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Action:	For Information

Change Status Report – January 2020

1. Purpose

This document is the Change Status Report, which provides information on the progress of Smart Energy Code (SEC) Modifications and Releases.

The Data Communications Company (DCC)'s progress report on Preliminary Assessments and Impact Assessments is included as Appendix A to this report.

2. Recommendations

The Panel is requested to **NOTE** the contents of this report.

Harry Jones

SECAS Team

10 January 2020

Attachments:

- **Appendix A:** DCC Preliminary Assessments and Impact Assessments update

1. Summary

This report provides a monthly update on the status and progress of SEC Draft Proposals, Modification Proposals and Releases, highlighting key information and decisions made.

More detailed information can be found in the [Modification Register](#).

Proposals currently in each stage



Draft Proposals for conversion

There are four Draft Proposals being presented to the Panel for conversion to a Modification Proposal this month:

- [DP099 'Incorporation of multiple Issue Resolution Proposals into the SEC - Batch 4'](#)
- [DP102 'Power Outage Alerts triggered by an OTA firmware upgrade'](#)
- [DP103 'DCC SOC2 Assessments'](#)
- [DP105 'Sending SR11.2 to Devices in Suspended State'](#)

Modification Reports

There are two Modification Reports being presented to the Panel this month:

- [MP084 'Other User Panel Seating Amendment'](#)
- [MP088 'Power to raise modifications'](#)

Decisions

The Change Board approved three Modification Proposals under Self-Governance:

- [MP086 'Alt HAN Roll-Out Financing'](#)
- [MP089 'Changes to Appendix R 'Common Testing Scenarios Document''](#)
- [MP091 'Updating Security Assurance Status'](#)

2. Define

New Draft Proposals

DP098

[DP098 'Incorporation of multiple Issue Resolution Proposals into the SEC - Batch 3'](#) was raised by EDF Energy on 11 December 2019.

Issue Resolution Proposals (IRPs) identify issues within the SEC Technical Specification documents and put forward a solution to the identified problem. BEIS has previously implemented IRPs via BEIS-led designations; however, this process was handed over to SECAS for changes to be implemented through the Modifications Process. This modification is to implement 21 non-DCC System-impacting IRPs.

DP099

[DP099 'Incorporation of multiple Issue Resolution Proposals into the SEC - Batch 4'](#) was raised by the DCC on 12 December 2019.

IRPs identify issues within the SEC Technical Specification documents and put forward a solution to the identified problem. BEIS has previously implemented IRPs via BEIS-led designations; however, this process was handed over to SECAS for changes to be implemented through the Modifications Process. This modification is to implement two DCC System-impacting IRPs.

DP100

[DP100 'Service Response Traffic Management'](#) was raised by Utiligroup on 12 December 2019.

There are currently no proposals offering management when the DCC Systems have suffered an outage or restriction and are then restored. In these scenarios Service Responses will be queued while the DCC Systems are restricted and then be sent to the Users when DCC Systems come back online. Users' adapter systems will receive all of these Service Response messages at once, irrespective of priority.

DP101

[DP101 'Large Gas Meter Displays'](#) was raised by SSE on 12 December 2019.

The implementation of SECMP0006 'Specifying the number of digits for device display' resulted in amendments to the Smart Metering Equipment Technical Specifications (SMETS) 2 to standardise the number of digits used to display Consumption Registration on a User Interface. Due to the greater flow rate, they require more than the five most significant digits to meet the Measuring Instruments Directive (MID). This means the current requirement in the SMETS to have only five digits before a decimal point conflicts with the MID requirement.

DP102

[DP102 'Power Outage Alerts triggered by an OTA firmware upgrade'](#) was raised by SSEN on 18 December 2019.

Currently, there is no obligation in the SEC to require an Over The Air (OTA) firmware update not to generate a Power Outage Alert (POA). There are also no means of identifying or suppressing erroneous POAs associated with an OTA firmware update from the 500,000 Electricity Smart Metering Equipment (ESMEs) in service where this issue can't be addressed.

