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## MP184 'Increase Smart Capability of SMETS2 Twin Element ESME to support Solar and Storage use'

### January 2022 Working Group – meeting summary

#### Attendees

Attendee	Organisation
Ali Beard	SECAS
Joe Hehir	SECAS
Mike Fenn	SECAS
Joey Manners	SECAS
Rainer Lischetzki	SECAS
Tom Mudryk	SECAS
Oliver Bridges	DCC
Emma Johnson	British Gas
Lynne Hargrave	Calvin Capital
Julie Geary	E.ON
Alex Hurcombe	EDF Energy
Daniel Davis	ESG Global
Terry Jefferson	EUA
Clive Hallam	Hildebrand
Jane Wilson	Hildebrand
Peter Hoare	Kaifa Metering
Mafs Rahman	Scottish Power
Ralph Baxtor	Octopus Energy
Audrey Smith-Keary	OVO Energy
Emslie Law	OVO Energy
Tom Woolley	SMS Plc
Mark Hamilton	SMS Plc
Matthew Alexander	SSEN
Gemma Slaney	WPD

#### Overview

The Smart Energy Code Administrator and Secretariat (SECAS) provided an overview of the modification so far, the proposed solution, business requirements and the proposed next steps.

## Issue

- Twin element ESME measures and records the energy imported and exported on the primary measuring element.
- The secondary measuring element is not mandated to record export active energy consumption.
- To support greater energy and energy efficiency and cost saving the Proposer would like to offer products and services that require export registers on the secondary element.
- This would enable the Smart Energy industry to support innovative products and services for management of battery storage and solar solutions

## Proposed Solution

- The proposed solution is to enhance the current UK SMETS specification to maximise the number of potential applications, by supporting the additional data.

## Business Requirements

1. Active Export kWh register on the secondary element.
2. Four TOU to support Active Export kWh on the secondary element.
3. An additional load profile channel specifically for the Active Export kWh on the secondary element.
4. An Export MPAN on the secondary element.
5. Export data to be made available on the HAN so that IHD and PPMID manufacturers can also benefit and provide data to the consumer.

## Working Group Discussion

SECAS (KH) provided an overview of the meeting objectives, the issue, the proposed Solution, and the business requirements. The Working Group noted the issue and provided no further comments.

A member of the Working Group (EL) queried if there was a separate stream of work or cross-code links with this proposal. SECAS advised it is aware of the potential cross-code implications and this will be highlighted to the respective groups accordingly as and when the modification progresses. The Working Group members expressed the challenges which will be faced with this proposal including having two separate meters and potentially changes and impacts to the Enduring Change of Supplier (ECoS) database. Other Working Group members (MR and LH) queried why the modification was needed and why the same outcome could not be achieved with two meters in light of the challenges involved. The Proposer advised the modification would offer efficiency to use one meter than using two meters. The Proposer offered to share the results of the trials conducted to support the benefit.

The Working Group members agreed with the proposal but highlighted there would need to be a significant change to the industry and it would be beneficial to see if there is an appetite for it from the wider industry. SECAS (JM) highlighted along with SMETS changes there will also be significant impact to DUIS which will also have a timescale and cost associated with the change. A DCC member (TS) supported this by highlighting there will be DCC cost associated. Another Working

Group member (RB) advised there needs to be an underlying use case and further investigation is required to identify the benefits. The Proposer suggested that they may approach the Department of Business, Energy and Industrial Strategy (BEIS) to understand how this would work with the existing system and the scale of changes that might be needed. The Working Group concluded that it would be beneficial to build the business case and build a group of momentum to support the change. SECAS agreed to discuss offline with the Proposer.

## Next Steps

The following actions were recorded from the meeting:

- SECAS to discuss next steps with the Proposer.