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.

2.   Code Updates

2.1   SEC Version 5.0 – DCC Live in full

On 25th November 2016 the Smart Metering Implementation Programme (SMIP) Senior Responsible Officer (SRO) directed that the transitional variations relating to DCC Live in the North Region, and the Registered Supplier Agent and Other User Roles were to be cancelled from that date. This letter therefore concluded that all DCC Live (Release 1.2) activities are complete.

The SMIP SRO's decision letter notes that for the purposes of electricity supply licences under the Electricity Act 1989 and the gas supply licences under the Gas Act 1986, the Large Supplier User Mandate and Small Supplier User Mandate dates have been confirmed:

- Large Supplier User Mandate – 25th May 2017 (DCC Live + 6 months), and
- Small Supplier User Mandate – 25th November 2017 (DCC Live + 12 months).

3.   SEC Modifications Update

3.1   General SEC Modification Updates

The Change Board met on 23rd November 2016 and approved SECMP0020 "Removing confidential classification of unique IDs in Schedule 5" and SECMP0022 "Expanding SMKI PMA membership and removing Alternate restrictions" for implementation. These modifications will be implemented on 14th December 2016.

Following the approval from the Panel in November 2016, SECAS has issued SECMP0016 "Consideration of "Maximum Credit" value in credit cover calculation" for industry consultation. The consultation closes on 7th December 2016. Change Board will consider the Modification on 21st December 2016.

Following the ten-day withdrawal period, during which no requests from SEC Parties wishing to adopt the modification were received, SECMP0003 "Deficiencies in the Service Request (SR) for setting Maximum Demand Configurable Time" was formally withdrawn on 11th November 2016.

SECP_39_0912_14 – Modification
Status Report – December 2016

Administered by

Gemserv

Page 1 of 12

This document has a Classification of **White**

3.2 New SEC Modification Proposal

There has been one new Modification Proposal raised since the November 2016 UNC Modification Panel meeting. This is outlined in Table one below:

SEC Modification Proposal	Summary of Modification
SECMP0025 – Electricity Network Party Access to Load Switching Information	This proposal seeks to enable Electricity Network Parties to have access to information from the Smart Metering System relating to load switching carried out by Smart Meters or Smart Meter connected Devices. It also proposes that the Smart Metering System informs Electricity Network Parties when changes are made to existing load switching regimes.

Table one: New Modification Proposal

3.3 SEC Modification Proposals in the Refinement Process

Table two provides an update on the status of the seventeen Modification Proposals that are in the Refinement Process stage.

Working Group	Modification Proposal #	Modification Proposal Title	Update
WG1	SECMP0002	Add New Command to Reset Debt Registers	Working Group 1 met on 28th November 2016.
	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	
	SECMP0023	Correct Units of Measurement for Uncontrolled Gas Flow Rate	

WG2	**SECMP0004**	Inclusion of Meter Serial Number data item in the Smart Metering Inventory	Working Group 2 met on 29th November 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 did not meet in November 2016 because a full solution is still being developed for the Working Group to review.
WG4	**SECMP0010**	Introduction of triage arrangements for Communication Hubs	Working Group 4 did not meet in November 2016 as work is being undertaken to pull together the necessary information to enable further Working Group discussion.
	SECMP0012	Channel selection to support Shared HAN Solutions	
	SECMP0013	Smart meter device diagnostics and triage	
	SECMP0024	Enduring Approach to Communication Hub Firmware Management	
WG5	**SECMP0021**	Increase Other SEC Party representation for TABASC and SSC	Working Group 5 met on 30th November 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 Modifications Proposals currently progressing within the Modification Process. The December 2016 Modification Status Report is attached to this paper.

4. Next Meeting

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

Kayla Reinhart
SECAS Team
7th December 2016

Smart Energy Code Administration and Secretariat (SECAS)
SECAS Helpdesk: +44 (0) 20 7090 7755
Email: secas@gemserv.com

