

■ MP293 'Deferment of DCC Planned Maintenance during Adverse Weather'

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Objectives of the SSC

REVIEW

The Modification & Proposed Solution

DISCUSS

Feedback on the Modification

■ MP293: Overview

- The DCC periodically undertakes Planned Maintenance, during which Smart Metering Systems (SMS) cannot be communicated with.
- During adverse weather, Network Parties communicate with SMSs to check whether they have power.
- Where these two events coincide, Network Parties cannot remotely confirm the status of their portfolio via SMS comms.

Issue



- Network Parties must expend additional resources to confirm supply status in person without remote confirmation.
- Network Party operatives deployed into sites affected by storms also face additional risk.
- Where the DCC defer a Planned Maintenance, system impacts may arise and other Planned Maintenances may be affected

Impact



- SECAS to explore two solutions:
 1. “Deferral”: Codification of a mechanism by which a Planned Maintenance will be deferred when it is concurrent with an adverse weather event.
 2. “Enhanced Availability”: The DCC will make a limited number of SRVs/Alerts available to Network Parties during a Planned Maintenance

Potential Solution



■ MP293: “ENHANCED AVAILABILITY”

Solution Overview

- The Proposer has identified two SRV/Alerts that they would like to remain available during a Planned Maintenance:
 - SRV 7.4 – ‘Read Supply Status’
 - Alert AD1 – ‘Power Outage Event’
- The DCC will deliver this Solution via system changes:
 - Solution considerations in respect of the DCC’s Business Requirements are set out in the paper.

Implementation

- The Proposer has asked SECAS & the DCC to consider implementation into DSP1 & DSP2 - A number of challenges have been identified:
 - Cost
 - Lead time: Modification must be approved by Nov 26 at the latest.
 - Are TABASC members aware of any other considerations?
- The DCC have identified that DSP2 will have less downtime than DSP1 – Cost-Benefit questions arise relating to perceived benefit in respect of DSP2.

■ Business Requirements (1/2)

Ref	Requirement
1	Using the Enhanced Availability service, Users shall be able to send the following on demand SRV and receive appropriate responses: 7.4, Read Supply Status
2	Using the Enhanced Availability service, Users shall be able to receive this alert: AD1, Power Outage Alerts
3	The Enhanced Availability service must be available for SMETS2 and SMETS1 Devices.
4	Users will access the Enhanced Availability service via the DCC Gateway Network, and no additional User connectivity will be required
5	Users will send Service Requests and receive Alerts and Responses in accordance with the existing DCC User Interface Specification (DUIS)
6	All security and message signing will be in accordance with the existing DUIS

Business Requirements (2/2)

Ref	Requirement
7	When a Major incident, planned maintenance, or BCDR impacts the Enhanced Availability service specifically it will not be available.
8	Both the DCC Total System and Enhanced Availability service will not be taken down at the same time for Maintenance or BCDR Tests.
9	The Enhanced Availability system shall have at least 99.5% availability.
10	The Enhanced Availability service must: • Have the capacity to handle at least 1,400,000 SRV7.4 plus corresponding Responses; ○ Alternatively, this may be expressed as an average maximum hourly volume. • Have the capacity to handle at least 400,000 AD1 Alerts per day; ○ Alternatively, this may be expressed as an average maximum hourly volume. • Ensure processing as close as possible to the existing standard DCC Total System functionality in terms of logging and messages; and • Target Response Times will be maintained

■ Questions for the OPSG

Does the TABASC see any issues arising from the implementation of this Modification?

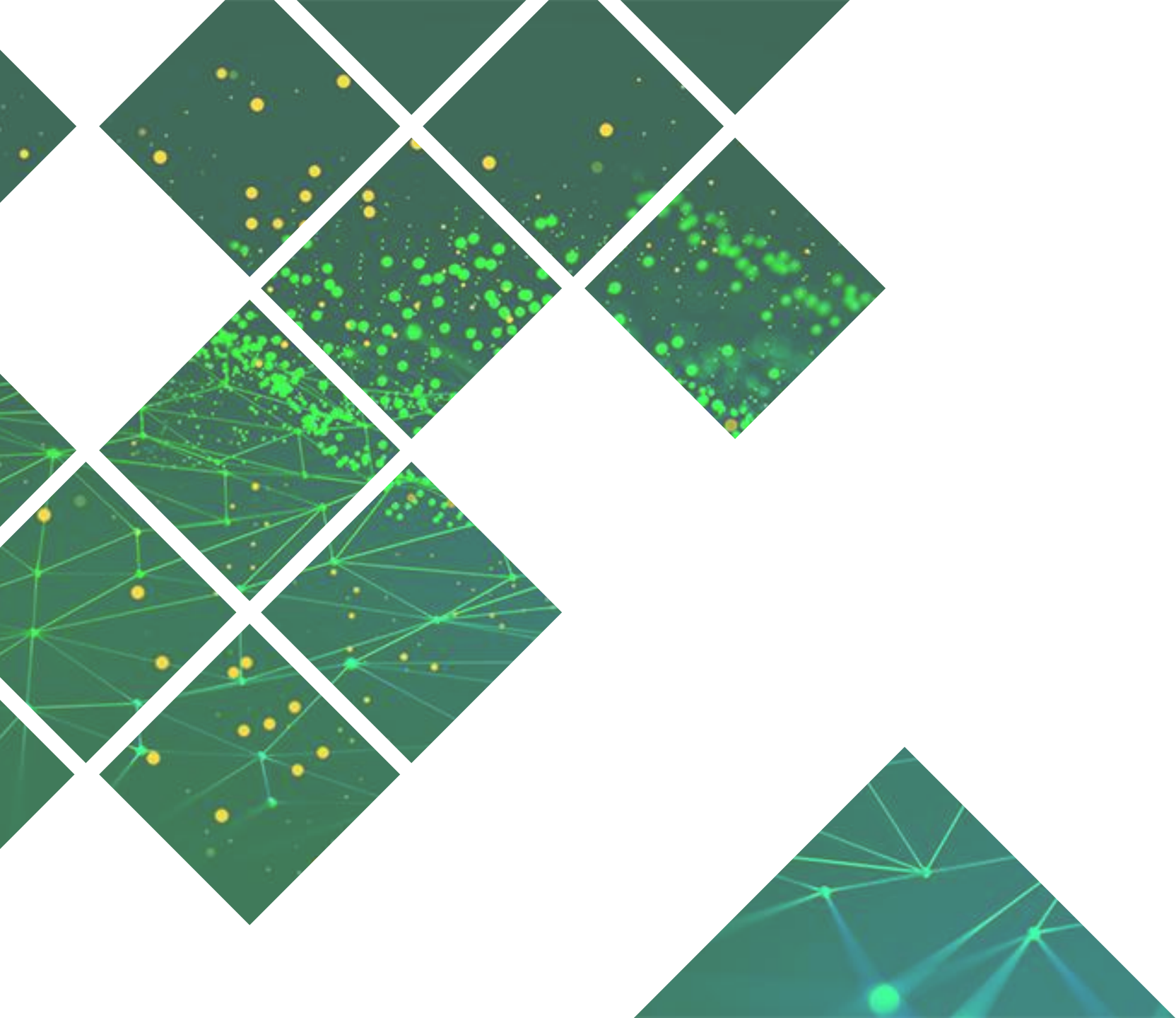


Does the TABASC have any views on the Proposed Solution?



Does the TABASC have any views on the impact of the Proposed Solution?





Thank you for listening

Any questions?