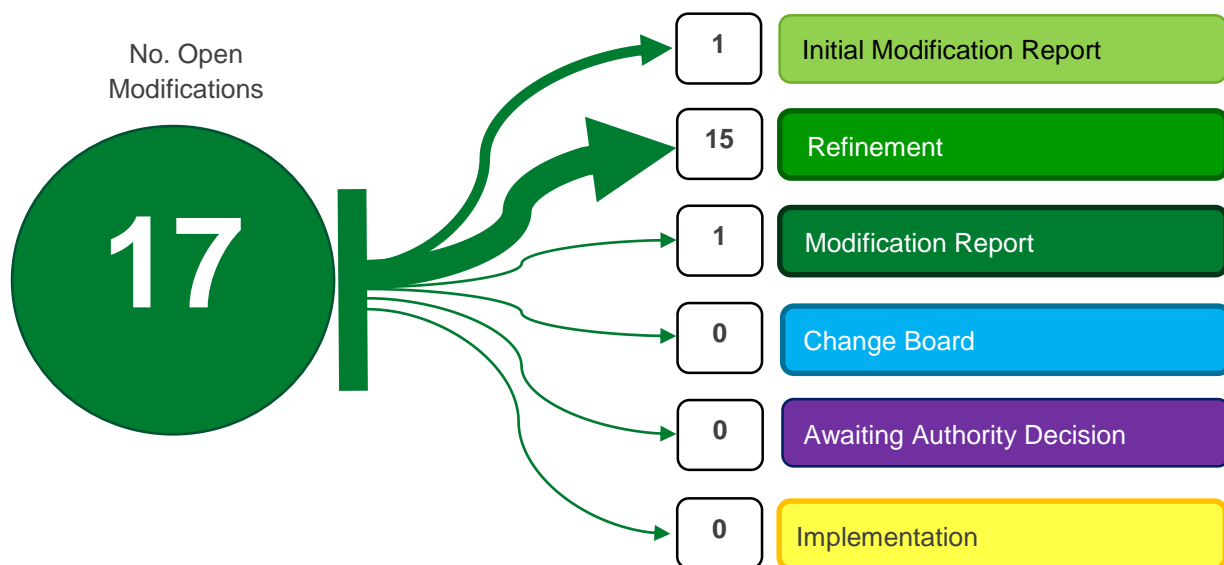


Modification Status Report
July 2016
FOR INFORMATION

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 June 2016 and July 2016 SEC Panel meetings. Further information can be found in the Modifications Register and/or on the Modifications [webpages](#).

Status of Open Modifications



NEW MOD SECMP 0018 - Standard Electricity Network Operator Configuration settings

This Modification Proposal aims to set default values for Electricity Network Operators' configuration settings for all Electrical Smart Metering Equipment (ESME). This will reduce the need for Electricity Network Operators to apply settings immediately after commissioning. It will require changes to the Great Britain Companion Specification (GBCS).

Approvals and rejections

There have been no approvals or rejections by the SEC Panel, Change Board or the Authority in the last month.

Highlights from the last month

SECMP0008 – Provision of a DCC Alert for Quarantined Service Requests

This Modification Proposal is progressing well. SECAS requested (on behalf of the Working Group) an Impact Assessment from the DCC. Under the DCC's 44 working day turn-around time, SECAS expects this back on 27th August 2016. In the meantime SECAS is preparing the consultation document, which will be reviewed by the Working Group members in the next two weeks.

SECMP0009 – Centralised Firmware Library

The Working Group has made progress in agreeing Business Requirements for the proposed solution. However, this Modification Proposal continues to highlight issues between Manufacturers and Suppliers that need to be resolved to effectively support the delivery of a Centralised Firmware Library, as proposed. The Working Group will meet again on 11th July 2016.

SECMP0016 – Consideration of “Maximum Credit” value in credit cover calculation

SEC Panel agreed that this Modification Proposal should proceed to the Refinement Process at the June Panel meeting. There was significant interest from industry in this Modification and quorum for the new Working Group has been reached. The first meeting to develop this Modification will be on 5th August 2016.

SECMP0002 – Reset Debt Registers, SECMP0003 – Deficiencies in the SR for setting Maximum Demand Configurable Time, SECMP0005 – Include Tariff and Register Labels, SECMP0007 – Firmware Updates to IHDs and PPMIDs

DCC's Preliminary Assessments for SECMP0002 and SECMP0003 were due on 1st July 2016. DCC's Preliminary Assessments for SECMP0005 and SECMP0007 are due on 12th July 2016. The Working Group considers that these Preliminary Assessments are crucial in progressing these Modification Proposals through the Refinement Process.

