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 5.4

The amendments signed into law by the Minister on 8th February 2017, taking effect on 9th February 2017, implement the remaining conclusions made by the Government in the Consultation on Smart Energy Code and Licence Amendments - September 2016.

The changes impact a number of SEC Sections, and include matters such as:

- Various testing requirements (Sections D, E, F and X);
- The Ofgem Significant Code Review process (Section D);
- Privacy requirements (Section I);
- Making certain transitional variations enduring (Section H);
- The definition of Registration Data Provider (RDP) Systems (Section A);
- Changes to accommodate multiple versions of Technical Specifications and multiple versions of DUIS (Section A and F); and
- Other minor miscellaneous changes (Sections G and L, Appendices Q and X).

An accompanying Secretary of State direction was issued 9th February 2017. The direction designates Schedule 11: Technical Specifications Applicability Tables and Schedule 9: Smart Metering Equipment Technical Specifications Version 1.2 for the first time.

Consequential changes were made to Sections A and N. This direction also extends the currently active SEC transitional variation regarding User IDs from 29th June 2017 to 2nd November 2017, further to a SEC Panel consultation.

Please note that SMETS1.2 and SMETS2 are now both valid Technical Specifications. This means that there are now two documents referred to as Schedule 9 of the SEC.

For ease of comparison with the previous SEC version, the tracked changed versions of the SEC Sections and Appendices can be found on the latest news article on the SEC Website.

3.   SEC Modifications Update

Three new modifications were raised this month:

- SECMP0031: Adding UTRN Functionality to SMETS
- SECMP0032: Prioritising Prepayment Customers in No WAN Situations
- SECMP0033: Update to CH Handover Support Materials

SEC Update
February 2017

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The Initial Modification Reports for these three new Modification Proposals will be considered by the Panel at the March 2017 meeting.

The Change Board at its February 2017 meeting voted to approve one modification, under Path 3 – Self Governance:

- SECMP0026 "Changes to the Security Sub-Committee Nomination Process" was approved by the Change Board on 22nd February 2017. Subject to no referrals by the 8th March 2017, SECMP0026 will be implemented on the 15th March 2017 (5 Working Days after the end of the referral period).

For further detail, please see the attached Modification Status Report – March 2017.

4.   Next Meeting

The next SEC Panel meeting is scheduled for Friday, 10th March 2017.

Kayla Reinhart
SECAS Team
8th March 2017

Modification Status Report

March 2017

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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 February 2017 and March 2017 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
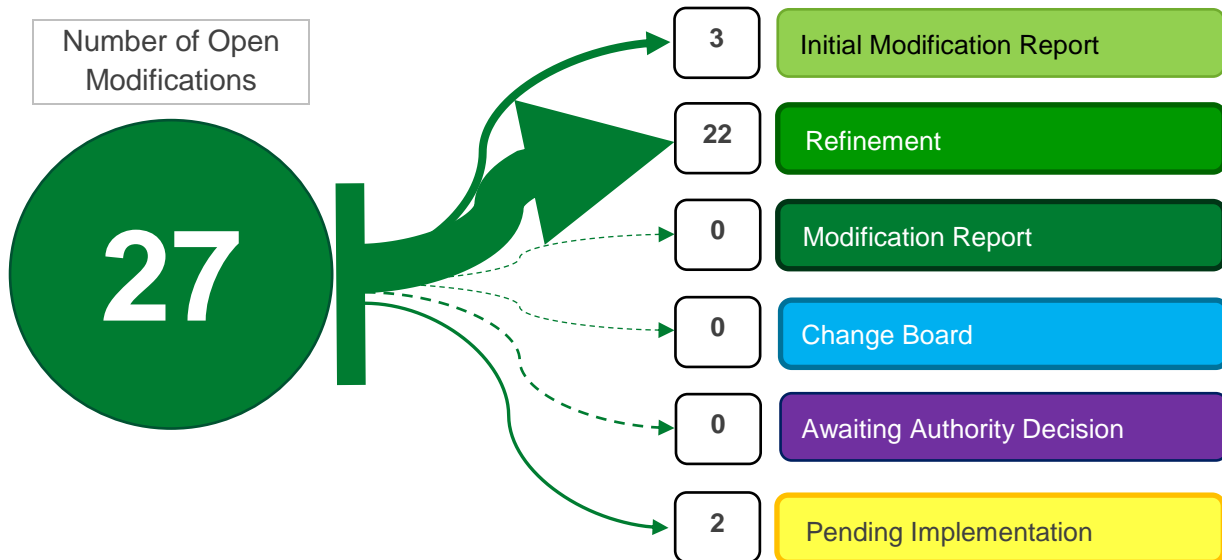
Modification Proposals in refinement, 22
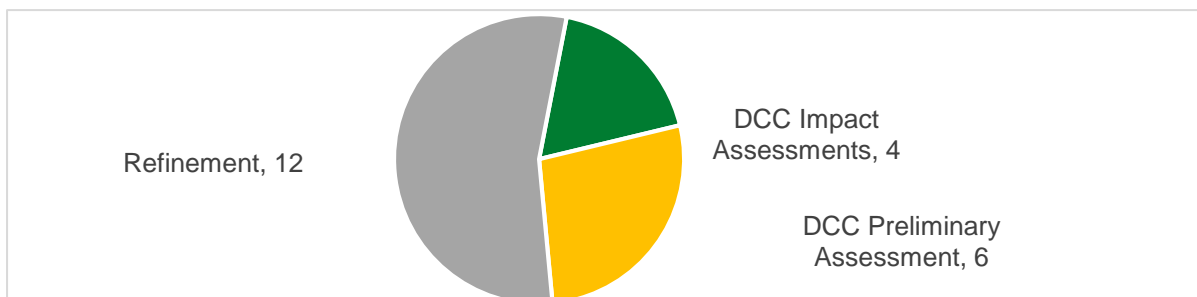
1.2. New Modification Proposals

