

## 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

There have been three new SEC designations since the last UNC Modification Panel meeting; SEC 4.16, SEC 4.17 and SEC 5.0.

#### 2.1 SEC Version 4.16 Designation

The Secretary of State (SoS) designated changes to the SEC via a direction letter with an effective date of 20<sup>th</sup> October 2016. The direction re-designates SEC Appendix R - Common Test Scenarios Document with the removal of the requirement on Testing Participants to generate an error (E1), which is impossible to generate.

#### 2.2 SEC Version 4.17 Designation

The SoS has designated changes to the SEC via a direction letter with an effective date of 27<sup>th</sup> October 2016 by bringing SEC Section F2 - Certified Products List (CPL) into legal effect and designating the following new SEC Subsidiary Document:

- SEC Appendix Z - CPL Requirements Document

The activation of SEC Section F2 and designation of SEC Appendix Z - CPL Requirements Document are in line with CPL Live.

#### 2.3 SEC Version 5.0 Designation - DCC Live

On 8<sup>th</sup> November 2016, the Department for Business, Energy and Industrial Strategy (BEIS) published its [direction](#) for DCC to go live for the Central and South regions effective 8<sup>th</sup> November 2016. The letter notes that BEIS will consider activation for the North region shortly.

The DCC Live decision letter was accompanied by a [direction letter](#) in regards to designating SEC Sections and incorporating Subsidiary Documents and Schedules necessary for DCC Live. For a detailed summary of the changes made to the SEC, please view the [Latest News](#) on the SEC Website.

The current SEC and relevant guidance documentation are available on the [SEC Website](#).

### 3. SEC Modifications Update

#### 3.1 General SEC Modification Updates

The Modification Reports for SECMP0020 and SECMP0022 were issued for industry consultation on 17<sup>th</sup> October 2016. The consultations closed on 7<sup>th</sup> November 2016. The Final Modification Report (FMR), including the full responses (subject to confidentiality), will be presented at the December 2016 SEC Panel meeting. The FMR will then be added to the agenda for discussion at the January 2017 SEC Change Board meeting.

On 5<sup>th</sup> October 2016, SECAS issued SECMP0016 for Working Group Consultation. The consultation closed on 21<sup>st</sup> October 2016. The Draft Modification Report (DMR) will be issued to the SEC Panel at the November 2016 SEC Panel meeting.

On 28<sup>th</sup> October 2016, the Proposer notified SECAS to withdraw SECMP0003 Modification Proposal. The Proposer decided to withdraw the modification due to the DCC charges to make the change, the modification’s likely implementation date, and the reduced number of meters that will be mandated to support the new Service Request. As a result, Distribution Network Operators (DNOs) were not able to identify benefits that would justify the cost.

In accordance with SEC Section D5.4, Adoption of Withdrawn Proposals, any SEC Party wishing to adopt this Modification may do so by notifying SECAS within 10 Working Days. If no such requests are expressed, this modification proposal will be confirmed as withdrawn and marked as closed on 11<sup>th</sup> November 2016.

### 3.2 New SEC Modification Proposals

Since the October 2016 UNC Modification Panel meeting, two new Modification Proposals have been submitted to SECAS. These are outlined in Table one below:

SEC Modification Proposal	Summary of Modification
<a href="#">SECMP0023</a> – Correct Units of Measure for Uncontrolled Gas Flow Rate	Currently GBCS limits the values of the Uncontrolled Gas Flow rate to be in whole numbers of m <sup>3</sup> . This modification proposes to change that to allow m <sup>3</sup> with accuracy to 3 decimal places to be specified.
<a href="#">SECMP0024</a> – Enduring Approach to Communication Hub Firmware Management	The Proposer seeks to develop requirements for an enduring solution for a Supplier-controlled release of firmware to Communication Hubs (CHs). The Proposer’s solution is to develop and implement a CH Firmware Deployment and Activation ‘Safe Launch’ Plan, supported by new DUIS Service Requests.

**Table one: New Modification Proposals**

SECAS will raise the Initial Modification Reports (IMR) for SECMP0023 and SECMP0024 to be considered by the SEC Panel at the November 2016 SEC Panel meeting.

SECMP0023 will be proposed to be allocated to Working Group 1 because its members’ expertise align with the suggested requirements.

SECMP0024 will be proposed to be allocated to Working Group 4 because its members’ expertise align with the suggested requirements.

### 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	<b>SECMP0002</b>	Add New Command to Reset Debt Registers	Working Group 1 met on 27 <sup>th</sup> October 2016.
	<b>SECMP0005</b>	Inclusion of Tariff and Register Labels on SMETS2 Devices	

	<b>SECMP0006</b>	Specifying the number of digits for device displays	
	<b>SECMP0007</b>	Firmware updates to mandated HAN devices	
	<b>SECMP0015</b>	GPF timestamp for reading instantaneous Gas values	
	<b>SECMP0018</b>	Standard Electricity Distributor Configuration Settings	
	<b>SECMP0019</b>	Auxiliary Load Control Switches (ALCS) Description Label	
	<b>SECMP0003</b>	Deficiencies in the Service Request for setting Maximum Demand Configurable Time	Modification Proposal currently on hold until 11 <sup>th</sup> November 2016 due to Withdrawal
WG2	<b>SECMP0004</b>	Inclusion of Meter Serial Number data item in the Smart Metering Inventory	Working Group 2 met on 18 <sup>th</sup> October 2016.
	<b>SECMP0008</b>	Provision of a DCC Alert (formerly Service Request Error Response) for Quarantined Service Requests	
	<b>SECMP0011</b>	Including the MAP ID in the Smart Metering Inventory	
WG3	<b>SECMP0009</b>	Centralised Firmware Library	Working Group 3 met on 2 <sup>nd</sup> September 2016.
WG4	<b>SECMP0010</b>	Introduction of triage arrangements for Communication Hubs	Working Group 4 met on 5 <sup>th</sup> September 2016.
	<b>SECMP0012</b>	Channel selection to support Shared HAN Solutions	

	<b>SECMP0013</b>	Smart meter device diagnostics and triage	
WG5	<b>SECMP0016</b>	Consideration of "Maximum Credit" value in credit cover calculation	Working Group 5 met on 28 <sup>th</sup> October 2016.
	<b>SECMP0021</b>	Increase Other SEC Party representation for TABASC and SSC	

**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 November 2016 Modification Status Report is attached to this paper.

#### **4. Next Meeting**

The next SEC Panel meeting is scheduled for Friday, 11<sup>th</sup> November 2016.

**Kayla Reinhart**

**SECAS Team**

**9<sup>th</sup> November 2016**

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<b>Paper Reference:</b>	<b>SECP_38_1111_12</b>
<b>Action:</b>	<b>For Information</b>

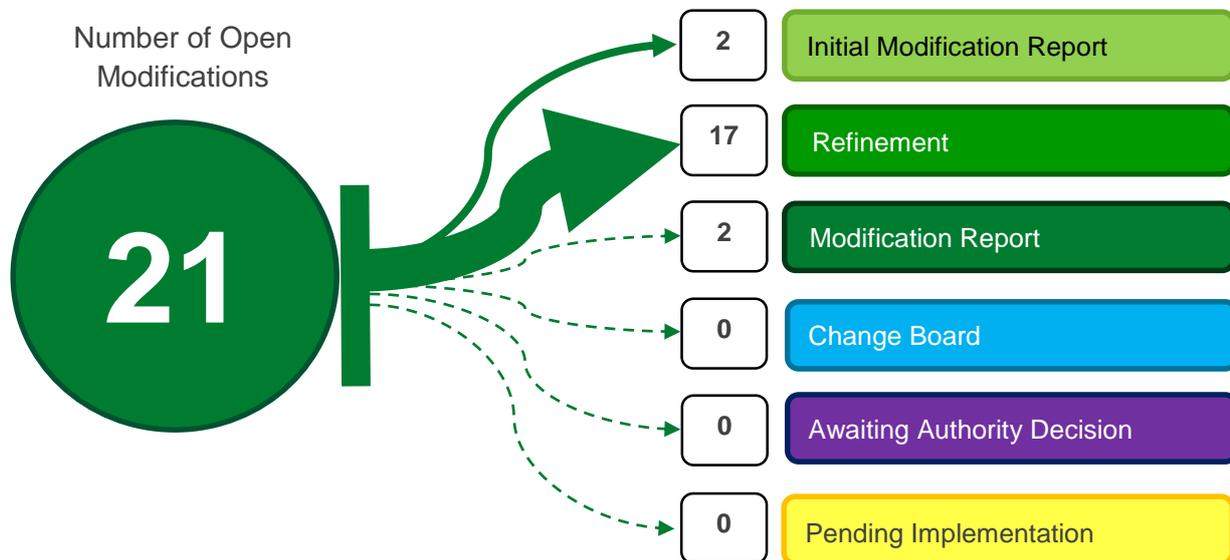


**Modification Status Report**  
**November 2016**  
FOR INFORMATION

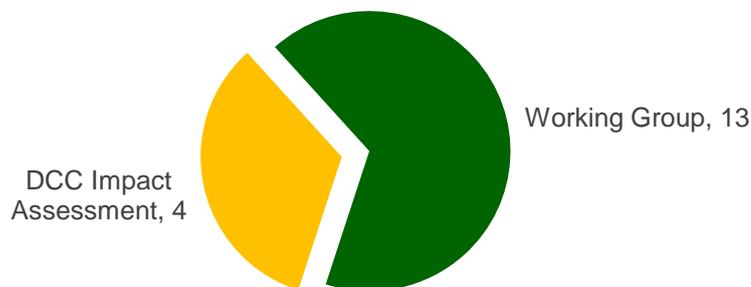
## 1. Summary

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

### Status of Open Modification Proposals<sup>1</sup>



Modifications in refinement, 17



### New Modification Proposals

There are two new modifications this month:

- SECMP0023: “Correct Units of Measure for Uncontrolled Gas Flow Rate”; and
- SECMP0024: “Enduring Approach to Communication Hub Firmware Management”.

### Approvals and Rejections

The following decisions have been made in the last month:

- No approvals or rejections by the Change Board.
- No approvals or rejections by the Authority.

<sup>1</sup> SECMP0003 “Deficiencies in the Service Request (SR) for setting Maximum Demand Configurable Time” has been counted as an open modification in refinement, but please note it is in the process of being withdrawn.

## 2. Highlights from the last month

### **SECMP0003 “Deficiencies in the Service Request (SR) for setting Maximum Demand Configurable Time”**

On the 28<sup>th</sup> October 2016, the Proposer of SECMP0003 withdrew their Modification Proposal. The Proposer decided to withdraw the modification due to the DCC charges to make the change, the modification’s likely implementation date, and the reduced number of meters that will be mandated to support the new SR. As a result, Distribution Network Operators (DNOs) were not able to identify benefits that would justify the cost.

Any SEC Party wishing to adopt this modification is currently able to do so by notifying SECAS by close of play on the 11<sup>th</sup> November 2016. If no requests are received by that time, the modification will be officially withdrawn.

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

Working Group 1 met via teleconference on 27<sup>th</sup> October 2016 to discuss SECMP0002 “Add New Command to Reset Debt Registers”, SECMP0005 “Add Tariff and Register Labels in SMETS2 Devices”, and SECMP0006 “Specify number of digits for device displays”. DCC’s Preliminary Assessments (PAs) were discussed. The Working Group also discussed next steps for these modifications:

- SECMP0002: The Working Group agreed to seek the Security Sub-Committee (SSC) input on a security question related to packet inspection of the proposed new SRs.
- SECMP0005: The Working Group discussed the Technical Architecture and Business Architecture Sub-Committee (TABASC) suggestion that the solution for this modification be streamlined to include new Use Cases only. A consensus was not reached on this. Therefore, the Working Group decided to reconvene in November 2016 (in person) to discuss and finalise the solution.
- SECMP0006: SECAS noted the Department for Business, Energy and Industry Strategy’s (BEIS’) clarification vis-à-vis Smart Metering Equipment Technical Specifications (SMETS) and Device displays. It was agreed by the Working Group that SECAS should prepare and circulate a consultation document to the Working Group for approval.

### **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 18<sup>th</sup> October 2016. The Working Group discussed the DCC’s PA for SECMP0011 “Add MAP ID data item to the SMI”, and DCC’s interim full Impact Assessments (IAs) for SECMP0004 “Add Device Serial Number data item to the SMI” and SECMP0008 “Provide a DCC Alert for Quarantined SRs”. Following this discussion, the Working Group agreed to request a full DCC IA for SECMP0011, and to proceed to industry consultation for SECMP0004 and SECMP0008.

### **Working Group 3: Centralised Firmware Library (CFL)**

Working Group 3 did not meet in October 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 October 2016 as work is being undertaken to pull together the necessary information to enable further Working Group discussion. This work is summarised below:

- SECMP0010 “Introduce triage arrangements for Communication Hubs”: DCC is preparing a PA, which the Working Group will then assess.

- 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”: TABASC is reviewing the three solution options that the Working Group has developed for this modification, and aims to provide feedback by 4<sup>th</sup> November 2016 following which, a further paper will go to the SSC.

#### **Working Group 5: Governance-focused modifications**

Working Group 5 met on 28<sup>th</sup> November 2016 to discuss SECMP0016 “Add Maximum Credit value to credit cover calculation” Working Group consultation responses. These were generally positive. SECAS has sought minor changes to the legal text in response to industry feedback. The draft Modification Report (MR) has been prepared for consideration by the Panel at their November 2016 meeting.

### 3. Modification Proposal Progress

This table summarises the progress of all open Modification Proposals. For further details, please see the [Modifications Register](#). This table differs from last month: it now gives the Panel a full view of modifications from their start dates to their expected final decision dates, and includes the revisions to the progression timetables. It also highlights via yellow boxes the original Panel-approved dates for Change Board or Authority decision. The dates DCC were originally expected to deliver their PAs or IAs are highlighted in red boxes.

