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SECMP0003 ‘Deficiencies in the Service Request for setting Maximum Demand Configurable Time’

4th April 2016

Meeting 1 Minutes

Attendees:

Working Group 1 Members	Organisation
Mark Pitchford (SECMP0002 and SECMP0007 Proposer)	Npower
Alan Creighton (SECMP0003 Proposer Representative)	Northern Powergrid
Sam Charlton (SECMP0005 Proposer Representative)	EON
Emslie Law (SECMP0006 Proposer)	SSE
Chris Spence	EDF Energy
Gavin Brown (part)	Chameleon Technology (teleconference)
Louise Porter (part)	Utilita Energy (teleconference)
Tim Boyle	Chameleon Technology

Representing	Other attendees
DECC	Relve Spread
DCC	Stuart Scott
	Adam Pearce (part)
SECAS	Jill Ashby (Chair)
	Kevin Atkin (Technical Support)
	Ian Swanson (Technical Support)
	David Barber (Modifications Lead)
	Sebastian Rattansen (Meeting Secretary)
	Sasha Townsend (Modifications Analyst (part))

Representing	Other attendees
	Keith Phakoe (Modifications Analyst (part))

Apologies:

Working Group 1 Members	Organisation
Graham Smith (SECMP0003 Proposer)	Western Power Distribution
Tim Newton (SECMP0005 Proposer)	EON

1. SECMP0003 – Deficiencies in the SR for setting Maximum Demand Configurable Time

1.1 Overview

The Proposer's representative presented a brief overview of the Modification Proposal. It was highlighted that improvements to the Service Request (SR) to make it a singular SR to set the Maximum Demand Configurable Time Period with a consolidated set of commands.

The current design of SR 6.18.1 means that, to obtain weekday maximum demand values, the Electricity Network Operator must send two SRs per week for a roughly 17-week period to achieve the desired result. Using a single SR rather than multiple SRs would greatly reduce the likely volumes of the SRs to achieve the same end, thus freeing up bandwidth.

1.2 WG consideration of Modification Proposal

The WG discussed the outline requirements for SECMP0003, as set out below in Table 2:

Refinement	WG View
Amending Smart Metering Equipment Technical Specification (SMETS) and Great Britain Companion Specification (GBCS)	SMETS and GBCS will need to be amended: SMETS – The required change to the wording describing the Maximum Demand Configurable Time Period is as follows: <i>A single time period of up to 24 hours <u>for specified days of the week within a specified date range</u> comprising a number of half-hour periods (commencing at the start of minutes 00 and 30 in each hour) during which recording to the Maximum Demand (Configurable Time) Active Energy Import Value is active.</i> GBCS – It was clarified that the Use Case (ECS37) does not currently support the implementation of the proposed single, consolidated SR. and that two new GBCS Use Cases will need to be created.

Refinement	WG View
The DCC asked what specific functionality is required by the User	SECMP0003 notes that, typically, the Maximum Demand period of interest to Electricity Networks would be between the hours of 4.00pm and 8.00pm on any Monday to Friday between 1st November and 28th February. The proposer confirmed the functional requirement is for one SR per year to specify the date range, time range and days of the week, during which the Maximum Demand Configurable Time Period Value should be recorded. The SR will need to include: • Start Date • End Date • Start Time • End Time • Day numbers to be turned on
The DCC queried whether the new SR would need to be compatible with existing devices (i.e. meters installed before this Mod is implemented)	The intent is that the new SR would only be available on new devices that are certified to the updated version of SMETS and GBCS.
The DCC asked whether Users need them to continue supporting the current SR (6.18.1)	The new SR will also support the existing designed method, meaning the current SR would not need to be supported.
The DCC questioned whether there are any expected firmware update impacts	The Mod would be prospective and therefore updates may not be mandated firmware upgrades. The WG also noted that a question should be raised to British Electrotechnical and Allied Manufacturers Association (BEAMA) for early views on any implications for Electricity Smart Metering Equipment (ESME).

Table 2: SECMP0003 outline requirements

1.3 Future Considerations/Impacts

The Proposer's representative highlighted that introducing the change sooner would ensure that the benefit of the change would be realised earlier and more ESMEs would be able to accept the proposed new SR so that the enduring benefit would be greater. It was noted that the network benefits from Maximum Demand data would build up over time, perhaps reaching a key point when 75% of SMETS2 meters are installed in a particular geographic area.

A WG member questioned the costs involved versus benefits. The Chair highlighted that the costs of implementing the Modification Proposal will be identified as it progresses further through the Refinement Process and the benefits metric highlighted in the Modification Proposal for traffic

management (e.g. 30 million messages sent spread over a 30-day period once a year rather than 60 million sent every weekend from November to February) would be a factor.

1.4 Decisions and next steps

The DCC informed the WG that they will not be able to complete a Preliminary Assessment until the technical drafting of the new Use Cases is available. It was also noted that the drafting may have to be presented to the TSC to get views and input on the proposed changes.

Progress on SECMP0003 matters will be brought to the next WG meeting.

ACTION WG1_01_05: SECAS technical support to draft the necessary changes to support the two new GBCS Use Cases.

ACTION WG1_01_06: SECAS to advise the TSC of the Modification Proposal.

ACTION WG1_01_07: SECAS to raise a question with BEAMA regarding the implications for ESM