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June 2025 SEC Release (26 June 2025)

SEC Release Implementation Document

Version 4.0

17 June 2025



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.

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This document also has one annex:

- **Annex A** contains the Data Communication Company's (DCC's) SEC Release Testing Approach Document (TAD) for this Release.

1. Scope

Approved Modification Proposals

The following Modification Proposals have been approved for inclusion in this release:

- [MP239 'Enduring Solution for Resolving SMETS2 Device Certificate Misalignment Issue'](#) will allow Suppliers to identify the correct Device Certificates and update any misaligned Certificates on Devices via the Self-Service Interface (SSI) or Self-Service Management Interface (SSMI) instead of raising an Incident with the DCC for manual correction.
- [MP246 'DCC User access to metadata via the DCC Self-Service Interface'](#) will remove the Meter Read Transaction (MRT) function screen from the DCC SSI application. All code specific to this screen will be removed from the application. Removal will be more than simply preventing access to the screen by configuration of Role Based Access Controls (RBAC). Once removal has been completed, the MRT function would cease to exist.
- [MP271 'Sub-Committee seats for Other Users, Meter Data Retrievers and Registered Supplier Agents'](#) proposes to re-allocate one existing Other SEC Party seat at the Operations Group (OPSG), Technical Architecture & Business Architecture Sub-Committee (TABASC), Change Sub-Committee (CSC) and Change Board to an elected Other SEC Party who acts in the role of Other User, Meter Data Retriever (MDR) or Registered Supplier Agent (RSA).
- [MP279 'June 2025 SEC Release & DUIS Housekeeping Changes'](#) will correct the errors and inconsistencies identified in the SEC through implementation of text only changes.
- [MP282 'Removal of Registration Check for Suppliers using SR8.9 targeting SMETS2+ CHF'](#) will remove the Registration Check for Service Request (SR) 8.9 'Read Device Log' when Suppliers trigger this in a Communications Hub replacement scenario where SR8.12.1 'Restore HAN Device Log' has timed out. This would require a Data Service Provider (DSP) change that the DCC will implement via an internal Change Request. SEC changes are required to Appendix AB 'Service Request Processing Document' and Appendix AD 'DCC User Interface Specification' to ensure the DSP change is included in the SEC.

DCC Change Requests

Any DCC Change Requests planned to be implemented alongside this SEC Release will be listed here:

CR5220 'Implementation of a Traffic Management Gateway by Communication Service Provider (CSP) Central and South (C&S)'. This is the second part of the work that has been carried out on this matter.

Also as part of the June 2025 SEC Release, the DCC will be implementing a maintenance release change to support [MP282 'Removal of Registration Check for Suppliers using SR8.9 targeting SMETS2+ CHF'](#). This maintenance release change has been discussed with OPSG and the Testing Advisory Group (TAG). Both Sub-Committees were supportive of the change.

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
MP239	✓				✓
MP246	✓	✓		✓	✓
MP271				✓	
MP279					
MP282	✓				✓

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
Supplier Parties	(MP239) - Suppliers will be able to identify the correct Device Certificates and update any misaligned Certificates on Devices via the SSI or SSMI instead of raising an Incident with the DCC for manual correction (MP246) - Suppliers will no longer be able to access the MRT function within the DCC SSI (MP282) - Suppliers will be able to utilise SR 8.9 when replacing CHs, in the event that SR8.12.1 has timed out, avoiding a full Install and Commission (I&C)
Electricity Network Parties	(MP246) – Network Operators will no longer be able to access the MRT function within the DCC SSI
Other SEC Parties	(MP246) – Other SEC Parties that have access to the SSI will no longer be able to access the MRT function within the DCC SSI (MP271) – The representatives for the Other SEC Party category will change.
DCC	(MP239) – The DCC will no longer need to manually correct misaligned Certificates on Devices raised via an Incident (MP239) – The DCC will provide a new capability to deliver a report to DCC's Data Science and Analytics (DS&A) team which provides an agreed set of information for all the Certificates held in the DSP Key Management System database¹

¹ Which is a copy of the data held in the SMKI repository.

SEC Party impacts	
Participant	Summary of impacts
	(MP246) – The DCC will be required to remove the MRT function and associated code from the SSI (MP282) - The DCC will carry out a system change through the Small Change Request process, which will be implemented in the June 2025 DCC Maintenance Release, to coincide with the June 2025 SEC Release.