SEC Update
December 2016

Administered by

Gemserv

Page 4 of 12

This document has a
Classification of White

Paper Reference:	SECP_39_0912_14
Action:	For Information

Smart Energy Code

Modification Status Report

December 2016

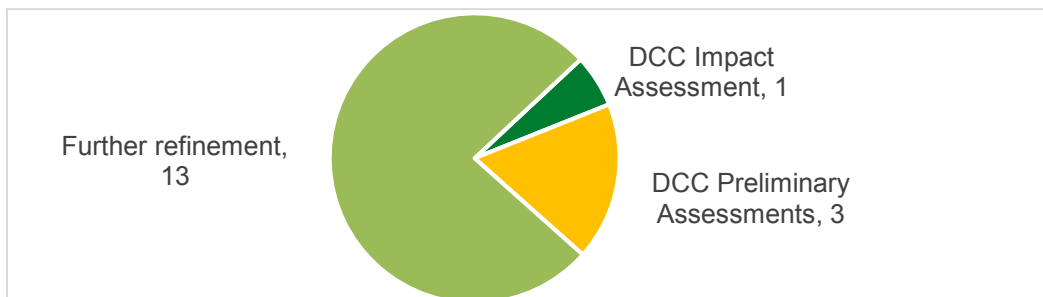**FOR INFORMATION**

Administered by

Gemserv

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 November 2016 and December 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
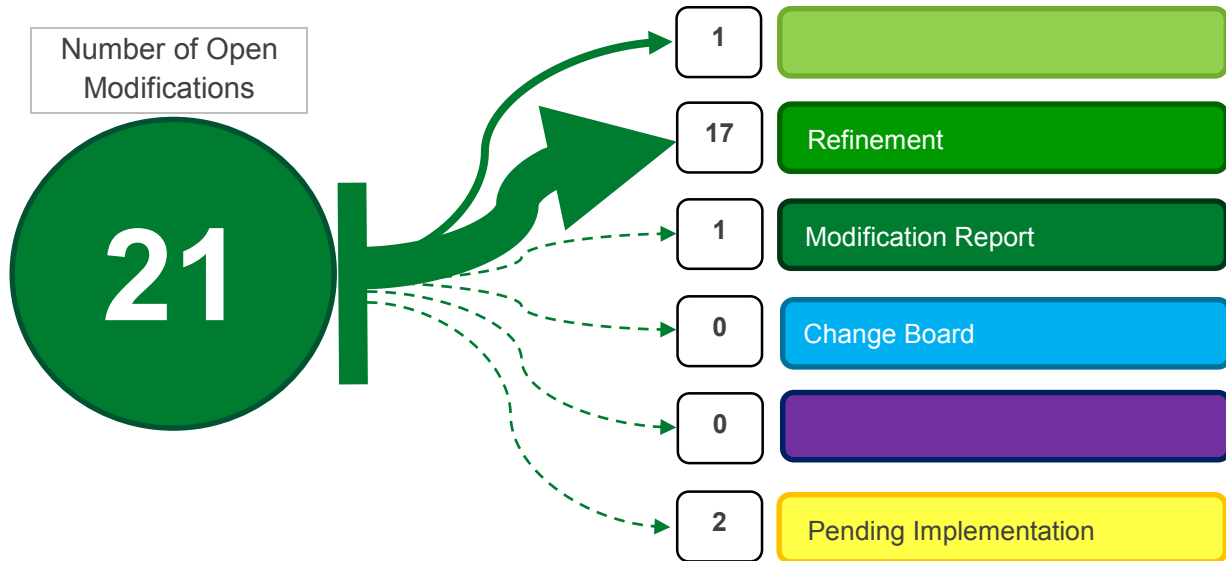
Modification Proposals in refinement, 17

1.2. New Modification Proposals

There is one new modification this month: SECMP0025 "Interested network party access to load switching information".

1.3. Approvals and Rejections

The following decisions have been made in the last month:

- The Change Board voted to approve SECMP0020 "Removing confidential classification of unique IDs in Schedule 5" and SECMP0022 "Expanding SMKI PMA membership and removing Alternate restrictions" for implementation. These modifications will be implemented on 14th December 2016, which is 5 Working Days after the 10 Working Day referral period.

SEC Update
December 2016

Administered by

Gemserv

Page 6 of 12

This document has a
Classification of White

2. Highlights from last month

SECMP0003 "Deficiencies in the Service Request (SR) for setting Maximum Demand Configurable Time"

Following the ten-day withdrawal period, no requests from SEC Parties wishing to adopt the modification were received. SECMP0003 was officially withdrawn on the 11th November 2016.

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

Working Group 1 met on 28th November 2016. The agenda covered SECMP0005 "Tariff and Register Labels", SECMP0006 "Specify number of digits for device displays", and SECMP0023 "Correct Units of Measure for Uncontrolled Gas Flow Rate". The key outcomes are below:

- The Working Group decided to request advice from the Security Sub-Committee (SSC) regarding a security question on SECMP0005's solution.

- The Working Group answered several questions from SECAS regarding the SECMP0006 consultation document. SECAS will now finalise the Working Group Consultation document and present it to the Working Group at its next meeting.

- The Working Group answered several questions from SECAS regarding the SECMP0023 solution. SECAS will now finalise the solution design document and request a DCC Preliminary Assessment, after the SSC is consulted on the need for anomaly detection.

