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Paper Reference:	**TABASC_65_0605_09**
Action:	**For Discussion**

DP158 Initial feedback

1. Purpose

This paper provides a summary of DP158. A copy of the Modification Report is linked to this paper.

We seek any comments the Technical Architecture and Business Architecture Sub-Committee (TABASC) may have on this proposal at this stage in the framework.

2. DP158

This is a new Draft Proposal. It was taken to the Change Sub Committee (CSC) on 30 March 2021 for initial comment and will remain in Development Stage to work on the issue. We invite any views from the TABASC on the issue identified in this proposal, the impacts this may be having and any areas the Proposer may need to consider further. If you require any additional information on this Draft Proposal, the Modification Report of the Draft Proposal can be found on the respective proposal's webpage via the below hyperlink.

DP158 'Incorporation of multiple Issue resolution proposals into the SEC – Batch 5'

DP158 was raised by David Walsh on behalf of the Data Communications Company (DCC). The Lead Analyst is Khaleda Hussain.

Issue Resolution Proposals (IRPs) identify and resolve issues in the Technical Specification documents of the Smart Energy Code (SEC). The 17 IRPs contained in this Draft Proposal have been confirmed as non DCC system impacting, nor will they require DCC system testing. These IRPs require text only changes to the Great British Companion Specification (GBCS) and the Smart Metering Equipment Technical Specifications (SMETS) to add consistency within the Technical Specification. If approved this Draft Proposal will be targeted for the next Technical Specification Release which is November 2021. SECAS will investigate and present any IRPs in this Draft Proposal which demonstrates a Security concern to the Security Sub Committee (SSC) for feedback accordingly.

IRPs included in DP156	
IRP Number	**Summary of the issue**
IRP610	Inconsistency in the elements which are included in the Electricity Smart Metering Equipment (ESME) within the GBCS. The twin element meter section within the ESME is missing a

IRPs included in DP156	
IRP Number	**Summary of the issue**
	measuring element which needs to be included so the consumption of energy is measured accurately.
IRP615	Discrepancy in the command used to capture the value of weekly, daily, and hourly energy consumption between the GBCS and the Great Britain Zigbee (GBZ).
IRP619	Currently the Wide Area Network (WAN) and Home Area Network (HAN) latency can cause a Device to not receive a General Block Transfer (GBT) message sequentially.
IRP621	Currently, an ESME and a Gas Smart Metering Equipment (GSME) receiving a message from the Pre-Payment Interface Device (PPMID) is missing an instruction to follow when authentication checks which are performed on the message fail.
IRP622	Currently, there is no clarification in the SMETS that GBCS Alert 0x8F33 'Supply Disabled then Armed - Load Limit triggered' is required to be generated and sent.
IRP623	Clarification is required regarding whether the 'control HAN connected Auxiliary Load Control Switch (ALCS)' command, issued from the ESME to an ALCS or a HAN Connected Auxiliary Load Control Switches (HCALCS), has an associated entry in the ALCS Event Log for both calendar driven events and remote party commands.
IRP624	Currently, there are Two terms (Common Name term and Supplier Name term) which are missing from the GBCS glossary.
IRP625	This IRP aims to mandate that, after processing a Top-Up command, the GSME needs only to send details of that Top-Up to the Gas Proxy Function (GPF) and does not need to send details of the latest five Top-Ups.
IRP626	Currently, there is an incorrect reference in the GBCS. The IRP aims to correct the 'keyUsage' field of references of the Trust Anchor Cell to be used during a specific mode of credential replacement on the Device.
IRP627	This is the same issue as IRP 622.
IRP628	Currently, in the GBCS the flag mandated against each entry in the Unique Transaction Reference Number (UTRN) Counter Cache does not enable or serve any mandated external behaviour.
IRP629	There are various points requiring corrections and clarifications which have been identified since baselining GBCS v4.0 Draft 2 and SMETS2 v5.0 Draft 3.
IRP631	The Device Language Message Specification (DLMS) Device Requirements (for ESME) which are contained in GBCS v4.0 are not reflected in GBCS v3.x. This IRP aims to incorporate the changes in DLMS Device Requirements (for ESME) that have been baselined on GBCS v4.0 into GBCS v3.x.
IRP632	There are various typographical changes (concerning Auxiliary Controller related scripts) in the GBCS v4.0 Draft 2 which require correcting.
IRP633	A requirement specified as applying to the Communications Hub Function (CHF) Security Log in the DLMS Device Requirements applies generally to all Companion Specification for Energy Metering (COSEM) based security logs.
IRP635	There is a typographical error which requires clarifying. This IRP will clarify that the expected response to an error in a' Join Device' command is a 'Join Device' response, and not an 'Issue Security Credentials' response.
IRP618	Currently, the Publish Calendar ZigBee message is on an aggregate Energy Service Interface (EGI) which cannot apply message content to the individual endpoints of a Twin Element meter.

The Technical Specification Issue Resolution Sub-Group (TSIRS) has requested these be progressed as a Modification Proposal for implementation into the SEC. Implementation of these IRPs will ensure Devices operate as they are intended.

Recommendations

The TABASC is requested to:

- **DISCUSS** the proposal in this paper; and
- **PROVIDE** any views or comments.

Khaleda Hussain

SECAS Team

29 April 2021