Three new modifications were raised this month:

- **SECMP0031: Adding UTRN Functionality to SMETS**
- **SECMP0032: Prioritising Prepayment Customers in No WAN Situations**
- **SECMP0033: Update to CH Handover Support Materials**

The Initial Modification Reports for these three new Modification Proposals will be considered by the Panel at the March 2017 meeting.

1.3. Approvals and Rejections

The Change Board at its February 2017 meeting voted to approve one modification, under Path 3 – Self Governance:

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- **SECMP0026 "Changes to the Security Sub-Committee Nomination Process"** was approved by the Change Board on 22nd February 2017. Subject to no referrals by the 8th March 2017, SECMP0026 will be implemented on the 15th March 2017 (5 Working Days after the end of the referral period).

2.   Highlights from last month

SECMP0002 "Add New Command to Reset Debt Registers" & SECMP0005 "Include Tariff and Register Labels in SMETS2 Devices" – SECAS have circulated an updated Solution Design Document containing details of User Testing requirements to the Working Group (WG). The WG will consider these requirements via teleconference on 7th March 2017 in order to enable DCC IAs to be completed in the case of SECMP0002 and requested in the case of SECMP0005.

SECMP0004, SECMP0008 and SECMP0011 – The DCC has now completed and provided revised Impact Assessments for these three modifications. This information has been captured in the revised draft Modification Reports that will be considered by the Panel at the March 2017 meeting.

SECMP0027 "Amending Service Request Forecasting" - The first WG meeting took place on 27th February 2017. The Proposer and the Working Group agreed that the current set up of the forecasting-noncompliance report may penalise DCC Users too severely. Suppliers specialising in prepayment would be especially impacted. SECAS, the Proposer and the DCC agreed to refine the criteria that would determine whether a DCC User is reported or not.

SECMP0028 "Prioritising Service Requests" - The first WG meeting took place on 28th February 2017. The WG discussed potential overlaps with SECMP0030 and it was agreed that, in order for the WG to develop the case for change, the DCC should produce a model that includes scenarios of "peaks" where the DCC cannot satisfy Target Response Times when they are within aggregate forecasting.

SECMP0029 "Business Continuity and Disaster Recovery Testing Amendments" - The first WG meeting took place on 27th February 2017. The WG and the Proposer agreed to drawing out a solution that captures, at high level, processes already established by the DCC. These changes would have no DCC impact, therefore SECMP0029 is expected to involve SEC documentation only changes.