DP103

[DP103 'DCC SOC2 Assessments'](#) was raised by the Security Sub Committee (SSC) on 18 December 2019.

Currently, SEC Section G requires the DCC to undertake an annual Systems Organisation Controls 2 (SOC2) assessment to gain independent assurance of its compliance with the SEC security obligations and the security controls in place at DCC and its Service Providers. Unnecessary cost is incurred in both undertaking the assessment and in complying with an assurance framework that does not relate to the SEC provisions.

DP104

[DP104 'Security Improvements'](#) was raised by the SSC on 18 December 2019.

The nature of the change is being discussed by the Change Sub-Committee (CSC) and the SSC. In line with the Panel Information Policy, this modification has been classified as Red which means that the information is non-disclosable and for the time being is restricted to the SSC, SECAS and the DCC. We will update Parties when the SSC deems the documents to be less restricted.

DP105

[DP105 'Sending SR11.2 to Devices in Suspended State'](#) was raised by the DCC on 18 December 2019.

While a Device which has firmware removed from the Central Products List (CPL) is in a 'Suspended' state, only a Critical Service Request (SR) can be sent to those Devices, and any Non-Critical SRs will be rejected by the Data Service Provider (DSP) with an E5 error. If the SR11.3 'Activate Firmware' response for successful firmware activation is not received by the DSP, the Device will remain in the 'Suspended' state even though the new firmware is activated on the meter. There is no other recoverable method unless another new firmware update takes place.

DP106

[DP106 'CHISM update for Unknown WAN Variant'](#) was raised by the DCC on 30 December 2019.

When a User sends Service Request 12.1 'Request WAN Matrix' to receive Smart Metering Wide Area Network (SM WAN) Coverage, in an exception case, the Communications Service Provider (CSP) for the South and Central regions may respond to a SM WAN Coverage request (CSPM-S1 or CSPM-S2) with an Availability Date for coverage but without being able to confirm the WAN Variant that will need to be used. This results in " " (Space) being returned as the WAN variant, which has been identified by a customer as potentially confusing. Therefore, a change in the wording has been requested.

Change Sub-Committee decisions

The CSC determined that the following Draft Proposal was ready to be presented to the Panel for conversion to a Modification Proposal:

- [DP099 'Incorporation of multiple Issue Resolution Proposals into the SEC - Batch 4'](#)
- [DP102 'Power Outage Alerts triggered by an OTA firmware upgrade'](#)
- [DP103 'DCC SOC2 Assessments'](#)
- [DP105 'Sending SR11.2 to Devices in Suspended State'](#)

The CSC also determined that [DP104 'Security Improvements'](#) is ready for conversion, but should not be presented to the Panel until SECAS and the SSC have agreed the most appropriate way to progress this proposal through the Modification Process.

The CSC determined that the following Draft Proposals need further development before being presented to the Panel for conversion to Modification Proposal:

- [DP098 'Incorporation of multiple Issue Resolution Proposals into the SEC - Batch 3'](#)
- [DP100 'Service Response Traffic Management'](#)
- [DP101 'Large Gas Meter Displays'](#)
- [DP106 'CHISM update for Unknown WAN Variant'](#)

3. Refine

Working Group meetings

An ad-hoc Working Group meeting was held on 19 December 2019 to discuss [SECMP0007](#) 'Firmware updates to IHDs and PPMIDs'.

The January 2020 meeting, scheduled for 8 January 2020, was cancelled as there were no modifications ready for discussion.

The next monthly Working Group meeting will be held on **5 February 2020**, and the agenda for this session will be confirmed on 22 January 2020.

Refinement Consultations

There are currently no Modification Proposals out for Refinement Consultation.

There are no Refinement Consultations expected to be issued during January 2020.

