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## MP102A 'Power Outage Alerts triggered by an OTA firmware upgrade'

### May 2020 Working Group – meeting summary

#### Attendees

Working Group Member	Organisation
Eric Taylor	SLS
Paul Fitzgerald	SSE
Paul Saker	EDF
Gemma Slaney	WPD
Elias Hanna	Landis + Gyr
John Noad	Npower
Emslie Law	SSE
Matthew Alexander	SSEN
Mafs Rahman	Scottish Power
Francesca Barrick	Ofgem
Patrick Caiger-Smith	Geo
Sven Hoffmann	WPD
Bob Hopkins	SSEN
Richard Colwill	DCUSA
Remi Oluwabamise	DCC
David Walsh	DCC
Mari Toda	DCC

#### Overview

SECAS provided an overview of the issue identified by MP102 and the division of the solution, resulting in [MP102A 'Power Outage Alerts triggered by an OTA firmware upgrade'](#) and [MP102B 'Power Outage Alerts triggered by an OTA firmware upgrade – enduring solution'](#):

- Firmware updates are causing meters to reboot cutting the power to Communications Hubs (CHs) for more than three minutes which results in a Power Outage Alert (POA)
- There is no governance regarding the duration of the meter cutting the power supply to the CH via the Intimate Communications Hub Interface Specification (ICHIS)
- Network Parties have no means of identifying or suppressing erroneous POAs
- MP102A – Technical Specifications document change for meter Manufacturers to abide by

Managed by



- MP102B – an enduring solution for the meter that are currently installed

The business requirements and subsequent legal text changes were also discussed:

- Under no circumstances should an Over the Air (OTA) firmware update to the Electricity Smart Metering Equipment (ESME) or Communications Hub (CH) result in a Power Outage Alert (AD1 Alert) being sent to a Network Operator

## Discussions held

The Working Group understood the issue and agreed with the division for the two solutions. The DCC clarified that this is due to the anticipated lengthy lead time of an enduring solution (undertaken in MP102B), and not due to the scale of the issue as was detailed in the slides.

SECAS presented the business requirements to the Working Group. The members agreed the requirements outlined the proposed solution. SECAS informed the Working Group that the requirements had received input from two Network Parties. A Working Group member commented that the issue this modification aims to address has been largely rectified by meter Manufacturers. Another Working Group member responded that this modification would safeguard against the possibility that a new meter Manufacturer producing Electricity Smart Metering Equipment (ESME) which cuts the power to the CH for more than three minutes in the case of an Over the Air (OTA) firmware update.

SECAS presented the legal text to the Working Group and explained that amendments will be made to four sections in the Smart Metering Equipment Technical Specifications (SMETS) to ensure the modification applies to single phase, twin element single phase, poly-phase ESME as well as Gas Smart Metering Equipment (GSME). Concerns were raised that in some situations the POA is generated due to the combined times of the meter and CH reboot. The Proposer wanted to ensure that the legal text accounted for this. SECAS will now work with the Proposer to further develop the legal text ahead of issuing the Refinement Consultation.

## Next Steps

The following actions were recorded from the meeting:

- The Proposer and SECAS will collaborate to produce more explicit legal text.
- SECAS to issue Refinement Consultation.