SECMP0030 "Demand Management of DCC Systems" - The first WG meeting took place on 28th February 2017. The WG agreed that the DCC (Proposer) should produce a model that includes further detail on the DCC System capacity and scenarios of "peak" demand where the DCC cannot satisfy Target Response Times when they are within aggregate forecasting. The DCC also agreed to produce examples of how User's guaranteed allocations of capacity could be calculated.

3.   Modification Proposal Progress

This table summarises the progress of all open Modification Proposals. For further details, please refer to the [Modifications Register](#).[1]

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[1] These dates may change following the Panel's consideration of new timelines contained in the Modification Progression Timetable review.

SEC
Smart Energy Code

Details (Open Modification Proposals) — 2017

Mod Ref	Title	Current Stage	Mar-17 → Nov-17 timeline (stages)
SECMP02	Add New Command to Reset Debt Registers	DCC IA	WG Consultation (Mar); WG, DMR, MR Consultation (Apr); Change Board (May); Authority Decision (Jun)
SECMP04	Add MSN data item in SMI	DCC IA	MR, MR Consultation (Mar); Change Board (Apr); Authority Decision (Apr–May)
SECMP05	Add Tariff and Register Labels in SMETS2 Devices	DCC IA	WG Cosnultation, WG (Mar); DMR, MR Consultation (Apr); Change Board (May); Authority Decision (May–Jun)
SECMP06	Specify number of digits for device displays	Refinement	Consultation (Mar); WG (Apr); DMR, MR Consultation (May); Change Board (Jun); Authority Decision (Jun–Jul)
SECMP07	Enable OTA firmware updates to mandated HAN devices	DCC IA	WG consultation, WG (Mar–Apr); DCC IA (Apr–Jul); WG Consultation, WG (Jul–Aug); DMR, MR Consultation (Sep); Change Board (Oct); Authority Decision (Oct)
SECMP08	Provide a DCC Alert for Quarantined SRs	DCC IA	(Mar–May)
SECMP009	Centralised Firmware Library	Refinement	Sub-Committee input (Mar); DCC PA [if required] (Apr–May); DCC IA [if required] (Jul–Aug); WG, WG Consultation (Sep–Nov)
SECMP010	Introduce triage arrangements for Comms Hubs	DCC PA	WG (Apr); DCC IA (Apr–Jul); WG Consultation, WG (Jul–Aug); DMR, MR Consultation (Sep); Change Board (Oct); Authority Decision (Oct)
SECMP011	Add MAP ID data item to the SMI	DCC IA	MR, MR Consultation (Mar); Change Board (Apr); Authority Decision (Apr–May)
SECMP012	Add channel selection for Shared HAN solutions	DCC PA	WG (Apr); DCC IA (Apr–Jul); WG Consultation, WG (Jul–Aug); DMR, MR Consultation (Sep); Change Board (Oct); Authority Decision (Oct)
SECMP013	Introduce triage arrangements for SMETS2 devices (e.g. smart meters)	Refinement	DMR, MR Consultation (Apr); Change Board (May); Authority Decision (May–Jun)
SECMP015	GPF Timestamp for Reading Instantaneous Gas Values	DCC PA	WG (Apr); DCC IA (Apr–Jul); WG Consultation, WG (Jul–Aug); DMR, MR Consultation (Sep); Change Board (Oct); Authority Decision (Oct)
SECMP016	Consideration of "maximum credit" value in credit cover calculation	Awaiting Implementation	Impement on 1st April 2017
SECMP018	Standardise ENO Configuration settings	DCC PA	WG, WG consutation, WG (Apr–May); DMR, MR Consutation (May); Change Board (Jun); Authority Decision (Jun–Jul)

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Details (Open Modification Proposals) — 2017