DCC System Impacts	
Area impacted	Summary of impacts
DCC Systems	(MP246) - The DCC will be required to remove the MRT function and associated code from the SSI. (MP282) - The DCC will carry out a system change through the Small Change Request process, which will be implemented in the June 2025 DCC Maintenance Release, to coincide with the June 2025 SEC Release.
Data Services Provider	(MP239) – The DCC will amend the Certificate Confirmation Scheme (CCS) so where there is uncertainty as to which Device Key Agreement (KA) Certificate is on a Device, then a retrieval will be attempted using each possible such Certificate until a response is received and the Certificate is identified (MP239) – The DCC enhance Service Audit Trail (SAT) logging to indicate the current stage of CCS processing. This revised functionality can be initiated through installation, Service Reference Variant (SRV) 6.15.2 timeout, SSI, and SSMI

SECAS impacts

SECAS will need to make the updates to the SEC to implement the modifications approved for this release.

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 I ‘Data Privacy’
- Appendix D ‘SMKI Registration Authority Policies and Procedures’
- Appendix Q ‘IKI Certificate Policy’
- Appendix R ‘Common Test Scenarios Document’

- Appendix AB 'Service Request Processing Document'
- Appendix AC 'Inventory Enrolment and Decommissioning Procedures'
- Appendix AD 'DCC User Interface Specification'
- Appendix AH 'Self Service Interface Access Control Specification'
- Appendix AJ 'SEC Variation Testing Approach Document'
- Appendix AS 'ECoS Transition and Migration Approach Document'

Each of these documents is affected by the following modifications:

Impacted Documents					
Document	MP239	MP246	MP271	MP279	MP282
Section A			✓	✓	
Section D			✓	✓	
Section F			✓	✓	
Section G				✓	
Section H		✓			
Section I		✓			
Appendix D				✓	
Appendix Q				✓	
Appendix R				✓	
Appendix AB					✓
Appendix AC	✓				
Appendix AD	✓			✓	✓
Appendix AH	✓	✓			
Appendix AJ				✓	
Appendix AS				✓	

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](#).

Technical documentation versions and validity

The following versions of each the Technical Specifications will be implemented in the June 2025 SEC Release:

Technical Specification impact matrix						
Tech Spec	Version	MP239	MP246	MP271	MP279	MP282
DUIS	5.4 (anticipated)	✓				✓

Currently, the DCC User Interface Specification (DUIS) is the only technical specification impacted by this release. It has been assumed that only a new Sub-Version will be introduced and not a new Principal Version. Once a decision on all the Technical Specification impacting modifications have been received, SECAS will confirm the final versions being introduced with the TABASC.

Other code impacts

No other Codes are impacted by this release.

3. Implementation timeline

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

This timeline includes dates for approval of the TAD, dates for when the System Integration Testing (SIT) and User Integration Testing (UIT) Test Phases are planned to commence and complete and key governance steps for the CSC and other Sub-Committees to complete.

Please note that dates for the submission and approval of the SIT Completion Report and the commencement and closure of the UIT window are provisional and may change nearer the time. These dates are based on the anticipated schedule for OPSG, TAG and CSC meetings and will be confirmed as the DCC prepares the TAD.

Release implementation timetable		
Date	Event	Notes
18 Jun 24	CSC baselines RID for system-impacting modifications	The CSC will review the RID for DCC System-impacting modifications (including modifications targeted but not approved) and baseline the document.
18 Sep 24	DCC submits draft SEC Release TAD	
25 Sep 24	TAG reviews draft SEC Release TAD	
Oct 24	DCC consults on draft SEC Release TAD	The DCC will consult the industry on the draft TAD.
20 Nov 24	DCC submits updated SEC Release TAD	The TAD will be updated to account for comments provided by the TAG and from the consultation.
27 Nov 24	TAG reviews updated SEC Release TAD	The TAG will provide a view to the CSC on whether this document is approved or rejected for use.

Release implementation timetable		
Date	Event	Notes
10 Dec 24	OPSG reviews the DCC's progress against the operational acceptance criteria	
17 Dec 24	CSC baselines RID for non-system-impacting modifications	The CSC will review the RID for non-DCC System-impacting modifications (including modifications targeted but not approved) and re-baseline the document to include these.
Jan 25	SIT commences	
11 Mar 25 OPSG Meeting	OPSG reviews the DCC's progress against the operational acceptance criteria	
8 Apr 25 OPSG Meeting	OPSG reviews the DCC's progress against the operational acceptance criteria	
May 25	DCC submits SIT Completion Report	
23 May 25 OPSG Meeting	OPSG reviews the DCC's progress against the operational acceptance criteria	
23 May 25	OPSG reviews status against the operational acceptance criteria	The OPSG will provide a recommendation on whether the release should be implemented as planned. The OPSG approved this release at the May 2025 meeting.
28 May 25 TAG Meeting	TAG reviews SIT Completion Report	The TAG will provide a recommendation on whether SIT has been completed successfully.
May 25	UIT commences	
17 Jun 25 CSC Meeting	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.
Jun 25	UIT window closes	
26 Jun 25	Release go-live	The changes are implemented.

