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SECMP0005 ‘Include Tariff and Register Labels in SMETS2 Devices’

16th May 2016

Meeting 2 Minutes

Attendees:

Working Group 1 Members	Organisation
Mark Pitchford (SECMP0002 and SECMP0007 Proposer)	Npower
Graham Smith (SECMP0003 Proposer)	Western Power Distribution
Sam Charlton (SECMP0005 Proposer Representative)	EON
Emslie Law (SECMP0006 Proposer)	SSE
Alan Bowman	Chameleon Technology
Andy Knowles (part)	Utilita Energy (teleconference)
Chris Spence	EDF Energy
Marc Bowden	In Home Displays
Paul Riisenberg	In Home Displays
Tim Boyle	Chameleon Technology

Representing	Other attendees
DECC	James Goldsack (part)
	Relve Spread
DCC	Stuart Scott
SECAS	Jill Ashby (Chair)
	Kevin Atkin (Technical Support)
	Urszula Thorpe (Technical Support)
	David Barber (Modifications Lead)
	Sebastian Rattansen (Modifications Support)

Representing	Other attendees
	Adam Lattimore (Modifications Support (part))
	Sasha Townsend (Meeting Secretary)

1. SECMP0005 – Include Tariff and Register Labels in SMETS2 Devices

Actions update

SECAS provided the WG with updates on the outstanding actions from the first WG1 meeting and the initial feedback provided by the TSC during their meeting on the 21st April. It was highlighted that the TSC's interest is driven by the impact on demand and traffic through the DCC.

A WG member expressed their concern about supporting the Modification Proposal. The Chair emphasised that the WG decide the detail of the proposal and Suppliers' views in response to the Consultation will be recognised in the Final Modification Report (FMR). The Change Board then makes a decision/recommendation having taken into account the views provided.

SECAS noted there are currently two Master Registration Agreement Change Proposals (MRACP); DTC CP3491 and DTC CP3491a ¹that may relate to SECMP0005. The WG decided that while there are subtle links, however they are not a major concern for the Modification Proposal, because they relate to data flows and not what is specified in the device.

WG review of solution design document

SECAS presented the solution design document to the WG.

SECAS highlighted that the 'Publish Price' command shares the Active Tariff Price with the in-Home Display (IHD) and Pre-Payment Meter Input Device (PPMID) and this can be used to share the related label. However, the same mechanism cannot be used for Gas Smart Metering Equipment (GSME), and the Great Britain Companion Specifications (GBCS) "Tapping off Mechanism" is needed to make a copy. This means that when replacing a gas meter, the Communication Hub (CH) will also need replacing as new messages will not be copied.

The WG also discussed the solution design documents, as set out below in Table 3:

Solution design documents and Design Note	WG View
The WG discussed the issues surrounding churning and labels. SECAS pointed out that when the Supplier sends a new tariff they will also need to send a command to set the label, otherwise this could cause misleading information to the consumer.	It was proposed that the alternative would be to clear all labels when a new tariff is set using the current designed Set Tariff/Price Use Cases as an 'Empty String'. It was noted that this will be complex for a Twin Element Electricity Smart Metering Equipment (ESME), as the second element tariff would not be cleared if the command was only sent to clear the first tariff. This means a separate Service Request (SR)

¹ DTC CP 3491 'Conventions for Meter Register Ids on smart meters' and DTC CP 3491a 'Conventions for Meter Register Ids on smart meters (Alternate)'

Solution design documents and Design Note	WG View
	will be required and the solution design document will be amended to reflect that. The WG questioned whether the current designed set will need amending. SECAS informed the WG that it will remain the same and that the updates will need to be implemented via firmware updates to the device. It was agreed that SECAS will update the solution design document to convey that both the new and old commands can be used on the updated device. The latter command will clear the labels.
Clarification is required from the DCC on the processing of responses by Parse and Correlate, specifically the treatment of the 'price label' parameter in Publish Price. The Message Template states this is variable but has a note saying it is unused and set to 0. If DCC expect 0x00 only, additional changed GSME behaviour or a new Use Case will be needed.	The DCC advised they expect a variable but this can change. They confirmed another Use Case for P&C is needed. The DCC advised that they would confirm this after the meeting.
It was highlighted that the new Use Cases will result in additional 'Future Dated Execution of Instruction Alerts' being generated by GSME/ESME. These do not need specification in GBCS as the existing specification covers how they must be constructed. DCC were asked to confirm system impacts.	DCC noted that the system counts alerts so there will be impacts and this may change the payload format. This will be considered in the Impact Assessment.
The WG were asked to confirm that there is no requirement for ESME or GSME to display tariff or price labels.	The WG confirmed the Modification Proposal proposes labels to be displayed on IHD and Prepayment Meter Input Devices (PPMID) only.
The DCC asked if there are any issues surrounding the incompatibility when mirroring GSME information with HAN Devices.	SECAS advised that the CH will need to be at the same or higher version of Communication Hub Technical Specification (CHTS) as the installed GSME.

Table 3: SECMP0005 solution design documents review

Next steps

It was highlighted that it has been assumed that the new Use Cases would be subject to packet inspection and would fall within the scope of threshold anomaly detection, but this will need to be raised with the Security Sub-Committee (SSC). It was noted that SECAS have an outstanding action to do this and the updated solution design document will be presented to SSC.

SECAS advised that they will make changes to the solution design document. The DCC confirmed they will be able to start the Preliminary Assessment once they have received and reviewed the updated solution design document from SECAS. It was also highlighted that the updates will be sent to British Electrotechnical and Allied Manufacturers Association (BEAMA) and Energy and Utilities Alliance (EUA) for comment.

ACTION WG1_02_09: SECAS to update solution design document and send to DCC to carry out the Preliminary Assessment.

ACTION WG1_02_10: SECAS to send updated solution design document to BEAMA and EUA for comment.