Mod Ref	Title	Current Stage	Timeline Activities (2017)
SECMP019	Standardise ALCS/HCALCS description labels	DCC PA	WG (Apr); DCC IA (May–Jun); WG Consultation (Jul); WG (Aug); DMR (Sep 4th–8th); MR Consultation (Sep); Change Board (Oct 16th–20th); Authority Decision (Oct 23rd–Nov)
SECMP21	Increase Other SEC Party representation for TABASC and SSC	Refinement	DMR (Mar 6th–10th); MR Consultation (Mar 13th–24th); Change Board (Mar 27th–31st)
SECMP23	Correct Units of Measure for Uncontrolled Gas Flow Rate	DCC PA	◆ (Mar 13th–17th); WG (Apr); DCC IA (May–Jun); WG Consultation (Jul); WG; DMR (Aug 31st–4th); MR Consultation (Aug); Change Board (Oct 2nd–6th); Authority Decision (Oct)
SECMP24	Enduring Approach to Communication Hub Firmware Management	Refinement	DMR ◆ (May 1st–5th); MR Consultation (May); Change Board (Jun 12th–16th); Authority Decision (Jun)
SECMP25	Electricity Network Party Access to Load Switching Information	Refinement	DMR ◆ (Aug 31st–4th); MR Consultation (Aug); Change Board (Oct 2nd–6th); Authority Decision (Oct)
SECMP026	Changes to Security Sub-Committee Nomination Process	Awaiting Implementation	Implementation (Mar 13th–17th)
SECMP027	Amending Service Request Forecasting	Refinement	DMR ◆ (Aug 31st–4th); MR Consultation (Aug); Change Board (Oct 2nd–6th); Authority Decision (Oct)
SECMP028	Prioritising Service Requests	Refinement	DMR ◆ (Aug 31st–4th); MR Consultation (Aug); Change Board (Oct 2nd–6th); Authority Decision (Oct)
SECMP029	Business Continuity and Disaster Recovery Testing Amendments	Refinement	DMR ◆ (Aug 31st–4th); MR Consultation (Aug); Change Board (Oct 2nd–6th); Authority Decision (Oct)
SECMP030	Demand Management of DCC Systems	Refinement	DMR ◆ (Aug 31st–4th); MR Consultation (Aug); Change Board (Oct 2nd–6th); Authority Decision (Oct)
SECMP031	Adding UTRN Functionality to SMETS	Refinement	Panel Consider IMR (Mar 13th–17th)
SECMP032	Prioritising Prepayment Customers in No WAN Situations	Refinement	Panel Consider IMR (Mar 13th–17th)
SECMP033	Update to CH Handover Support Materials	Refinement	Panel Consider IMR (Mar 13th–17th)

4. Release Contents

This section provides a summary of future releases. It highlights modifications and other known changes that are targeted at or approved for inclusion in a scheduled release date. When applicable, modifications that will be implemented as a stand-alone change are also captured.

Updates since February 2017 Panel:

- SECAS suggest that SECMP0033, which only involves minor changes to the SEC, could be released in a standalone release in May 2017. This is based on the recommendation that no refinement is required and that it should proceed to Modification Report Consultation;

- The proposed progression timelines for SECMP0031 and SECM0032, provisionally indicate that these modifications could be implemented as part of the February 2019 release. This is based on assumptions regarding impacts and implementation lead times, if approved; and

- Capturing that the DCC are aiming to deploy the solution to resolve the Secretary of State directed transition variation relating to SSI functionality (CR195) close to the current transitional variation end date in June 2017.

Standalone Implementations

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
SECMP0026 Changes to Security Sub-Committee Nomination Process. Following a February 2017 Change Board Vote to approve, SECMP0026 will be implemented on **15th March 2017, 5 WDs following the end of the Path 3 'Self-Governance' referral window.**			

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
SECMP0016 Consideration of "maximum credit" value in credit cover calculations. Following approval by the Authority, **SECMP0016 will be implemented on 1st April 2017**. SECMP0016 impacts the SEC and DCC credit cover processes.			

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
SECMP0021 Increase the representation of the "Other SEC Party" category on the SSC and TABASC. Subject to the Panel agreeing for SECMP0021 to proceed to Modification Report Consultation, and then Change Board vote in April 2017, if approved SECMP0021 could be implemented in **May 2017**. Implementation in May 2017 would be subject to it continuing to proceed as a Path 3 – Self Governance Modification and is implemented 5 WDs after the 10 WD referral period.			

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Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
SECMP0033 Update to CH Handover Support Materials			

If approved SECMP0033 could be implemented in **May 2017**. This would be subject to SECMP0033 proceeding as a Path 3 – Self Governance Modification and is implemented 5 WDs after the 10 WD referral period.

A May 2017 implementation would be subject to the Panel, at the March 2017 meeting, agreeing that refinement is not required and that SECMP0033 proceeds to Modification Report Consultation and then Change Board vote in April 2017.

