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 5.1

SEC Version 5.1 came into effect on 14th December 2016, following the Change Board approval of SECMP0020 Modification Proposal – "Removal of the confidential classification of the unique identifiers listed in SEC Schedule 5" and SECMP0022 Modification Proposal – "Expanding SMKI PMA membership and removing Alternate restrictions" at its 23th November 2016 meeting.

Implementation of these Modification Proposals required amendments to SEC Section L and SEC Schedule 5.

More information on the latest designation can be found on the latest news articles on the SECAS Website.

2.2 SEC Version 5.2

SEC Version 5.2 has been designated to reflect amendments directed by the Secretary of State (SoS). The SoS has designated changes, via a direction letter, to SEC Appendix AC – Inventory, Enrolment and Withdrawal Procedures to enable the DCC to assure Communications Hub functioning in the production environment ("CH Production Proving"). These changes came into effect on 21st December 2016.

More information on the latest designation can be found on the latest news articles on the SECAS Website.

3. SEC Modifications Update

3.1 Approvals and Rejections

The consultation for SECMP0016 "Consideration of "Maximum Credit" value in credit cover calculation" closed on 7th December 2016 and the Change Board meeting was held on 21st December 2016. The Change Board voted to recommend that SECMP0016 should be approved. The modification is with BEIS for Authority determination.

3.2 New SEC Modification Proposal

There have been five new Modification Proposals raised since the December 2016 UNC Modification Panel meeting. These are outlined in Table one below:

SEC Modification Proposal	Summary of Modification
SECMP0026 – Changes to the Security Sub-Committee Nomination Process	This modification seeks to alter the current Security Sub-Committee's (SSC) member nomination process in three areas to: • require that nominators must hold a relevant senior position within their organisation; • grant the SSC authority to reject nominees if they lack relevant security expertise; and • require that nominees undergo security vetting.
SECMP0027 – Amending Service Request Forecasting	The Proposer has highlighted that forecasting the number of individual Service Requests is going to be very challenging for DCC Users, especially for top ups. This modification seeks to amend the forecasting rules.
SECMP0028 – Prioritising Service Requests	This Modification Proposal seeks to introduce Service Request prioritisation with the rationale that some Service Requests are fundamental to the customer experience of the market and should take priority over other, non-critical Service Requests.
SECMP0029 – Business Continuity and Disaster Recovery Testing Amendments	This Modification Proposal seeks to amend the DCC obligations on the Business Continuity and Disaster Recovery (BCDR) to ensure that Service Requests (SRs) are processed as soon as possible to reduce customer impacts.
SECMP0030 – Demand Management of DCC Systems	Where network traffic approaches or exceeds the capacity of the DCC System, Users could experience fluctuations in system performance, extended round trip times or in extreme cases the system could fail. This modification proposes to implement an enduring solution that protects the DCC System when aggregate demand cannot be satisfied simultaneously. This modification proposes establishing appropriate rules to enable the prioritisation of Service Requests and Service Responses across the DCC User Interface and the prioritisation by the DCC of Commands to be sent to Communications Hub Functions and Certificate Signing Request volumes in an equitable, fair and transparent way. Rules by which DCC will actively control Device Alert volumes should also be considered for inclusion in this modification process.

Table one: New Modification Proposal

3.3 SEC Modification Proposals in the Refinement Process

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

Modification Proposal #	Modification Proposal Title	Update
SECMP0004	Inclusion of Meter Serial Number data item in the Smart Metering Inventory	At the December 2016 meeting, the SEC Panel chose to return these three modifications to the refinement stage, to incorporate greater DCC cost granularity, further detail, costs associated with User
SECMP0008	Provision of a DCC Alert (formerly Service Request	

	Error Response) for Quarantined Service Requests	Testing, and a refined structure of the case for change. SECAS has redrafted the Solution Design Document to include User Testing and requested revised DCC IAs on the 23rd December 2016. These three modifications are expected to be returned to the SEC Panel at its March 2017 meeting.
SECMP0011	Including the MAP ID in the Smart Metering Inventory	
SECMP0010	Introduction of triage arrangements for Communication Hubs	DCC is preparing a PA, which the Working Group will then assess. DCC noted further delays for producing the PA and the new revised delivery date is on 20th January 2017.
SECMP0012	Channel selection to support Shared HAN Solutions	SECAS and the Proposer finalised the refinement of the business requirements and requested the PA on 23rd December 2016. The PA has an estimated delivery date of 27th January 2017.
SECMP0018	Standard Electricity Distributor Configuration Settings	SECAS and the Proposer finalised the refinement of the business requirements and requested a DCC PA on 15th December 2016. The PA has an estimated delivery date of 23rd January 2017.
SECMP0019	Auxiliary Load Control Switches (ALCS) Description Label	SECAS and the Proposer finalised the refinement of the business requirements and requested a DCC PA on 6th January 2017. The PA has an estimated delivery date of 9th February 2017.
SECMP0021	Increase Other SEC Party representation for TABASC and SSC	SECMP0021 Working Group Consultation is issued. Working Group meetings were held on 13th December 2016 and on 21st December 2016 and a two-part proposed solution was developed to: • Add two 'Other SEC Party' member seats to the membership structure of the SSC; and • Increase the number of 'Other SEC Party' member seats on the TABASC from two to four. Please see the SEC Website for the Working Group Consultation, draft legal text and Working Group Consultation response form. Responses are due on 30th January 2017.
SECMP0002	Add New Command to Reset Debt Registers	Working Groups did not meet in December 2016 as work is being undertaken to gather