4. Test strategy

This section covers the testing approach that will be taken by the DCC as part of the implementation of this release.

DCC's testing approach

The DCC's SEC Release TAD is detailed in Annex A of this document. This covers the DCC's approach to SIT.

User testing approach

The DCC's SEC Release TAD is detailed in Annex A of this document. This covers the DCC's approach to UIT.

Regression testing approach

The DCC's SEC Release TAD is detailed in Annex A of this document. This covers the DCC's approach to regression testing.

The DCC's SEC Release TAD was approved by the TAG in November 2024.

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

The total DCC implementation cost of this release will be £528,832.

The DCC has provided the following cost breakdown for each DCC System impacting modification in this release via the individual DCC Assessments:

Breakdown of DCC implementation costs					
Modification	Design, Build & PIT	SIT	UIT	Implement to live	Application Support
MP239	£339,178	£147,331		£5,649	£12,384
MP246	£23,096	£0	£0	£490	£704
MP271	N/A				
MP279	N/A				
MP282	N/A				
MP292	N/A				

No additional impact on operational costs have been identified.

The DCC will provide standalone costs for SIT, UIT and Implement to Live for each modification for inclusion in their Modification Reports as part of the Impact Assessment. Once the scope of the release is confirmed and the Preliminary Assessments for all candidate modifications are complete, the DCC will produce a combined Preliminary Assessment. This will provide a combined estimated cost for each of these stages when the modifications are delivered as a single package.

Currently it is assumed that Regression Testing will be carried out post approval of any modifications, with the DCC providing costings for this activity per Release to the CSC once understood, but prior to implementation.

SECAS costs

SECAS will incur three days effort, equating to around £1800, to update and implement the changes to the SEC. SECAS estimate a maximum of 20 days of effort, equating to around £12,000, 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 OPSG and the TAG will review the status of the release against these criteria. They will provide a recommendation to the CSC on whether to implement the release as planned. The CSC will review these recommendations 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.

Testing acceptance criteria

1. The DCC has developed the coding for each approved change and confirmed it will be able to deploy this to the production environment on the agreed implementation date.
2. The DCC has completed and closed each test phase against the agreed exit criteria specified in the TAD.
3. The DCC has successfully completed regression testing.
4. The DCC has allowed adequate opportunity as agreed by the TAG for Users to test the changes prior to deployment.
5. The DCC has confirmed that there are no Severity 1 or 2 defects outstanding that would be deployed to the live environment, including User-raised issues on the DCC System.
6. The DCC has produced a clear resolution plan for any outstanding Severity 3, 4 or 5 defects and that the number of remaining Testing Issues is within the agreed threshold figures specified in the TAD.
7. The DCC has demonstrated that the SIT and UIT environments were aligned to the solution being deployed to the production environment; if there were any differences, these were identified and the risks these posed demonstrably set, agreed and managed by the TAG.

Appendix 1: Version control

Document history		
Version	Date	Changes
0.1	11 Jun 24	First draft published.
1.0	18 Jun 24	Version baselined by the CSC.
2.0	5 Sep 24	Addition of MP271 to the scope of the Release.
3.0	10 Dec 24	Addition of MP085B and DP278 to the scope of the Release.
4.0	21 May 25	Removal of DP278 and MP283, and addition of MP279, MP282 and MP292 to the scope of the Release.
5.0	25 Jun 25	Removal of MP292 from the scope of the Release.

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
CCS	Certificate Confirmation Scheme

Glossary	
Acronym	Full term
CH	Communications Hub
CHF	Communications Hub Function
C&S	Central and South
CSC	Change Sub-Committee
CSP	Communication Service Provider
DCC	Data Communications Company
DBT	Design, Build and Test
DS&A	Data Science & Analytics
DSP	Data Service Provider
DUIS	DCC User Interface Specification
ECoS	Enduring Change of Supplier
I&C	Install and Commission
IKI	Infrastructure Key Infrastructure
KA	Key Agreement
MDR	Meter Data Retriever
MRT	Meter Read Transaction
OPSG	Operations Group
PIT	Pre-Integration Testing
RBAC	Role-Based Access Controls
RID	Release Implementation Document
RSA	Registered Supplier Agent
SAT	Service Audit Trail
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator & Secretariat
SIT	System Integration Testing
SMETS	Smart Metering Equipment Technical Specification
SMKI	Smart Metering Key Infrastructure
SR	Service Request
SRV	Service Reference Variant
SSI	Self-Service Interface
SSMI	Self-Service Management Interface
TABASC	Technical Architecture and Business Architecture Sub-Committee
TAD	Testing Approach Document
TAG	Testing Advisory Group
UIT	User Integration Testing