Impact Assessment requests

No Impact Assessments were requested at the December 2019 Change Board meeting.

DCC Assessment timescales

The timescales below are correct as at the end of December 2019.

Summary		
Assessment	Total	Average duration
Preliminary Assessments open	7	66 WD
Preliminary Assessments completed during 2019/20	7	67 WD
Impact Assessments open	3	140 WD
Impact Assessments completed during 2019/20	2	56 WD

Open Assessments				
Modification	Type	Accepted	Target duration	Current duration
SECMP0007	IA	30 Jul 19	40 WD	89 WD
SECMP0015	IA	25 Apr 19	40 WD	154 WD
SECMP0024	PA	29 May 19	15 WD	155 WD
SECMP0056	IA	2 Jul 19	40 WD	131 WD
SECMP0066	PA	13 Jun 19	15 WD	144 WD
MP078	PA	1 Oct 19	15 WD	66 WD
MP080	PA	22 Nov 19	15 WD	28 WD

Open Assessments				
Modification	Type	Accepted	Target duration	Current duration
MP090	PA	22 Nov 19	15 WD	28 WD
MP092	PA	02 Dec 19	15 WD	22 WD
MP093	PA	02 Dec 19	15 WD	22 WD

Assessments completed during 2019/20				
Modification	Type	Returned	Target duration	Actual duration
SECMP0007	PA	11 Apr 19	15 WD	201 WD
SECMP0046	PA	9 Sep 19	15 WD	31 WD
SECMP0053	PA	2 May 19	15 WD	87 WD
SECMP0053	IA	20 Sep 19	40 WD	35 WD
SECMP0056	PA	24 Apr 19	15 WD	65 WD
SECMP0062	IA	4 Jul 19	40 WD	77 WD
SECMP0063	PA	1 Aug 19	15 WD	18 WD
SECMP0067	PA	5 Jun 19	25 WD	24 WD
MP077	PA	31 Dec 19	30 WD	40 WD

4. Opine

Modification Report Consultations

There are currently no Modifications Proposals out for Modification Report Consultation.

The following Modification Report Consultations are expected to be issued in the week commencing 20 January 2020 and will be open for 15 Working Days:

- [MP084 'Other User Panel Seating Amendment'](#)
- [MP088 'Power to raise modifications'](#)

Change Board votes

The Change Board voted on three modifications on 20 December 2019:

- [MP086 'Alt HAN Roll-Out Financing'](#) was approved for implementation in the February 2020 SEC Release.
- [MP089 'Changes to Appendix R 'Common Testing Scenarios Document''](#) was approved for implementation on 20 January 2020 as a standalone Release.
- [MP091 'Updating Security Assurance Status'](#) was approved for implementation in the February 2020 SEC Release.

Authority decisions

There were no Authority decisions in the last month.

Modification progression timescales

The timescales below are correct as at the end of December 2019.

Proposal timescales		
Status	Total	Average duration
Proposals open (pre-decision)	40	292 WD
Proposals concluded during 2019/20	15	191 WD

5. Release

SEC Releases

There are currently three modifications approved for implementation in the February 2020 SEC Release (27 February 2020):

- [MP081 'Alignment of DUIS and CHISM to reflect current DCC Processing'](#)
- [MP086 'Alt HAN Roll-Out Financing'](#)
- [MP091 'Updating Security Assurance Status'](#)

There is currently one modification approved for implementation in the June 2020 Release (25 June 2020):

- [SECMP0053 'Amend Target Response Times for Service Requests Critical to Installation and Commissioning Processes'](#)

There are currently two modifications approved for implementation as standalone releases:

- [SECMP0069 'EU Exit Changes'](#) will be implemented on the UK EU Exit Date.
- [MP089 'Changes to Appendix R 'Common Testing Scenarios Document''](#) will be implemented on 20 January 2020.