SEC Update
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SECMP0005	Inclusion of Tariff and Register Labels on SMETS2 Devices	the necessary information to enable further Working Group discussion.
SECMP0006	Specifying the number of digits for device displays	
SECMP0007	Firmware updates to mandated HAN devices	
SECMP0009	Centralised Firmware Library	
SECMP0013	Smart meter device diagnostics and triage	
SECMP0015	GPF timestamp for reading instantaneous Gas values	
SECMP0023	Correct Units of Measurement for Uncontrolled Gas Flow Rate	
SECMP0024	Enduring Approach to Communication Hub Firmware Management	
SECMP0025	Electricity Network Party Access to Load Switching Information	

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 January 2017 Modification Status Report is attached to this paper.

4. Next Meeting

The next SEC Panel meeting is scheduled for Friday, 13th January 2017.

Kayla Reinhart
SECAS Team
11th January 2017

SEC Update
January 2017

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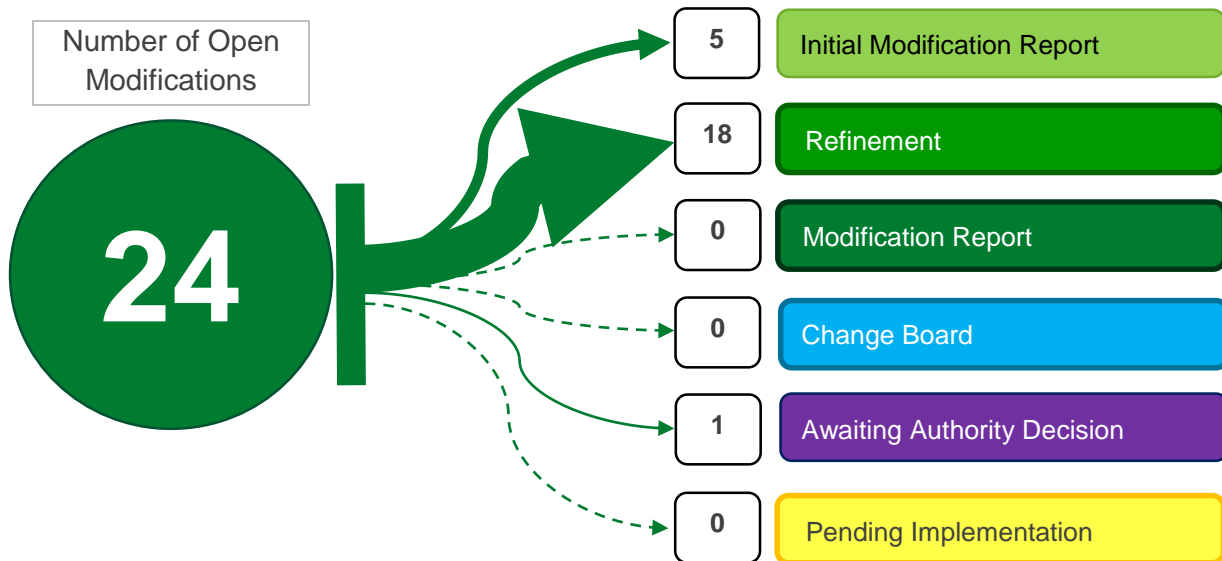
Modification Status Report

January 2017

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 December 2016 and January 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

Number of Open Modifications		
24	5	Initial Modification Report
	18	Refinement
	0	Modification Report
	0	Change Board
	1	Awaiting Authority Decision
	0	Pending Implementation

