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# June 2020 SEC Release (25 June 2020)

## SEC Release Implementation Document Version 0.2

## About this document

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This document is the Smart Energy Code (SEC) Release Implementation Document (RID) for the June 2020 SEC Release, due to be implemented on 25 June 2020. It summarises the scope of the 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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This document also has one annex:

- **Annex A** will contain the Data Communication Company's (DCC's) SEC Release Testing Approach Document (TAD) for this release – this document will be produced by the DCC at a later date.

## 1. Scope

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### Approved Modification Proposals

No Modification Proposals have been approved for inclusion in 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:

- [SECMP0053 'Amend Target Response Times for Service Requests Critical to Installation and Commissioning Processes'](#) proposes to reduce the Target Response Times for time-critical Service Requests relating to the installation and commissioning process.
- [SECMP0062 'Northbound Application Traffic Management – Alert Storm Protection'](#) proposes to put in place a traffic management system for Alerts issued by Devices to protect the DCC System and Service Users against alert storms originating from a single Device. SECMP0062 is being implemented in two parts, with the first part of the solution, the mechanism for throttling Alerts, being implemented in this release. The second stage of the solution will be implemented in a later release and will cover the changes to allow Users to be notified of throttled Alerts via the metadata in the Alerts that are allowed through.
- [SECMP0067 'Service Request Traffic Management'](#) proposes to define a maximum system capacity and operating threshold for the DCC Systems and introduce appropriate Service User allocations whereby if Users exceed their allocation at the time the system is busy their Service Requests will become subject to throttling.

No further modifications that impact on DCC Systems are expected to be added. 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

A list of any DCC Change Requests being implemented alongside this SEC Release will be provided here.

## 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
SECMP0053	✓				✓
SECMP0062	✓	✓	✓	✓	✓
SECMP0067	✓	✓	✓	✓	✓

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	<ul style="list-style-type: none"> <li>Suppliers will receive a response to Service Requests 6.14.1 'Auxiliary Load Control', 6.14.2 'Auxiliary Load Control' and 7.9 'Add Auxiliary Load to Boost Button' within 30 seconds, rather than 24 hours.</li> <li>Suppliers may be subject to the throttling of Alerts from Devices that exceed defined thresholds.</li> </ul>
Electricity Network Parties	<ul style="list-style-type: none"> <li>Electricity Network Parties may be subject to the throttling of Alerts from Devices that exceed defined thresholds.</li> </ul>
Gas Network Parties	<ul style="list-style-type: none"> <li>Gas Network Parties may be subject to the throttling of Alerts from Devices that exceed defined thresholds.</li> </ul>
Other SEC Parties	<ul style="list-style-type: none"> <li>Parties may be subject to the throttling of Alerts from Devices that exceed defined thresholds.</li> </ul>

DCC impacts	
Area impacted	Summary of impacts
Communications Service Providers	<ul style="list-style-type: none"> <li>The Communications Service Providers will need to ensure that a response to Service Requests 6.14.1, 6.14.2 and 7.9 are received by the User within 30 seconds.</li> </ul>
Data Service Provider	<ul style="list-style-type: none"> <li>The Data Service Provider will throttle Alerts issued by Devices when the number of a specific Alert exceeds the set thresholds.</li> </ul>

## SEC document impacts

SEC document impact matrix			
Document	SECMP0053	SECMP0062	SECMP0067
Section A		✓	
Section H		✓	✓
Schedule 8			✓
Schedule 11			✓
Appendix E	✓		
Appendix AB		✓	✓
Appendix AH		✓	

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 SEC Release.

### 3. Implementation timeline

This section lists the provisional timeline for the implementation of this release. Please note that specific dates are still being determined; these will be added in before the RID is baselined by the Panel.

This timeline includes the dates on which decisions on modifications are anticipated, 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 Panel and the Testing Advisory Group (TAG) to complete.

Please note that dates for the submission and approval of the SIT and UIT Completion Reports 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 TAG and Panel meetings, but ad-hoc meetings may be required in order to sign these documents off. These dates and approaches will be confirmed as the DCC prepare the TAD.

