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Action:	**For Decision**

Non-GBCS-Non-Mandated Alert code management

1. Purpose

This paper provides the Technical Architecture and Business Architecture Sub-Committee (TABASC) with an overview of the proposed process for adding Non-GBCS-Non-Mandated Alerts to GBCS. The TABASC is requested to AGREE the process for adding Non GBCS Non Mandated Alerts to the 'Non GBCS Non Mandated Alerts Register'.

2. Background on Non-GBCS-Non-Mandated Alerts

Device Alerts are unsolicited messages sent by Devices to DCC Users e.g. the Supplier. GBCS defines the structure of the Alerts and contains a listing of Alerts, distinguishing between mandated and non-mandated Alerts (see GBCS section 16.2).

Additional Alerts can be defined e.g. by manufacturers for use in Devices. The DCC Parse software allows any new non-mandated alerts of the right format (as specified by GBCS) sent by Devices to be passed to the DCC User.

These new non-mandated Alerts need to be agreed and are captured temporarily in the 'Non GBCS Non Mandated Alerts Register' on the SEC website until they are included in the SEC and listed in GBCS. They are referred to as Non GBCS Non Mandated (NGNM) Alerts.

Suppliers and manufacturers have a general (but non regulatory) responsibility to ensure all Alerts supported by their Devices beyond those specified in the SEC are captured in the 'Non GBCS Non Mandated Alerts Register' until they are adopted into the SEC.

This ensures all parties have a complete and clear view of the alerts a Device may support together with a common code and definition of those alerts enabling all users to understand the meaning, severity and behaviour of the alert and the associated processing their Back-Office systems may need to support.

3. Current NGNM Listing

The 'Non GBCS Non Mandated Alerts Register' is available on the SEC website at: https://smartenergycodecompany.co.uk/the-developing-sec/.

4. Form for raising new NGNM Alert Codes

The form to raise new NGNM Alerts is available on the SEC website at: https://smartenergycodecompany.co.uk/the-developing-sec/.

5. NGNM Alert process overview

Figure 1 below shows the process flow for adding new NGNM Alerts; the individual steps are explained in subsequent sections.