Modification Proposals in refinement, 18

Refinement, 8
DCC Impact Assessments, 4
DCC Preliminary Assessment, 6
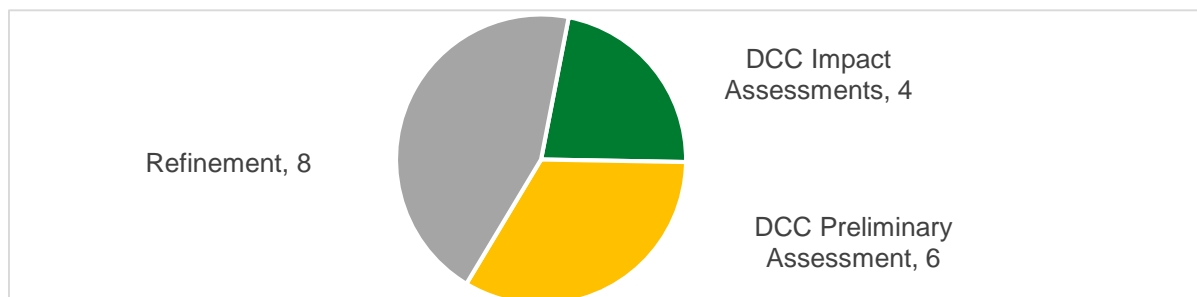
1.2. New Modification Proposals

Five new modifications were raised this month:

- SECMP0026 "Changes to the Security Sub-Committee Nomination Process";
- SECMP0027 "Amending Service Request Forecasting";
- SECMP0028 "Prioritising Service Requests";
- SECMP0029 "Business Continuity and Disaster Recovery Testing Amendments"; and
- SECMP0030 "Demand Management of DCC Systems".

1.3. Approvals and Rejections

One Change Board recommendation was made last month to vote on the approval or rejection of Modifications Proposals:

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- The consultation for **SECMP0016 "Consideration of "Maximum Credit"** value in credit cover calculation" closed on 7th December 2016 and the Change Board meeting was held on 21st December 2016. The Change Board voted to recommend that SECMP0016 should be approved. The modification is currently with BEIS for Authority determination.

2.   Highlights from last month

SECMP0004, SECMP0008 & SECMP0011: At the December 2016 meeting, the SEC Panel chose to return these three modifications to the refinement stage, to incorporate greater DCC cost granularity, further detail, costs associated with User Testing, and a refined structure of the case for change. SECAS has redrafted the Solution Design Document to include User Testing and requested revised DCC IAs on the 23rd December 2016. These three modifications are expected to be returned to the SEC Panel at its March 2017 meeting.

SECMP0010 "Introduce triage arrangements for Communication Hubs": DCC is preparing a PA, which the Working Group will then assess. DCC noted further delays for producing the PA and the new revised delivery date is on 20th January 2017.

SECMP0012 "Add channel selection for Shared HAN solutions": SECAS and the Proposer finalised the refinement of the business requirements and requested the PA on 23rd December 2016. The PA has an estimated delivery date of 27th January 2017.

SECMP0018 "Standard Electricity Distributor Configuration Settings": SECAS and the Proposer finalised the refinement of the business requirements and requested a DCC PA on 15th December 2016. The PA has an estimated delivery date of 23rd January 2017.

SECMP0019 "ALCS Description Labels": SECAS and the Proposer finalised the refinement of the business requirements and requested a DCC PA on 6th January 2017. The PA has an estimated delivery date of 9th February 2017.

SECMP0021 "Increase Other SEC Party representation for TABASC and SSC" Working Group meetings were held on 13th December 2016 and on 21st December 2016 to develop the proposed solution. The key discussion points at the Working Group covered the current arrangements in relation to the SSC and TABASC membership and initial feedback from the SSC, the TABASC, consideration of the SSC membership and the reasoning for adding Other SEC Parties to the membership. The discussions have reached a point that has enabled the necessary legal text and Working Group Consultation to be drafted, ready to be issued for consultation.

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3. Modification Proposal Progress

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

Mod	Title	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
SECMP02	Add New Command to Reset Debt Registers	Panel approved Refinement	Working Group refinement										DMR	CB	Decision							
			Solution	Solution	Solution					Consultation											
					PA	PA	PA	PA													
SECMP04	Add MSN data item in SMI	Panel approved Refinement	Working Group refinement								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	Working Group refinement										DMR	CB	Decision							
			Solution	Solution	Solution					Consultation											
					PA	PA	PA	PA													
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									
					PA	PA	PA	PA	PA	PA											
SECMP08	Provide a DCC Alert for Quarantined SRs	Panel approved Refinement	Working Group refinement								DMR	CB	Decision									
			Solution		Solution v1					Consultation	Consultation										
			PA	PA	IA	IA	IA	IA	IA												
SECMP09	Centralised Firmware Library	Panel approved Refinement	Working Group refinement													DMR	CB	Decision				
			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									
				PA	PA	PA	PA	PA	PA	PA											
SECMP11	Add MAP ID data item to the SMI		Panel approved Refinement	Working Group refinement											DMR	CB	Decision				
				Solution	Solution					Consultation											
					PA	PA	PA	PA	IA	IA											

[1] These dates may change following the Panel's agreement of the new timelines contained in the Modification and Release Management Thought Piece Update.