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	Working Group refinement										DMR	CB	Decision			
			Solution	Solution	Solution						Consultation							
SECMP03	Amend SR for Maximum Demand Configurable Time	Panel approved Refinement	Working Group refinement											DMR	CB	Decision		
			Solution	Solution	Solution						Consultation							
SECMP04	Add MSN data item in SMI	Panel approved Refinement	Working Group refinement									DMR	CB	Decision				
			Solution		Solution v1							Consultation						
SECMP05	Add Tariff and Register Labels in SMETS2 Devices	Panel approved Refinement	Working Group refinement										DMR	CB	Decision			
			Solution	Solution	Solution						Consultation							
SECMP06	Specify number of digits for device displays	Panel approved Refinement	Working Group refinement										DMR	CB	Decision			
			Solution	Solution	Solution								Consultation					
SECMP07	Enable OTA firmware updates to mandated HAN devices	Panel approved Refinement	Working Group refinement													DMR	CB	Decision
			Solution	Solution	Solution									Consultation				
SECMP08	Provide a DCC Alert for Quarantined SRs	Panel approved Refinement	Working Group refinement									DMR	CB	Decision				
			Solution		Solution v1							Consultation						
SECMP09	Centralised Firmware Library	Panel approved Refinement	Working Group refinement													DMR	CB	Decision
			Solution	Solution	Solution	Solution	Solution	Solution	Solution	Solution	Solution			Consultation				
SECMP10	Introduce triage arrangements for Comms Hubs	Panel approved Refinement	Working Group refinement													DMR	CB	Decision
			Solution	Solution	Solution									Consultation				
SECMP11	Add MAP ID data item to the SMI	Panel approved Refinement	Working Group refinement												DMR	CB	Decision	
			Solution	Solution									Consultation					
SECMP12	Add channel selection for Shared HAN solutions	Panel approved Refinement	Working Group refinement												DMR	CB	Decision	
			Solution	Solution	Solution	Solution	Solution	Solution	Solution	Solution			Consultation					

Mod	Title	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
SECMP13	Introduce triage arrangements for SMETS2 devices (e.g. smart meters)			Panel approved Refinement	Working Group refinement											DMR	CB	Decision
					Solution	Solution	Solution	Solution	Solution	Solution				Consultation				
SECMP15	Add Timestamp for RIPValues response message				Panel approved Refinement / WG1.3	Working Group refinement									DMR	CB	Decision	
						Solution	Solution	Solution	Solution				Consultation					
SECMP16	Add Maximum Credit value to credit cover calculation				Panel approved Refinement	Working Group refinement						DMR	CB	Decision				
						Solution	Solution		Consultation									
SECMP18	Standardise ENO Configuration settings				Panel approved Refinement	Working Group refinement						DMR	CB	Decision				
						Solution	Solution	Solution	Consultation									
SECMP19	Standardise ALCS/HCALCS description labels					Panel approved Refinement	Working Group refinement						DMR	CB / Decision				
						Solution	Solution	Solution	Consultation									
SECMP20	Removing confidential classification of unique IDs in Schedule 5								Panel approved consultation	DMR / CB								
SECMP21	Increase Other SEC Party representation for TABASC and SSC								Panel approved Refinement	Working Group refinement	DMR	CB						
											Consultation							
SECMP22	Expanding SMKI PMA membership and removing Alternate restrictions								Panel approved consultation	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 (29<sup>th</sup> June 2017)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
<p>The June 2017 Release <b>will not</b> 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.</p>			

### November 2017 Release (2<sup>nd</sup> November 2017)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
<p>The November 2017 Release <b>will not</b> 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.</p>			

### February 2018 Release (22<sup>nd</sup> February 2018)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
0002	Earliest point that these modifications could be implemented if approved following completion of the Modification Process.	SMETS2, GBCS, DUIS, MMC	DCC
0004		SMETS2, GBCS, DUIS	DCC
0005		SMETS2, GBCS, DUIS	DCC
0008		DUIS, TADP	DCC
0011		DUIS	DCC
0012	Earliest date this modification could be implemented if approved following the completion of the Modification Process. Date may change to remain aligned with the related Dual-Band Communications Hub changes.	SMETS2, GBCS, DUIS, CHTS, MMC, DUGIS	TBC

June 2018 Release (28<sup>th</sup> June 2018)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
0006	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.	SMETS2, GBCS, CHTS,	SMS
0007		SMETS2, GBCS, CHTS,	DCC
0009		SEC	TBC
0010		CHIMSM, CHTS	DCC
0013		DUIS	DCC, SMS
0015		SMETS2, GBCS,	DCC
0016		SEC	DCC
0018		GBCS	
0019		DUIS	DCC, DCC Users



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