SECAS also provided the Working Group with an update on the other modifications being considered by Working Group 1[1].

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

Working Group 2 met on 29th November 2016 to review the DCC Impact Assessments (IA) and Working Group Consultation responses for SECMP0004 "Including the DSN in the Smart Metering Inventory", SECMP0008 "Provision of a DCC Alert for quarantined SRs", and SECMP0011 "Including the MAP ID in the Smart Metering Inventory".

A key discussion point surrounded concerns relating to the lack of cost granularity provided in the DCC IA and the impact this will have on the ability for the Change Board and the Authority to approve these modifications. Whilst recognising these concerns, the Working Group agreed that draft Modification Reports should be considered by the SEC Panel at their December 2016 meeting.

Working Group 3: Centralised Firmware Library (CFL)

Working Group 3 did not meet in November 2016 because a full solution is still being developed for the Working Group to review.

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

Working Group 4 did not meet in November 2016 as work is being undertaken to pull together the necessary information to enable further Working Group discussion. This work is summarised below:

---

[1] SECMP0007, SECMP0015, SECMP0018, and SECMP0019.

SEC Update
December 2016

Administered by

Gemserv

Page 7 of 12

This document has a
Classification of **White**

- SECMP0010 "Introduce triage arrangements for Communication Hubs": DCC is preparing a PA, which the Working Group will then assess. The PA is due on 2nd December 2016.

- SECMP0012 "Add channel selection for Shared HAN solutions": SECAS is finalising the solution with the Proposer. The plan then is for the solution to go to the Working Group for confirmation, and then for the Working Group to request a PA from DCC.

- SECMP0013 "Introduce triage arrangements for SMETS2 devices": Following the Technical Architecture and Business Architecture Sub-Committee's (TABASC's) review of the three solutions developed by the Working Group, these were considered by the SSC on 23rd November 2016. The SSC agreed that an alternative change should be considered to address the wider issue relating to when a Device is removed from the Device white list. SECAS and BEIS are corresponding with regard to security concerns, to establish how this should be progressed, either as a BEIS-led change or a Modification Proposal.

Working Group 5: Governance-focused modifications

Following the Panel's agreement in November 2016, SECMP0016 "Consideration of "Maximum Credit" value in credit cover calculation" for Modification Report Consultation. The consultation closes on 7th December 2016. The next step will be for Change Board to consider and vote on the modification at their 21st December 2016 meeting.

The first Working Group for SECMP0021 "Increase Other SEC Party representation for TABASC and SSC" was held on 30th November 2016. A teleconference will be held in December to continue the initial discussions on the modification, to enable the necessary legal drafting and the Working Group Consultation document drafting.

3. Modification Proposal Progress

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

Mod	Title	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SECMP02	Add New Command to Reset Debt Registers	Panel approved Refinement	Refinement Process									DMR	CB	Decision			
			Solution	Solution	Solution												
					PA	PA	PA	PA		IA	IA						
SECMP04	Add MSN data item in SMI	Panel approved Refinement	Refinement Process								DMR	CB	Decision				
			Solution		Solution v1					Consultation							
			PA	PA	IA	IA	IA	IA	IA								
SECMP05	Add Tariff and Register Labels in SMETS2 Devices	Panel approved Refinement	Refinement Process									DMR	CB	Decision			
			Solution	Solution	Solution					Consultation							
					PA	PA	PA	PA									
SECMP06	Specify number of digits for device displays	Panel approved Refinement	Refinement Process									DMR	CB	Decision			
			Solution	Solution	Solution				Consultation								
SECMP07	Enable OTA firmware updates to mandated HAN devices	Panel approved Refinement	Refinement Process												DMR	CB	Decision
			Solution	Solution	Solution								Consultation				
					PA	PA	PA	PA	PA	PA	PA						
SECMP08	Provide a DCC Alert for Quarantined SRs	Panel approved Refinement	Refinement Process								DMR	CB	Decision				
			Solution		Solution v1					Consultation							
			PA	PA	IA	IA	IA	IA	IA								
SECMP09	Centralised Firmware Library	Panel approved Refinement	Refinement Process												DMR	CB	Decision
			Solution	Solution	Solution	Solution	Solution	Solution	Solution	Solution			Consultation				
SECMP10	Introduce triage arrangements for Comms Hubs	Panel approved Refinement	Refinement Process												DMR	CB	Decision
			Solution	Solution	Solution								Consultation				
				PA	PA	PA	PA	PA	PA	PA	PA						
SECMP11	Add MAP ID data item to the SMI		Panel approved Refinement	Refinement Process									DMR	CB	Decision		
				Solution	Solution					Consultation							
					PA	PA	PA	PA	IA	IA							
SECMP12	Add channel selection for Shared HAN solutions			Panel approved Refinement	Refinement Process									DMR	CB	Decision	
					Solution	Solution	Solution	Solution	Solution	Solution	Solution	Consultation					
SECMP13	Introduce triage arrangements for SMETS2 devices (e.g. smart meters)			Panel approved Refinement	Refinement Process									DMR	CB	Decision	
					Solution	Solution	Solution	Solution	Solution	Solution	Solution		Consultation				
SECMP15	GPF Timestamp for Reading Instantaneous Gas Values				Panel approved Refinement / WG	Refinement Process								DMR	CB	Decision	
						Solution	Solution	Solution	Solution			Consultation					
									PA	PA	PA						
SECMP16	Consideration of "maximum credit" value in credit cover calculation				Panel approved Refinement	Refinement Process						DMR / Early CB	CB / Early Decision	Decision			
						Solution	Solution		Consultation								
						IA	IA										