SEC Modification – DCC Assessments

DCC Monthly Update

Date:

03/12/2019

Author:

DCC

Classification:

DCC Public

1 Introduction

The purpose of this document is to provide an update on DCC's progress with the production of Preliminary (PAs) and Impact Assessments (IAs) (together "DCC assessments") as well as progress to delivery.

This document contains the delivery dates for DCC assessments that have been requested by Working Groups in accordance with SEC D6.9, as well as highlighting and providing rationale for any changes to the same report from the previous month.

This report is intended for:

- SEC Panel Members
- Parties
- Ofgem
- BEIS
- SECAS
- Any other interested stakeholders

Should you have any questions in relation to or comments on this report, please contact DCC at mods@smartdcc.co.uk.

2 Key and Definitions

The following has been provided to assist in the reader's understanding of the table in Section 3.

Key					
	PA in progress		IA in progress	No outstanding assessment request	Greyed out text No further DCC input anticipated

Definitions					
PA WG Request Received Date	Target PA Delivery Date	Actual PA Delivery Date	IA WG Request Received Date	Target IA Delivery Date	Actual IA Delivery Date
The date that the PA is requested from DCC by SECAS	The target date that DCC will aim to submit the PA to WG	The actual date that the PA is delivered to WG by DCC	The date that the IA is requested from DCC by the WG	The target date that DCC will aim to submit the IA to WG	The actual date that the IA is delivered to WG by DCC

3 DCC Assessment Delivery Dates

This table provides an update on DCC's delivery of PAs and IAs to Working Groups.

SECMP#	Title	DCC Assessment Status	PA WG Request Accepted Date	Target PA Delivery Date	Actual PA Delivery Date	IA WG Request Accepted Date	Target IA Delivery Date	Actual IA Delivery Date	Notes
0024	Enduring Approach to Communication Hub Firmware Management	PA in progress	05/07/2019	10/12/2019					PA in progress
0078	Incorporation of multiple Issue Resolution Proposals into the SEC - Part 2'	PA in progress	30/09/2019	31/12/2019	31/12/2019				Awaiting IA Request
0077	DCC Service Flagging	PA in progress	06/11/2019	18/12/2019	31/12/2019				Awaiting IA Request
0080	Ensuring a managed move to DUIS version 3.1	PA in progress	22/11/2019	20/12/2019					PA in progress
0090	Incorporation of Non GBCS Non-Mandated Alerts into the SEC	PA in progress	22/11/2019	20/12/2019					

SECMP#	Title	DCC Assessment Status	PA WG Request Accepted Date	Target PA Delivery Date	Actual PA Delivery Date	IA WG Request Accepted Date	Target IA Delivery Date	Actual IA Delivery Date	Notes
0092	New Planned Maintenance methodology	PA in progress	02/12/2019	23/12/2019					PA in progress
0093	Implementing IRP511 and CRP535 to support GBCS v3.2 devices	PA in progress	02/12/2019	23/12/2019					PA in progress
0007	Firmware updates to IHDs and PPMIDs	IA in progress	N/A	14/06/2019	02/04/2019	30/07/2019	10/01/2020		IA in progress
0015	GPF timestamp for reading instantaneous Gas values	IA in progress	03/10/2016	10/10/2016	20/03/2017	19/08/2019			IA in progress
0056	IHD / PPMID Zigbee Attributes Available on the HAN	IA in progress	24/01/2019	19/02/2019	24/04/2019	25/06/2019	10/12/2019		IA in progress
0010	Introduction of triage arrangements for Communication Hubs	No outstanding assessment request	N/A	30/03/2019	17/05/2019				

