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MP078 'Incorporation of multiple Issue Resolution Proposals into the SEC - Part 2'

Annex A

Business requirements – version 0.2

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 needed for each Issue Resolution Proposal (IRP) contained within MP078 that the DCC have indicated could be DCC System impacting. Based on these requirements a full solution will be developed.

Business Requirements	
Ref.	**Requirement**
1	DCC System changes for IRP550 ‘GCS20r - Response when an error occurs’
2	DCC System changes for IRP603 ‘Security Log display over HAN’
3	DCC System changed for IRP604 ‘Query on IRP550 – Frame Control'

2. Considerations and assumptions

2.1 General

This section contains the considerations and assumptions for each business requirement. These are excerpts from each of the IRPs and it is expected that the DCC will develop solution(s) to the consequential changes these IRPs will have on the DCC Systems. The document text changes are contained within each of the IRPs.

2.2 Requirement 1: DCC System changes for IRP550 'GCS20r - Response when an error occurs'

Errors cannot be signalled via the ZSE Report Event Configuration command which is currently required as the only option in the GCS20r Response. However, errors could occur in Device processing and so the GCS20r Response needs to allow for such situations.

In common with other Use Cases where this situation applies, the proposed change is to allow the GCS20r Response to contain a ZigBee Default Response (as an Alternate Response) to signal any failures.

2.3 Requirement 2: DCC System changes for IRP603 'Security Log display over HAN'

SMETS / GBCS require that:

- the GPF, CHF, GSME and ESME Security Logs can be read by remote parties (and so with access controlled by the DCC);
- the GSME provides changes to its Security Log to the GPF, so that the GPF can maintain a copy of the GSME's Security Log. This copy can be read by remote parties; and
- both the GSME and ESME make their Security Logs available on the user interface (e.g. the meter display) 'following physical access through the Secure Perimeter'.

The design intention was that these would be the only ways to access Security Logs, so the Logs should not be made available to HAN devices (e.g. PPMIDs, IHDs or CADs), by either the CH or the ESME (GSME do not communicate with HAN Devices, except for the CH).

Further, GSME and ESME should not make Security Logs available on the User Interface, unless there has been 'physical access through the Secure Perimeter'.

However, there are no explicit prohibitions currently for:

- sharing Security Logs with HAN devices; or
- only displaying security logs without access through the Secure Perimeter.

The proposed position is to amend SMETS (for ESME and GSME) and CHTS (for CH) to add explicit prohibitions.

2.4 Requirement 3: DCC System changes for IRP604 'Query on IRP550 – Frame Control'

IRP604 has been identified as a GBCS text only change and will be implemented in SECMP0078, applying text changes on top of those implemented by IRP550. IRP604 can only be implemented at the same time, or following the implementation of IRP550.

3. Glossary

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

Glossary	
Acronym	**Full term**
ALCS	Auxiliary Load Control Switch
CAD	Consumer Access Device
CH	Communications Hub
CHTS	CH Technical Specifications
DCC	Data Communications Company
ESME	Electronic Smart Metering Equipment
GBCS	Great Britain Companion Specifications
GPF	Gas Proxy Function
GSME	Gas Smart Metering Equipment
HAN	Home Area Network
HCALCS	Han Connected Auxiliary Load Control Switch
IHD	In-Home Display
IRP	Issue Resolution Proposal
PPMID	Pre-Payment Meter Interface Device
SECAS	Smart Energy Code Administrators and Secretariat
SMETS	Smart Metering Equipment Technical Specifications