

# MP090 ‘Incorporating Non GBCS Non Mandated Alerts into the SEC’

## Annex A

### Business requirements – version 1.3

#### About this document

This document contains the business requirements for this Modification Proposal. It provides detailed information on the business requirements for the Proposed Solution agreed by the Proposer, with input from the Data Communications Company (DCC) and Sub-Committees. It also provides the considerations and assumptions for each business requirement with respect to this Modification Proposal.

#### 1. Business requirements

This section contains the functional business requirements. Based on these requirements a full solution will be developed.

Business Requirements	
Ref.	Requirement
1	Incorporation of Non Great Britain Companion Specification (GBCS) Non Mandated (NGNM) Alerts, included, into GBCS (non DCC).
2	DCC to make consequential changes to Parse and Correlate.

Table 1 below shows the NGNM Alerts Register held on the SEC website (<https://smartenergycodecompany.co.uk/the-developing-sec/>). Subject to review additional NGNM Alerts may be added to the Register and shall also be covered by this Modification Proposal. The final list of NGNM Alerts targeted for inclusion in GBCS will be established at the time the Final Assessment is carried out by the DCC. Table 1 will be updated accordingly.

Event / Alert Code	Event / Alert Code Name	Trigger conditions
0x81C7	Over Current Level 2	Current over 120% of the I <sub>max</sub> rating for more than 20 minutes
0x81C8	Over Current Level 2 L1	Current over 120% of the I <sub>max</sub> rating for more than 20 minutes in phase L1
0x81C9	Over Current Level 2 L2	Current over 120% of the I <sub>max</sub> rating for more than 20 minutes in phase L2
0x81CA	Over Current Level 2 L3	Current over 120% of the I <sub>max</sub> rating for more than 20 minutes in phase L3
0x81CB	Bridged terminals	Bridged terminals are detected
0x81CC	Ultrasonic A flag start	A flag present
0x81CD	Ultrasonic A flag stop	A flag cleared
0x81CE	Ultrasonic B flag start	B flag present
0x81CF	Ultrasonic B flag stop	B flag cleared
0x81D0	Ultrasonic C flag start	C flag present
0x81D1	Ultrasonic C flag stop	C flag cleared
0x81D2	Battery 3% Alert	Battery very low alert (3%)

Table 1 List of current Non GBCS Non-Mandated Alerts

## 2. Considerations and assumptions

This section contains the considerations and assumptions for each business requirement.

### 2.1 General

These Alerts are already in use, being sent from Devices to DCC Users, and are sent in GBCS format.

### 2.2 Requirement 1: Incorporation of Non-GBCS Non Mandated Alerts, included, into GBCS (non DCC)

The list of Non GBCS Non Mandated Alerts should be incorporated into table 16.2 of GBCS. These Alerts are already in a GBCS compliant format.

### 2.3 Requirement 2: DCC to make consequential changes to Parse and Correlate

Consequential changes will need to be made to Parse and Correlate software to allow DCC Users to receive identification information about the Alerts. This requirement is to ensure that the Alert is immediately identifiable by the DCC User as to what it means, not just the Alert Code. This Requirement is not to make the Alerts configurable.

## 3. Solution option

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Following the responses to the July 2020 Refinement Consultation, where the DCC provided three solution options to facilitate the incorporation into the Smart Energy Code (SEC), the Proposer agreed that the Proposed Solution should be to incorporate the Alerts into GBCS, implementing supporting technical changes (P&C), but not make the Alerts configurable.

## 4. Glossary

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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 Communications Company
GBCS	Great Britain Companion Specification (SEC Schedule 8)
NGNM Alerts	Non GBCS Non Mandated Alerts
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat