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February 2023 SEC Release (23 February 2023)

SEC Release Implementation Document

Version 0.1

9 August 2022



Managed by



About this document

This document is a Smart Energy Code (SEC) Release Implementation Document (RID). It summarises the scope of the SEC Release, the impacts it will have, the timeline and testing strategy, the central costs that will be incurred, and the acceptance criteria for this release.

This document will be updated periodically as the release develops.

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1. Scope

Approved Modification Proposals

No modifications are approved for this release.

Targeted Modification Proposals

The following Modification Proposals will be included in this release if a decision to approve is received by the respective cut-off dates:

- [MP167 'Review of SEC documents'](#) proposes to set out a detailed framework (in list form) for the Data Communications Company (DCC)'s Testing Approach Documents (TADs) within SEC Section T. *Cut-off date for inclusion: 9 February 2023*
- [MP172 'Reduced CPA & CPL requirements for innovation and Device field trials'](#) proposes to allow Device Manufacturers to place limited numbers of Trial Devices on the live DCC network, subject to approval by the Security Sub-Committee (SSC), without obtaining Commercial Product Assurance (CPA) Certification for their Device Model. *Cut-off date for inclusion: 9 February 2023*
- [MP187 'Incorporation of Target Round Trip Times and Target Success Rates into the SEC'](#) proposes to enable the DCC to report on message Round Trip Times (RTTs) with target RTTs as opposed to Target Response Times (TRTs) through adding further definitions into SEC Section A and a clause pointing Parties to new targets that are likely to be kept outside of the SEC. *Cut-off date for inclusion: 9 February 2023*
- [MP198 'Further Changes from the Review of the SMKI and DCCKI Document Set'](#) proposes to update SEC Appendix L to align with the correct operational processes and order of steps for the Recovery of the Smart Metering Key Infrastructure (SMKI) Contingency. *Cut-off date for inclusion: 9 February 2023*
- [MP203 'Security Assurance of Device Triage Facilities'](#) proposes to take account of the need for regulatory assurance of Triage Facilities, Triage Tools and Triage Interfaces to provide security assurance across the end-to-end Smart Metering System (SMS). *Cut-off date for inclusion: 9 February 2023*
- [DP210 'RSA forecasts, orders and pay stock charges for Alt HAN Equipment'](#) proposes to allow Registered Supplier Agents (RSAs) to procure Alternative Home Area Network (Alt HAN) equipment and forecast delivery quantities. *Cut-off date for inclusion: 9 February 2023*

Further modifications that do not impact on DCC Systems may be added to the scope of this release at a later date.

DCC Change Requests

There are no DCC Change Requests planned to be implemented alongside this SEC Release.

2. Impacts

This section lists the impacts that the changes included in this release will have on participants and their systems, SEC documents and other industry codes. This section assumes all targeted modifications will be approved for inclusion in this release.

SEC Party and DCC impacts

Participant impact matrix					
Modification	Suppliers	Electricity Networks	Gas Networks	Other SEC Parties	DCC
MP167					✓
MP172	✓			✓	✓
MP187					✓
MP198	✓				✓
MP203	✓			✓	
DP210				✓	

The impacts on the different participants are summarised below. The business requirements for each Modification Proposal are annexed to the Modification Reports for each modification, which are available on the corresponding modifications' webpages.

SEC Party impacts	
Participant	Summary of impacts
All SEC Parties	<i>No additional impacts</i>
Supplier Parties	- Suppliers will be able to submit an increased number of records to the DCC for recovery of the SMKI Contingency. - Parties operating Triage Facilities will be required to be assessed as part of the assurance of that Facility.
Electricity Network Parties	<i>No additional impacts</i>
Gas Network Parties	<i>No additional impacts</i>
Other SEC Parties	- RSAs will be able to order and procure Alt HAN Equipment. - Parties operating Triage Facilities will be required to be assessed as part of the assurance of that Facility.

DCC impacts	
Area impacted	Summary of impacts
Operational	- The DCC will be required to pass on a monthly extract of the SMI to the SSC. - The DCC will be required to accept an increased number of SMKI Contingency records per file. - The DCC will be obligated to report against target RTTs as opposed to TRTs.

DCC impacts	
Area impacted	Summary of impacts
Testing	The DCC will need to provide TADs as required by the updated release criteria.