SECMP#	Title	DCC Assessment Status	PA WG Request Accepted Date	Target PA Delivery Date	Actual PA Delivery Date	IA WG Request Accepted Date	Target IA Delivery Date	Actual IA Delivery Date	Notes
0053	Amend Target Response Times for Service Requests Critical to Installation and Commissioning Processes	No outstanding assessment request	11/02/2019	23/01/2019	01/05/2019	05/08/2019	20/09/2019	20/09/2019	
0046	Allow DNOs to control Electric Vehicle chargers connected to Smart Meter infrastructure	No outstanding assessment request	22/07/2019	06/09/2019	06/09/2019				Awaiting IA request
0066	Advanced Shipment Notifications (ASN) for Consignment of Communications Hubs.	No outstanding assessment request	08/07/2019	30/07/2019	01/10/2019				Awaiting IA request

SECMP#	Title	DCC Assessment Status	PA WG Request Accepted Date	Target PA Delivery Date	Actual PA Delivery Date	IA WG Request Accepted Date	Target IA Delivery Date	Actual IA Delivery Date	Notes
0012	Channel selection to support Shared HAN solutions	No outstanding assessment request	23/12/2016		13/09/2017				On hold indefinitely until the Alt HAN project reaches a position that can inform the Working Group of the value of progressing it
0013	Smart meter device diagnostics and triage	No outstanding assessment request	N/A	30/03/2019	22/05/2019				Awaiting IA request
0032	Prioritising Prepayment Customers in No WAN Situations	No outstanding assessment request	18/04/2018		12/10/2018				On Hold
0062	Northbound Application Traffic Management - Alert Storm Protection	No outstanding assessment request	06/12/2018	31/12/2018	31/01/2019	20/03/2019	20/05/2019	22/05/2019	Due to attend Change Board on 22/Jan/2020

SECMP#	Title	DCC Assessment Status	PA WG Request Accepted Date	Target PA Delivery Date	Actual PA Delivery Date	IA WG Request Accepted Date	Target IA Delivery Date	Actual IA Delivery Date	Notes
0063	Ensuring correct Network Operator Certificates are placed on Electricity Smart Meters	No outstanding assessment request	25/06/2019	17/07/2019	01/08/2019				Awaiting IA request
0067	Service Request Traffic Management	No outstanding assessment request	N/A	07/06/2019	05/06/2019				Awaiting IA request
0038	Sending Commands via PPMIDs	No outstanding assessment request	16/10/2017	15/06/2018	02/07/2018	05/09/2018	12/10/2018	12/10/2018	On hold

4 Modifications – Implementation Status

5 Modifications – No system impact assessment yet requested

SECMP #	Title	DCC Assessment Status
0028	Prioritising Service Requests	On hold.
0037	Pairing Local PPMIDs	On hold.
0055	Incorporation of multiple Issue Resolution Proposals into the SEC	Awaiting Implementation.

6 Modifications – No further assessment required by DCC

SECMP#	Title	Date added	DCC Assessment Status
0058	Changes to the governance of the Self-Service Interface	24/04/2019	Implemented
0043	Modification to Services Force Majeure Provisions	23/04/2019	Implemented

SECMP#	Title	Date added	DCC Assessment Status
0059	Amendments to SEC Security Assessments for Non-Domestic Suppliers and Other Users	23/01/2019	Implemented
0042	Amendment to SMKI Services to provide DCC Users and/or SMKI Participants with Authorised Responsible Officer (ARO) Statistics and Information	23/01/2019	Withdrawn
0039	Communication Hub returns notification mechanism for Other SEC Parties	04/03/2019	Implemented
0023	Correct Units of Measure for Uncontrolled Gas Flow Rate	30/01/2019	Implemented
0068	Alt HAN Company third party rights to enable external financing arrangements	28/01/2019	Implemented
0018	Standard Electricity Distributor Configuration Settings	24/01/2019	Implemented
0064	Alt HAN Co permission to seek access for Alt HAN Activities as a representative of energy suppliers	28/02/2019	Implemented
0049	Section D Review: Amendments to the Modification Process	04/03/2019	Implemented