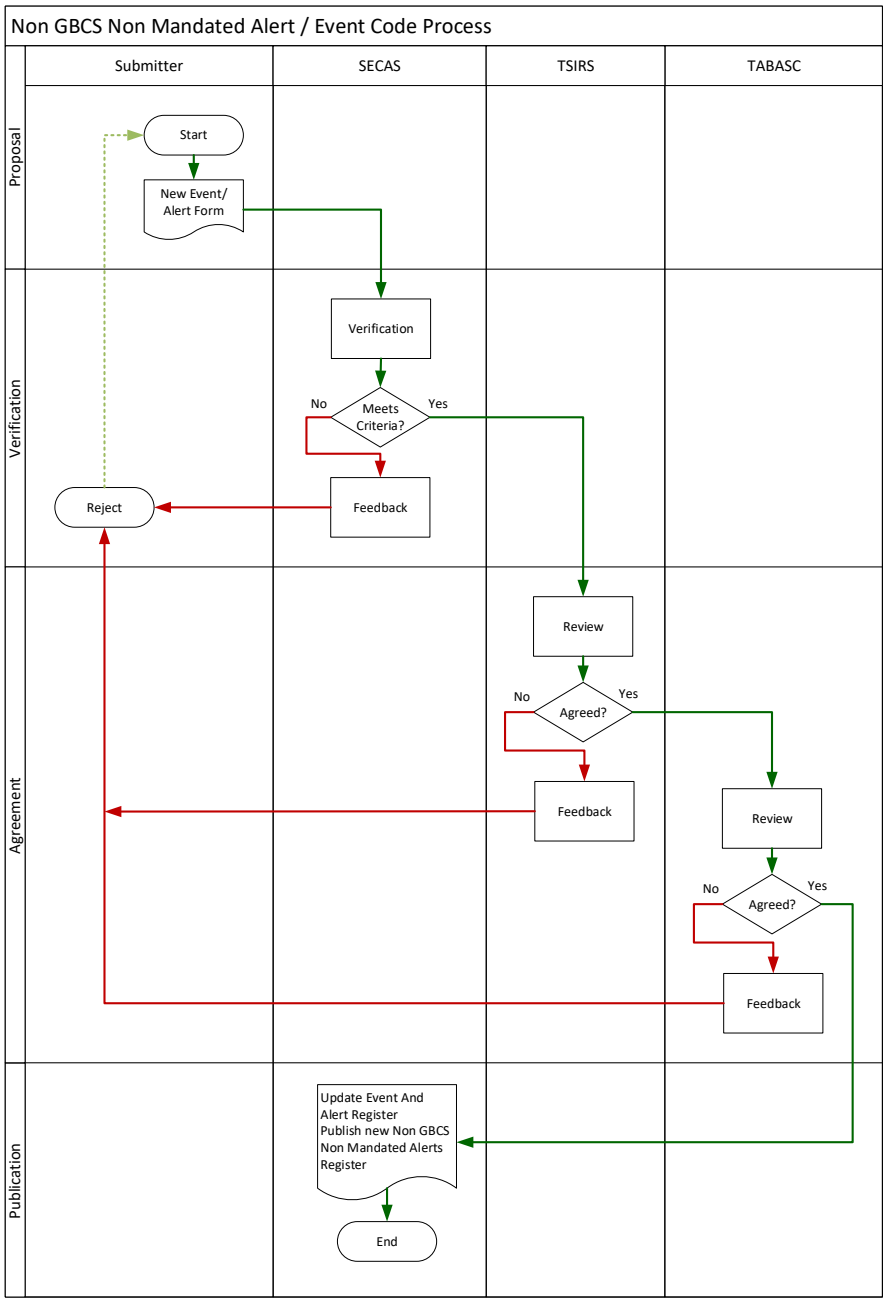

Figure 1 – NGNM Alert Process Flow

6. NGNM Alert proposal

SEC Parties or other parties (e.g. Device manufacturers) can submit proposals for new Alerts. Only non-critical type 1 Alerts and Events can be added via this route; any other change to Events / Alerts will require a SEC modification.

When submitting a new NGNM Alert proposal the submitter:

- must confirm that the proposed new Alert or Event does not exist in GBCS Table 16.2 in a form that is compatible with a GBCS alert type 1 construction, as set out in sections 16.1.1 and 7.2.3 of the GBCS;
- must confirm that the proposed new event or alert does not exist in the 'Non GBCS Non Mandated Alerts Register' on the SEC Website;
- download the form for raising new NGNM Alert Codes (see Section 4);
- fill in the details for the new NGNM Alert and include an explanation why the existing GBCS alerts are not sufficient
- must state in the NGNM proposal form whether the new alert
    - can be configured by the Network Operator;
    - can be configured by the Supplier;
    - or whether it is not possible to configure the Alert; and
- send the NGNM Alert proposal form to SECAS using email address (SECAS@gemserv.com).

7. Alert proposal verification by SECAS

When a new Alert proposal has been received, SECAS must:

- verify that the proposed new Alert or Event does not exist in GBCS Table 16.2 in a form that is compatible with a GBCS alert type 1 construction, as set out in sections 16.1.1 and 7.2.3 of the GBCS; and
- verify that the proposed new Alert or Event does not exist in the 'Non GBCS Non Mandated Alerts Register' on the SEC Website.

Upon successful verification, SECAS presents the Alert to the TABASC for approval (see Section 9).

In cases where the verification has been unsuccessful, the proposal is rejected and SECAS informs the submitter, stating the reason for the rejection.

8. Alert proposal review by TSIRS

The new Alert Code proposal will be presented by SECAS to TSIRS at a regular meeting for industry review.

If TSIRS agrees with the Alert proposal, then SECAS passes the Alert proposal to TABASC for final agreement.

If the NGNM Alert proposal is rejected, SECAS informs the submitter, stating the reason for the rejection.

9. Agreement of new Alert by TABASC

The new NGNM Alert proposal is presented by SECAS to the TABASC at a regular meeting with the aim to get the Alert agreed.

If the TABASC has agreed the Alert then SECAS assigns an Alert Code (see Section 10) and informs the submitter of the proposal.

If the NGNM Alert proposal is rejected, SECAS informs the submitter, stating the reason for the rejection.

10. Assigning new Alert Code and publishing

After the TABASC has agreed a new NGNM Alert, SECAS assigns a new Alert Code. The new Alert and the Alert Code are added to the 'Non GBCS Non Mandated Alerts Register' and published on the SEC website at: https://smartenergycodecompany.co.uk/the-developing-sec/.

Depending on the configurability of the Alert the new Alert Code will be set accordingly:

- Configurable by the Network Operator (the Alert Code begins with 0x80);
- Configurable by the Supplier (the Alert Code begins with 0x81);
- No configuration possible (the Alert Code begins with 0x8F).

SECAS will communicate the new Alert Code to the submitter.

11. Removal of Alerts

This process does not cover the removal of existing GBCS Alerts; this requires a SEC Modification.

12. Adding NGNM Alerts to GBCS

The Alerts contained in the 'Non GBCS Non Mandated Alerts Register' are expected to be incorporated into GBCS which requires a SEC Modification.

All entries in the 'Non GBCS Non Mandated Alerts Register' will be marked with the GBCS release version where the Alerts have been added to GBCS Table 16.2.

13. Recommendations

The TABASC is requested to **AGREE** the process for adding Non GBCS Non Mandated Alerts to the 'Non GBCS Non Mandated Alerts Register'.

Rainer Lischetzki

SECAS Team

10 October 2019