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Mod	Title	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
SECMP12	Add channel selection for Shared HAN solutions			Panel approved Refinement	Working Group refinement									DMR	CB	Decision						
					Solution	Solution	Solution	Solution	Solution	Solution		Consultation										
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	GPF timestamp for reading instantaneous Gas values				Panel approved Refinement / WG	Working Group refinement								DMR	CB	Decision						
						Solution	Solution	Solution	Solution		Consultation											
							PA	PA														
SECMP16	Consideration of "maximum credit" value in credit cover calculation				Panel approved Refinement	Working Group refinement					DMR / Early CB	CB / Early Decision	Decision									
						Solution	Solution		Consultation													
							IA	IA														
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												
									Consultation													
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													
SECMP23	Correct Units of Measure for Uncontrolled Gas Flow Rate								Panel approved Refinement	Working Group refinement	Working Group refinement			DMR	CB							
												Consultation										
SECMP24	Enduring Approach to								Working Group refinement		Working Group refinement			DMR	CB							

SEC — Smart Energy Code

Mod	Title	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
	Communication Hub Firmware Management								Panel approved Refinement						Consultation						
SECMP25	Electricity Network Party Access to Load Switching Information										Panel approved Refinement	Working Group Refinement							DMR	CB	Decision	
SECMP26	Changes to Security Sub-Committee Nomination Process											Panel Reviews IMR										
SECMP27	Amending Service Request Forecasting											Panel Reviews IMR										
SECMP28	Prioritising Service Requests											Panel Reviews IMR										
SECMP29	Business Continuity and Disaster Recovery Testing Amendments											Panel Reviews IMR										
SECMP30	Demand Management of DCC Systems											Panel Reviews IMR										

Key:

Original due date for PA/IA

Original Authority Decision deadline approved by Panel

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4. Release Contents

This section provides a summary of future releases and highlights modifications that are targeted for, or approved for, a scheduled 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 Release 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 Release 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**
BEIS-directed 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)

Mod Ref	Status	Potential Impacts	
		Docs	**Systems**
0004	Following an Authority approval in May, June 2018 would be the earliest point that these modifications could be implemented if approved	SMETS2, GBCS, DUIS	DCC
0008		DUIS, TADP	DCC
0011		DUIS	DCC

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Mod Ref	Status	Potential Impacts	
		Docs	Systems
0002	following completion of the Modification Process.	SMETS2, GBCS, DUIS, MMC	DCC
0005		SMETS2, GBCS, DUIS	DCC

November 2018 Release (29th November 2018)

Mod Ref	Status	Potential Impacts	
		Docs	Systems
0006		SMETS2, GBCS, CHTS,	SMS
0007		SMETS2, GBCS, CHTS,	DCC
0009		SEC	TBC
0010		CHIMSM, CHTS	DCC
0012	In light of the Panel's consideration of the content of the first few enduring releases, this may now be the earliest point that these modifications listed may be implemented, if approved, following completion of the Modification Process.	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
0023		SEC, DUIS, SMETS2	DCC, Users
0024		SEC, DUIS,	DCC, SMS
0025		SEC, DUIS, SMETS2	DCC, Users

Code Administrators' metrics: Quarter 4 (1st October to 31st December 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	5	
		Authority Consent – Urgent	0	
		Self-governance	5	
		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	1	
		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	1	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	2	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:		2	
Area: Consultation				
	Number of consultations which closed in the period for the 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 – Non-urgent	4	
		Authority Consent – Urgent	0	
		Self-governance	2	
		Fast-Track self-governance	0	

Metric No.	Description	Measurement area	Numbers
		Self-governance - Urgent	0
8	Number of consultations to **_non-urgent_** modification, which closed in the period, that had a consultation period of <u>less than 15 business days</u>	Authority Consent	1
		Self-governance	0
		Fast-track self-governance	0
9	Number of consultations to **_urgent_** 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		21
12	Number of times assistance was requested with access and engagement to code and the modification process in the period		2987
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	6
		Mean	11
		Median	10
		Maximum	14
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	15
		Mean	17
		Median	17
		Maximum	18
Area: Costs			
15	Number of modifications which had their final vote in the period, for which an estimation of the central system implementation costs <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
16	Number of modifications, implemented in the period, where the central system implementation costs were zero:		0

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Metric No.	Description	Measurement area	Numbers
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% ***MORE*** than the advised implementation cost	0
		Greater than or equal to 10% ***LESS*** than the advised implementation cost	0