SECMP0033 makes minor changes to SEC Sections A (Definitions and Interpretation) and H (DCC Services) as well as SEC Appendix H (CH Handover Support Materials), to align with how certain DCC process and activities have been implemented in practice following input from industry via a number of DCC Forums.

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
Deployment of solution to resolve current Secretary of State directed Transitional Variations			

CR195: Self Service Interface Functionality (Section H8.16(c))

Based on the current transitional variation end date of 30th June 2017, the DCC are currently planning to implement the necessary changes to resolve the transitional variation on or near the variation end-date.

Current understanding is that the solution to resolve the variation, will not formally be part of the scheduled June 2017 Release.

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 Release content undertaken at the September 2016 and October 2016 Panel meetings.

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November 2017 Release (Release 1.4) (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 Release content undertaken at the September 2016 and October 2016 Panel meetings.			
Deployment of solutions to resolve current Secretary of State directed Transitional Variations 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 (Release 2) (22nd February 2018)

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
BEIS-executed changes CR184: Dual Band Communications Hubs CR194: Designation of new Technical Specifications, GBCS and other SEC changes (Technical Specification Group (TSG)2)			

June 2018 Release (28th June 2018)

Modifications		Status	Potential Impacts	
Ref	Name		**Docs**	**Systems**
0004	Add MSN data item in SMI	Following an Authority approval in May 2017, June 2018 would be the earliest point that these modifications could be implemented if approved following completion of the Modification Process.	SMETS2, GBCS, DUIS	DCC
0008	Provide a DCC Alert for Quarantined SRs		DUIS, TADP	DCC
0011	Add MAP ID data item to the SMI		DUIS	DCC

November 2018 Release (1st November 2018)

Modifications		Status	Potential Impacts	
Ref	Name		**Docs**	**Systems**
0002	Add New Command to Reset Debt Registers	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	SMETS2, GBCS, DUIS, MMC	DCC
0005	Add Tariff and Register Labels in SMETS2 Devices		SMETS2, GBCS, DUIS	DCC

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Modifications		Status	Potential Impacts	
Ref	Name		Docs	Systems
0006	Specify number of digits for device displays	may be implemented if approved following completion of the Modification Process.	SMETS2, GBCS, CHTS	SMS
0007	Enable OTA firmware updates to mandated HAN devices		SMETS2, GBCS, CHTS	DCC
0009	Centralised Firmware Library		SEC	TBC
0010	Introduce triage arrangements for Communications Hubs		CHIMSM, CHTS	DCC
0012	Add channel selection for Shared HAN solutions		SMETS2, GBCS, DUIS, CHTS, MMC, DUGIS	TBC
0013	Introduce triage arrangements for SMETS2 devices (e.g. smart meters)		DUIS	DCC, SMS
0015	GPF timestamp for reading instantaneous Gas values		SMETS2, GBCS	DCC
0018	Standardise ENO Configuration settings		GBCS	
0019	Standardise ALCS/HCALCS description labels		DUIS	DCC, DCC Users
0023	Correct Units of Measure for Uncontrolled Gas Flow Rate		SEC, DUIS, SMETS2	DCC, Users
0024	Enduring Approach to Communication Hub Firmware Management		SEC, DUIS	DCC, SMS
0025	Electricity Network Party Access to Load Switching Information		SEC, DUIS, SMETS2	DCC, Users
0027	Amending Service Request Forecasting		SEC	DCC, Users

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Modifications		Status	Potential Impacts	
Ref	Name		Docs	Systems
0028	Prioritising Service Requests		SEC, DUIS	DCC, Users
0029	Business Continuity and Disaster Recovery Testing Amendments		SEC	
0030	Demand Management of DCC Systems		SEC, DUIS	DCC, Users

February 2019 Release (28th February 2019)

Modifications		Status	Potential Impacts	
Ref	Name		Docs	Systems
0031	Adding UTRN Functionality to SMETS	Based on the proposed progression timetables and potential implementation lead times arising from DCC and/or User Impacts this may be the earliest release these changes could be implemented in.	CHTS, GBCS, SEC	DCC
0032	Prioritising Prepayment Customers in No WAN Situations		CHTS, SEC, DUIS	DCC

For further details on the indicative content of future releases. Please refer to the Indicative Release Content Overview. This is available on the About Releases webpage on the SEC Website.

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