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MP152 ‘Consumption on Smart Polyphase Electricity Meters’

September 2022 Working Group – meeting summary

Attendees

Attendee	Organisation
Ali Beard	SECAS
Anik Abdullah	SECAS
Kev Duddy	SECAS
Joey Manners	SECAS
Bradley Baker	SECAS
Elizabeth Woods	SECAS
Ben Giblin	SECAS
Fiona Bond	SECAS
Rainer Lischetzki	SECAS
James Hosen	SECAS
David Walsh	DCC
Tom Rothery	DCC
Chris Thompson	DCC
Mark Pitchford	DCC
Patricia Massey	BEAMA
Julie Brown	British Gas
Emma Johnson	British Gas
Beth Davey	Calvin Capital
Martin Bell	EUA
Kevin McIntyre	Geo
Alastair Cobb	Landis+Gyr
Mark Powell	Macquarie
Ralph Baxter	Octopus Energy
Audrey Smith-Keary	OVO Energy
Mafs Rahman	Scottish Power
Michael Snowden	Secure Meters
Lorna Clarke	SMDA
Tom Wooley	SMS PLC
Matt Alexander	SSE Networks
Shuba Khatun	SSE Networks
Robert Johnstone	Utilita
Karen Jacks	Vantage Meters

Attendee	Organisation
Luke Brady	Vantage Meters
Kelly Kinsman	WPD

Overview

The Smart Energy Code Administrator and Secretariat (SECAS) provided an overview of the issue identified, the solution and the updated business requirements.

Issue

DCC Users are currently unable to retrieve consumption information from individual phases of polyphase metering equipment. This proposal seeks to enable this function on polyphase meters. Some polyphase meters support the measurement of consumption data on each phase. However, the SEC does not currently support functionality that allows this individual phase data to be retrieved. The current arrangements severely limit the opportunity to provide support to consumers about energy efficiency which they could do if consumption figures were available at a more granular level.

Business Requirements

1. 'To allow DCC Users to interrogate polyphase metering equipment at each phase' – Any solution proposed must include the ability for DCC Users to have access to the polyphase metering equipment for the purpose of analysing data from each phase of the meter. The data will include consumption for half hourly data and debt per phase.
2. 'To allow consumers to obtain consumption data across meter phases' – Any solution proposed must allow consumers the ability to view phase data from the smart meter equipment installed within their premises. The data will include consumption data per phase and debt per phase.
3. 'To allow Suppliers the opportunity of smart tariffs with the ability to read phase data' – Any solution proposed must allow Suppliers the opportunity to offer consumers the ability to read phase data from their smart metering equipment.

Working Group Discussion

SECAS (BG) presented the modification, highlighting the issue and updated business requirements.

SECAS (AA) questioned how consumption per phase would be settled by Suppliers and if a separate MPAN for each phase would be required. In addition, they noted that if the ESME continued to send information in one message that Suppliers would be unable to determine which usage was coming from each phase.

SECAS (MF) clarified a section of the Modification Report regarding what the Proposer is doing outside the scope of this modification. An explanation was provided that the Proposer is looking for a WAN solution through this modification. However, the Proposer is designing a HAN-only solution within their own business to be used as proof of concept.

PM noted BEIS have an open consultation about dynamic use tariffs and the interoperability of smart energy appliances. The consultation closes on 28/09/2022 and can be viewed [here](#).

Several Working Group members queried the business requirements for this modification. KM queried what debt per phase information was and why this was important to this modification. BG agreed to take this back to the Proposer and provide an update in due course. Another Working Group member then questioned why only consumption data and debt per phase was being requested. KM suggested if consumption data was being taken from the meter that other useful information such as voltage should also be sent back to the Supplier upon request.

Next Steps

The following actions were recorded from the meeting:

- The business requirements need to be discussed with the Proposer in more detail before this modification can come back to the Working Group.