SECMP#	Title	Date added	DCC Assessment Status
0025	Electricity Network Party Access to Load Switching Information	05/04/2019	Implemented
0002	Add New Command to Reset Debt Registers	06/10/2017	Rejected
0003	Deficiencies in the Service Request for setting Maximum Demand Configurable Time	01/12/2016	SECMP withdrawn
0004	Inclusion of Device Serial Number data item in the Smart Metering Inventory	03/03/2017	Rejected
0005	Include Tariff and Register Labels in SMETS2 Devices	03/05/2018	Withdrawn
0009	Centralised Firmware Library	03/01/2019	Accepted - implemented
0011	Including the MAP ID in the Smart Metering Inventory	03/03/2017	Rejected
0014	Standardise Formatting of Device ID	02/11/2016	Withdrawn
0016	Consideration of "Maximum Credit" value in credit cover calculation	02/11/2016	Implemented

SECMP#	Title	Date added	DCC Assessment Status
0017	CGR Phase 3 outcomes: Code Administrator to chair Modification Working Groups	02/11/2016	Implemented
0019	ALCS Description Labels	25/07/2018	Implemented
0020	Removal of the confidential classification of the unique identifiers listed in SEC Schedule 5	02/11/2016	Implemented
0021	Increase the representation of the "Other SEC Party" category on the SSC and TABASC.	02/11/2016	Rejected
0022	SMKI PMA Governance Changes	02/11/2016	Implemented
0033	Update to CH Handover Support Materials	02/06/2017	Implemented
0034	Changes to the SEC Section D for DCC analysis provisions	02/05/2018	Implemented
0035	Updates to SEC Appendix B – Organisation ARL expiration date to be aligned to DCCKI ARL	07/07/2017	Implemented
0041	Amending the Change Board decision making rules for Modification Proposals	20/09/2018	Rejected

SECMP#	Title	Date added	DCC Assessment Status
0044	User Security Assessment of a Shared Resource	25/07/2018	Implemented
0045	Incorporation of the requirements of the General Data Protection Regulations	02/05/2018	Implemented
0048	Extension of SMETS gas Valve exemption to include Large Gas Meters installed at Domestic Premises	25/07/2018	Implemented
0054	Changes to DCC Explicit Charges for Test Houses	06/06/2018	Withdrawn
0006	Specifying the number of digits for device display	08/11/2018	Implemented
0008	Provision of a DCC Alert (formerly Service Request Error Response) for Quarantined Service Requests	01/11/2018	Implemented
0027	Amending Service Request Forecasting	01/11/2018	Implemented
0029	Business Continuity and Disaster Recovery Testing Amendments	01/11/2018	Implemented
0031	Adding UTRN Functionality to SMETS	08/10/2018	Withdrawn

SECMP#	Title	Date added	DCC Assessment Status
0036	Single User ID for Users acting in one or more User Roles	14/09/2017	Implemented
0040	Changes to how DCC Users schedule and carry out User Security Assessments after completion of the User Entry Process	22/11/2017	Implemented
0047	Default Provisions for Other SEC Parties	31/10/2018	Implemented
0050	Section D Review: Moving the Working Group Terms of Reference to a separate document	01/11/2018	Implemented
0052	Updates to the DCCKI CP and DCCKI RAPP	01/11/2018	Implemented
0057	Users to notify SSC of a second or subsequent User System	28/02/2019	Implemented
0061	Enduring SEC Release Provisions	28/02/2019	Implemented
0065	SMETS1 Security Obligation	08/11/2018	Implemented
0030	Demand Management of DCC Systems	19/12/2017	Withdrawn

SECMP#	Title	Date added	DCC Assessment Status
0001	Updating the SEC to reflect abolition of the National Consumer Council (NCC)	27/05/2014	Implemented
0026	Changes to the Security Sub-Committee Nomination Process	15/03/2017	Implemented
0051	Section D Review: Amendments to the Fast Track Modification process	01/11/2018	Implemented
0060	Amend Requirements to remove 'Pending' devices from SMI	04/09/2018	Implemented