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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				
			July	August	Sept	Oct	Nov
0002	Add Command to Reset Debt Registers	The Business Requirements document and Solution Design Document have been finalised. The DCC PA was requested on 1 st June 2016. Next steps: DECC to generate Use Cases and Message Templates; SECAS to circulate PA to WG (upon receiving PA from DCC); SECAS to draft consultation document.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0003	Deficiencies in the Service Request for setting Maximum Demand Configurable Time	The Business Requirements document and Solution Design Document have been finalised. The DCC PA was requested on 1 st June 2016. Next steps: DECC to generate Use Cases and Message Templates; SECAS to circulate PA to WG (upon receiving PA from DCC); SECAS to draft consultation document.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0004	Include MSN data item in the Smart Metering Inventory	The Business Requirements document is complete. The DCC's Preliminary Assessment has been reviewed by the Working Group. Next steps: SECAS to finalise Solution Design Document with DCC, then SECAS to request IA from DECC, and begin consultation document drafting.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0005	Inclusion of Tariff and Register Labels on SMETS2 Devices	The Business Requirements document and Solution Design Document have been finalised. The DCC PA was requested on 1 st June 2016. Next steps: DECC to generate Use Cases and Message Templates; SECAS to circulate PA to WG (upon receiving PA from DCC); SECAS to draft consultation document.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0006	Specifying the number of digits for device displays	The Business Requirements and Solution Design Document has been finalised. Next step: The DCC to confirm no impact on their systems and SECAS to draft consultation doc.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority

Mod Ref	Title	Status	Indicative Timetable				
			July	August	Sept	Oct	Nov
0007	Firmware updates to IHDs and PPMIDs	The Business Requirements document has been finalised. The Solution Design Document requires further development following WG input. Next steps: The DCC to generate Use Cases and Message Templates; SECAS to circulate PA to WG (upon receiving PA from DCC); SECAS to draft consultation document.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0008	Provision of a DCC alert for quarantined SRs	The Business Requirements and Solution Design Documents have been finalised. The Working Group requested DCC IA on 28th June 2016 (due on 27 August 2016). Next steps: SECAS to issue industry consultation document on 11 th July 2016.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0009	Centralised Firmware Library	The Working Group continues to develop the Business Requirements. Next steps: The next meeting is scheduled for 11 th July 2016, which will further develop the Business Requirements.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0010	Introduction of triage arrangements for Communication Hubs	Solution Design Document finalised. Next steps: The next Working Group meeting is scheduled for 25 th July 2016. After that, SECAS expects a DCC PA will be requested by the Working Group.	Refinement Process		Panel reviews Draft Modification Report	Change Board Vote	Modification Decision by Authority
0011	Inclusion of MAP ID in the Smart Metering Inventory	The Business Requirements and Solution Design Document require further development. Next steps: SECAS to further develop the Solution Design Document. DCC's PA is due on 12 July 2016. Next WG scheduled for 5 th August 2016.	Refinement Process				Panel reviews Draft Modification Report
0012	Channel selection to support Shared HAN solutions	Business Requirements are still in the early stages of development. The next Working Group meeting is scheduled for July 25 th 2016.	Refinement Process				

Mod Ref	Title	Status	Indicative Timetable				
			July	August	Sept	Oct	Nov
0013	Smart meter device diagnostics and triage	Business Requirements developed and have been sent to Working Group to review. Next steps: SECAS to request PA from DCC. The next meeting is scheduled for July 25 th 2016.	Refinement Process				
0014	Standardise Formatting of Device ID	The first Working Group meeting is scheduled for 25 th July 2016. The aim is to have a six-month Refinement Process with the Draft Modification Report being presented to the Panel in December 2016.	Refinement Process				
0015	GPF timestamp for reading instantaneous Gas values	First Working Group meeting was held on 27 th June 2016. Business Requirements are being drafted. The aim is to have a five-month Refinement Process with the Draft Modification Report being presented to the Panel in December 2016.	Refinement Process				
0016	Consideration of "Maximum Credit" value in credit cover calculation	First Working Group meeting is scheduled for 5 th August 2016. SECAS has recommended a five-month Refinement Process with the Draft Modification Report to be presented to the Panel in December 2016.		Refinement Process			
0017	CGR Phase 3 outcomes: Code Administrator to chair Modification Working Groups	In consultation. Response due 14 th July 2016.	Modification Report Consultation and Change Board Vote	Implementation 17/8/2016			
0018	Standard Electricity Network Operator Configuration settings	IMR to be discussed at July Panel meeting.	IMR to be considered by Panel	TBC			

Release Contents

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

Ad hoc release

Date	Mod Ref	Status	Potential Impacts	
			Docs	Systems
17 August 2016	0017	Pending – Proposer target	SEC Section D	n/a