Mod	Title	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SECMP18	Standardise ENO Configuration settings					Panel approved Refinement	Refinement Process	Refinement Process	Refinement Process	Refinement Process	Refinement Process	DMR	CB	Decision			
							Solution	Solution	Solution	Solution							
SECMP19	Standardise ALCS/HCALCS description labels					Panel approved Refinement	Refinement Process	Refinement Process	Refinement Process	Refinement Process	Refinement Process	DMR	CB / Decision				
							Solution	Solution	Solution	Solution							
SECMP20	Removing confidential classification of unique IDs in Schedule 5									Panel approved consultation	CB						
										MR consultation							
SECMP21	Increase Other SEC Party representation for TABASC and SSC									Panel approved Refinement	Refinement Process	DMR	CB				
											Consultation						
SECMP22	Expanding SMKI PMA membership and removing Alternate restrictions									Panel approved consultation	CB						
										MR consultation							
SECMP23	Correct Units of Measure for Uncontrolled Gas Flow Rate								Panel approved Refinement	Refinement Process	Refinement Process	DMR	CB				
												Consultation					
SECMP24	Enduring Approach to Communication Hub Firmware Management									Panel approved Refinement	Refinement Process	Refinement Process	Refinement Process	Refinement Process	DMR	CB	
														Consultation			

Key
WG1
WG2
WG3
WG4
WG5
Original due date for PA/IA
Original Authority Decision deadline approved by Panel

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**
The June 2017 Release **will not** contain modifications with a DCC Systems or Device Impact. This is in line with the Panel consideration of the June 2017 Releases content undertaken at the September 2016 and October 2016 Panel meetings.			

November 2017 Release (2nd November 2017)

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
The November 2017 Release **will not** contain modifications with a DCC Systems or Device Impact. This is in line with the Panel consideration of the November 2017 Releases content undertaken at the September 2016 and October 2016 Panel meetings.			
BEIS-directed changes CR195: Self Service Interface Functionality (Section H8.16(c)) (if this is not resolved before the November 2017 Release) CR193: Use of User identifiers (EUI-64 identifiers) variation resolution			
DCC internal changes CR205: Anomaly Detection SMETS Objects Limits CR183: Recovery Procedure Changes			

February 2018 Release (22nd February 2018)

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
0004	Earliest point that these modifications could be implemented if approved following completion of the Modification Process.	SMETS2, GBCS, DUIS	DCC
0008		DUIS, TADP	DCC
0011		DUIS	DCC
BEIS-directed changes CR184 : Dual Band Communications Hubs CR194 : Designation of new Technical Specifications, GBCS and other SEC changes (Technical Specification Group (TSG)2)			

SEC Update
December 2016

Administered by

Gemserv

Page 11 of 12

This document has a Classification of White

June 2018 Release (28th June 2018)

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
0002		SMETS2, GBCS, DUIS, MMC	DCC
0005		SMETS2, GBCS, DUIS	DCC
0006		SMETS2, GBCS, CHTS,	SMS
0007		SMETS2, GBCS, CHTS,	DCC
0009	In light of the Panel's consideration of the content of the first few enduring releases, this may now be the earliest point that the modifications listed here may be implemented if approved following completion of the Modification Process.	SEC	TBC
0010		CHIMSM, CHTS	DCC
0012[2]		SMETS2, GBCS, DUIS, CHTS, MMC, DUGIS	TBC
0013		DUIS	DCC, SMS
0015		SMETS2, GBCS,	DCC
0016		SEC	DCC
0018		GBCS	
0019		DUIS	DCC, DCC Users

---

[2] If possible, this date may change to remain aligned with the related Dual-Band Communications Hub changes.

This document has a Classification of White