Release implementation timetable		
Date	Event	Notes
11 Oct 19	Panel baselines RID for system-impacting modifications	The Panel will review the RID for DCC System-impacting modifications (including modifications targeted but not approved) and baseline the document.
23 Oct 19	DCC submit draft SEC Release TAD	
30 Oct 19	TAG review draft SEC Release TAD	
Early Nov 19	DCC consult on draft SEC Release TAD	The DCC will consult the industry on the draft TAD.
20 Nov 19	DCC submit updated SEC Release TAD	The TAD will be updated to account for comments provided by the TAG and from the consultation.
27 Nov 19	TAG review updated SEC Release TAD	The TAG will provide a view to the Panel on whether this document is suitable for use.
13 Dec 19	Panel review SEC Release TAD	The Panel will review the TAD and incorporate it into the RID.
02 Jan 20	SIT commences	
17 Jan 20	Panel baselines RID for non-system-impacting modifications	The Panel will review the RID for non-DCC System-impacting modifications (including modifications targeted but not approved) and re-baseline the document to include these.
Late Mar 19	DCC submit SIT Completion Report	
Late Mar 20	TAG review SIT Completion Report	The TAG will provide a recommendation to the Panel on whether SIT has been completed successfully.
Late Mar 20	Test Participants inform DCC of their regression testing plans	By 10 Working Days before UIT begins

Release implementation timetable		
Date	Event	Notes
Apr 20	Panel approve SIT Completion Report	
Apr 20	UIT commences	
Early May 20	Test Participants to provide regression testing results to DCC	By five Working Days before UIT completion
May 20	UIT window closes	
Late May 20	DCC submit UIT Completion Report	
Late May 20	TAG review UIT Completion Report	The TAG will provide a recommendation to the Panel on whether UIT has been completed successfully.
Early Jun 20	Operations Group review status against acceptance criteria	The Operations Group will review the status of the release and provide a recommendation on whether it should be implemented as planned.
Early Jun 20	Panel approve UIT Completion Report	
Early Jun 20	Panel go/no-go decision	The Panel will review the status of the release against the acceptance criteria and will determine if the release should be implemented as planned.
25 Jun 20	Release go-live	The changes are implemented.

## 4. Test strategy

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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 Testing Approach Document will be provided as Annex A to this document in due course. This will cover the DCC's approach to SIT.

### User testing approach

The DCC's SEC Release Testing Approach Document will be provided as Annex A to this document in due course. This will cover the DCC's approach to UIT.



## 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 costs of this release have not yet been determined.

The DCC have provided the following cost breakdown for each DCC System impacting modification in this release:

Breakdown of DCC implementation costs				
Modification	Design, Build & PIT	SIT	UIT	Implement to live
SECMP0053	<i>£235,000</i>	TBC	TBC	TBC
SECMP0062	£964,346	£96,995	£9,359	£17,692
SECMP0067	<i>£2,000,000 - £2,400,000</i>	TBC	TBC	TBC

No impact on operational costs have been identified.

Costs in italics are estimated costs provided in the Preliminary Assessments. Firm costs will be provided in the Impact Assessments.

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. Where possible, these combined costs will also be provided in the respective Modification Reports.

### SECAS costs

SECAS will incur two days effort, equating to around £1,200, 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

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

- The DCC have developed the coding for each approved change and confirmed they will be able to deploy this to the live environment on the agreed implementation date.
- The DCC have completed and closed each Test Phase against the agreed exit criteria.
- The DCC have confirmed that there are no Severity 1 or 2 defects outstanding that would be deployed to the live environment.
- The DCC have produced a clear resolution plan for any outstanding Severity 3, 4 or 5 defects and that the number of extant Testing Issues is within the agreed threshold figures.
- The DCC have demonstrated that the SIT and UIT test environments were aligned to the solution being deployed to production; if there were any differences, these were identified and the risks these posed demonstrably managed.
- The DCC have demonstrated that they are ready to operate the new or updated capabilities.
- SECAS will be ready to implement the approved changes to the SEC on the agreed implementation date.

The Panel will review the status of the release against these criteria at their meeting one month before go-live, and will determine then if the release should or shouldn't be implemented as planned.

## Appendix 1: Version control

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Document history		
Version	Date	Changes
0.1	09 May 19	First draft issued to the Technical Architecture and Business Architecture Sub-Committee (TABASC), the Operations Group and SEC Parties for comment.
0.2	12 Sep 19	Updated draft issued to the TABASC, the Operations Group and SEC Parties for comment.

## 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
DCC	Data Communication Company
PIT	Pre-Integration Testing
RID	Release Implementation Document
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
SIT	System Integration Testing
TABASC	Technical Architecture and Business Architecture Sub-Committee
TAD	Testing Approach Document
TAG	Testing Advisory Group
UIT	User Integration Testing



## Smart Energy Code

### **Smart Energy Code Administrator and Secretariat (SECAS)**

8 Fenchurch Place, London, EC3M 4AJ

020 7090 7755

[sec.change@gemserv.com](mailto:sec.change@gemserv.com)