June 2017 release

Date	Mod Ref	Status	Potential Impacts	
			Docs	Systems
29 June 2017	0002	Pending – Proposer target	SMETS2, GBCS, DUIS, MMC	DCC
	0003	Pending – Proposer target	DUIS, GBCS,	DCC
	0004	Pending – Proposer target	SMETS2, GBCS, DUIS,	DCC
	0005	Pending – Proposer target	SMETS2, GBCS, DUIS,	DCC
	0006	Pending – Proposer target	SMETS2, GBCS, CHTS,	DCC
	0007	Pending – Proposer target	SMETS2, GBCS, CHTS,	DCC
	0008	Pending – Proposer target	DUIS, TADP	DCC
	0010	Pending – Proposer target	CHIMSM, SEC	
	0011	Pending – Proposer target	DUIS	
	0013	Pending – Proposer target	DUIS	DCC, SMS

	0015	Pending – Proposer target	SMETS2, GBCS,	DCC
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November 2017

Date	Mod Ref	Status	Potential Impacts	
			Docs	Systems
23 November 2017	0009	Pending – Proposer target	SEC	
	0014	Pending – Proposer target	SMETS2, CHTS,	DCC
	0016	Pending – Proposer target	SEC	DCC
	0018	Initial Consideration	GBCS	

February 2018

Date	Mod Ref	Status	Potential Impacts	
			Docs	Systems
22 February 2018	0012	Pending – Proposer target	SMETS2, GBCS, DUIS, CHTS, MMC, DUGIS	

Code Administrators' metrics: Quarter 2 2016 (1 April to 30 June 2016)

Metric No.	Description	Measurement area	Numbers	
Area: General				
1	Number of modifications raised in the period (Any modifications with alternatives should just be counted as 1):	Authority Consent – Non-urgent	6	
		Authority Consent –Urgent	0	
		Self-governance	1	
		Fast-Track self-governance	0	
		Self-governance - Urgent	0	
2	Number of modifications withdrawn in the period (Any modifications with alternatives should just be counted as 1):	Authority Consent – Non-urgent	0	
		Authority Consent –Urgent	0	
		Self-governance	0	
		Fast-Track self-governance	0	
		Self-governance - Urgent	0	
				Alternates
3	Number of modifications submitted to the Authority for decision in the period (include the number of alternatives submitted in the second box):	Non-urgent	0	0
		Urgent	0	0
				Alternates
4	Number of final industry decisions on modification in the period (include the number of alternatives submitted in the second box):	Self-governance	0	0
		Fast track self-governance	0	
		Self-governance - Urgent	0	
				Alternates
5	Number of reports 'sent back' by the Authority in the period (include the number of alternates in the second box):	Non-urgent	0	0
		Urgent	0	0
6	Number of modifications implemented in the period:		0	
Area: Consultation				
7	Number of consultations which closed in the period for the	Authority Consent – Non-urgent	0	

	following types of modifications this includes any consultation raised at any point during the modification cycle, and any modifications with alternates should be counted as 1:	Authority Consent –Urgent	0
		Self-governance	0
		Fast-Track self-governance	0
		Self-governance - Urgent	0
8	Number of consultations to <i>non-urgent</i> modification, which closed in the period, that had a consultation period of <u>less than 15 business days</u>	Authority Consent	0
		Self-governance	0
		Fast-track self-governance	0
9	Number of consultations to <i>urgent</i> modifications which closed in the period, that had a consultation period of <u>less than 5 business days</u>	Authority Consent – Urgent	0
		Self-governance - Urgent	0
10	Number of modifications which had their final vote in the period, for which legal text <u>was not</u> available in the final consultation	Authority Consent – Non-urgent	0
		Authority Consent –Urgent	0
		Self-governance	0
		Fast-Track self-governance	0
		Self-governance - Urgent	0
Area: Engagement			
11	Number of new parties who have acceded to the code in the period		13
12	Number of times assistance was requested with access and engagement to code and the modification process in the period		2135
13	Number of respondents to Authority Consent modification consultations which closed in the period (this includes any consultation raised at any point during the modification cycle):	Minimum	0
		Mean	0
		Median	0
		Maximum	0
14	Number of respondents to Self-governance modification consultation which closed in the period (this includes any consultations raised at any point during the modification cycle):	Minimum	0
		Mean	0
		Median	0
		Maximum	0
Area: Costs			
15	Number of modifications which had their final vote in the period,	Authority Consent – Non-urgent	0

	for which an estimation of the central system implementation costs <u>was not</u> available in the final consultation:	Authority Consent –Urgent	0
		Self-governance	0
		Fast-Track self-governance	0
		Self-governance - Urgent	0
16	Number of modifications, implemented in the period, where the central system implementation costs were zero:		0
17	Number of modifications, implemented in the period where the central system implementation costs were more or less than the advised prior to the final industry vote:	Greater than or equal to 10% <u>MORE</u> than the advised implementation cost	0
		Greater than or equal to 10% <u>LESS</u> than the advised implementation cost	0



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