SEC document impacts

The following SEC documents will be updated in this release:

- Section A 'Definitions and Interpretation'
- Section D 'Modification Process'
- Section F 'Smart Metering System Requirements'
- Section G 'Security'
- Section H 'DCC Services'
- Section L 'Smart Metering Key Infrastructure'
- Section T 'Testing During Transition'
- Section Z 'Alt HAN Arrangements'
- Appendix L 'SMKI Recovery Procedure'
- Appendix Z 'CPL Requirements Document'
- Appendix AC 'Inventory, Enrolment and Withdrawal Procedures'
- Appendix AD 'DCC User Interface Specification'

Each of these documents is affected by the following modifications:

SEC document impact matrix						
Document	MP167	MP172	MP187	MP198	MP203	DP210
Section A	✓		✓			
Section D	✓					
Section F		✓				
Section G					✓	
Section H	✓					
Section L	✓					
Section T	✓					
Section Z						✓
Appendix L				✓		
Appendix Z		✓				
Appendix AC	✓					
Appendix AD	✓					

The document impacts for some modifications are provisional based on the current understanding of the solutions. Some solutions are still at early stages of assessment, and the impacts will be updated as these modifications evolve.

The approved changes to each document are annexed to the Modification Reports for each modification, which are available on the corresponding modifications' webpages.

Other code impacts

No other Codes are impacted as a result of this release.

3. Implementation timeline

This section lists the planned timeline for the implementation of this release.

Release implementation timetable		
Date	Event	Notes
16 Aug 2022	Change Sub-Committee (CSC) baselines RID	The CSC will review the RID and baseline the document.
Late Jan 2023 (date TBC)	DCC submits evidence against the operational acceptance criteria	
Early Feb 2023 (date TBC)	Operations Group reviews status against the operational acceptance criteria	The Operations Group will provide a recommendation to the CSC on whether the release should be implemented as planned. <i>Preliminary reviews of progress will be scheduled across preceding meetings.</i>
21 Feb 2023 (exp'd date)	CSC go/no-go decision	The CSC will review the status of the release against the acceptance criteria and will determine if the release should be implemented as planned.
23 Feb 2023	Release go-live	The changes are implemented.

4. Test strategy

This release will not impact the DCC Systems and so will not require any Pre-Integration Testing (PIT), Systems Integration Testing (SIT) or User Integration Testing (UIT).

There are no User testing impacts for this release.

5. Costs

This section summarises the costs that will be incurred by the DCC and the Smart Energy Code Administrator and Secretariat (SECAS) in implementing this release.

DCC costs

There are no DCC costs to implement this release.

SECAS costs

SECAS will incur two days effort, equating to around £1,200, to update and implement the changes to the SEC. SECAS estimates a maximum of five days of effort, equating to around £3,000, will be needed for project management of the release. This cost has already been accounted for in the SECAS budget, and so Parties will not incur any additional costs.

6. Acceptance criteria

The following criteria will need to be met before the release can go live.

Prior to go-live, the Operations Group will review the status of the release against these criteria. It will provide a recommendation to the CSC on whether to implement the release as planned. The CSC will review this recommendation and will determine then if the release should or shouldn't be implemented as planned.

Operational acceptance criteria

1. The DCC has brought to readiness all the new and changed components needed to provide the new services. This will include completing the service design and proving the service operations capability.
2. The DCC has demonstrated that all pre-existing services will be stable in the run-up to deployment of the release.
3. The DCC has proven that the new services can be operated alongside, and integrated with, the existing services.
4. The DCC has assessed the risk posed by existing problems and defects in the existing live service, and the implications these will have for the revised service.
5. The DCC has assessed and addressed the impact on Users arising from any issues, defects or workarounds within the new services.
6. The DCC has demonstrated that lessons learnt from previous SEC Releases and other DCC changes have been taken on board.
7. The DCC has demonstrated there will be no detrimental impact on consumers' experience.

8. The DCC has completed assurance of the Business Continuity and Disaster Recovery processes.
9. SECAS will be ready to implement the approved changes to the SEC on the agreed implementation date.
10. SECAS has brought to readiness all the new and changed components that it is responsible for that are needed to support the new services.

Appendix 1: Version control

Document history		
Version	Date	Changes
0.1	9 Aug 2022	First draft published.

Appendix 2: Glossary

This table lists all the acronyms used in this document and the full term they are an abbreviation for.

Glossary	
Acronym	Full term
Alt HAN	Alternative Home Area Network
CPA	Commercial Product Assurance
CSC	Change Sub-Committee
DCC	Data Communications Company
PIT	Pre-Integration Testing
RID	Release Implementation Document
RSA	Registered Supplier Agent
RTT	Round Trip Time
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
SIT	System Integration Testing
SMKI	Smart Metering Key Infrastructure
SMS	Smart Metering System
SSC	Security Sub-Committee
TAD	Testing Approach Document
TRT	Target Response Time
UIT	User Integration Testing