

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

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■ Objectives of the OPSG

REVIEW

The Proposed Solution & DCC Preliminary Impact Assessment

DISCUSS

Provide feedback on the Proposed Solution & DCC Preliminary Impact Assessment

■ 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



- “Enhanced Availability”: The DCC will make a limited number of SRVs/Alerts available to Network Parties during a system outage.
- Parties will be able to use these SRVs/Alerts even when the DCC system is down.
- The solution will cover: DCC Planned Maintenance, DCC Unplanned Maintenance, BCDR Testing

Potential Solution



■ MP293 Solution

Solution Option 1

- Proposer's original request.
- SRV 7.4 & Alert AD1
- The “Must” solution as per the Business Requirements

Solution Option 2

- Raised by Working Group as an alternative solution.
- In addition to SRV 7.4 & Alert AD1:
 - SRV 2.2
 - SRV 4.3
 - Alert N56
- The “Must & Should” as per the Business Requirements

Scope

The Proposer asked the SEC Change Team & the DCC to explore delivering the proposed solution into both As Is DSP (DSP1) and Future DSP (DSP2).

Implementation

The Proposer would like the SEC Change Team to work towards a November 26 release into As Is DSP in order to get as much value from the proposed solution as possible prior to Future DSP go-live.

DCC Preliminary Impact Assessment: As Is DSP & CSP Costs

Action	Downtime (Hours)				Cost	
	SMETS1		SMETS2			
	SRVs	Alerts	SRVs	Alerts	Min	Max
Current Arrangements	<6	n/A	<6	<6	£0.00	£0.00
As Is DSP, delivery of:	0-2	n/A	0-2	0-2		
“Must” Requirements					£610,000	£820,000
“Must & Should” Requirements					£680,000	£900,000
SMETS2 CSPs	0-2	n/A	0*	0-2	£400,000	£450,000
SMETS 2 (4G Comms Hubs), AD1						
Alert Only	0-2	n/A	0*	0*	£900,000	£1,100,000
SMETS1 Service Providers (IOC, MOC, FOC, DCO)	0*	n/A	0*	0*	£2,500,000	£4,000,000
As Is DSP Running Costs (2 Years)					£600,000	£600,000

*including a negligible amount of non-zero downtime

■ DCC Preliminary Impact Assessment: Costs

Points of Interest

- Cost to achieve zero downtime for all SRVs and Alerts in scope on SMETS2 SMSs:
 - “Must”: £2.51M-£2.57M (incl. As Is DSP running costs)
 - “Must & Should”: £2.58M - £3.05M (incl. As Is DSP running costs)
- Minimal cost difference between solution options: “DCC recommends consideration of the Must and Should requirement”.
- Additional cost to achieve zero downtime for SRVs only on SMETS1 SMS for both solution options: £2.5M-£4M.

Points of Interest

- Future DSP is expected to have a service measure of 99.99% uptime.
- However, costs were given should the Proposer wish to explore an increase in Future DSP uptime up to a higher value of 99.999%:
- Rough Order of Magnitude cost: £2-£3 million

Points of Interest

- Lead time for delivery of the “core” solution into As Is DSP where SRV/Alert downtime is reduced to 0-2 hours:
 - 3-6 Months for Design, Built & Pre-Integration Testing
 - No User Integration Testing required, minimal System Integration Testing
- Lead time for delivery of the SMETS2 AD1 functionality to reduce downtime from 0-2 hours to 0 hours:
 - 18 months
- Lead time for delivery into CSP is not yet quantified but reported to take up to 6 month.
- This means that delivery of the total solution would be phased, with completion of one phase of work within 3-6 months, the next within 6 months, and the last within 18 months.

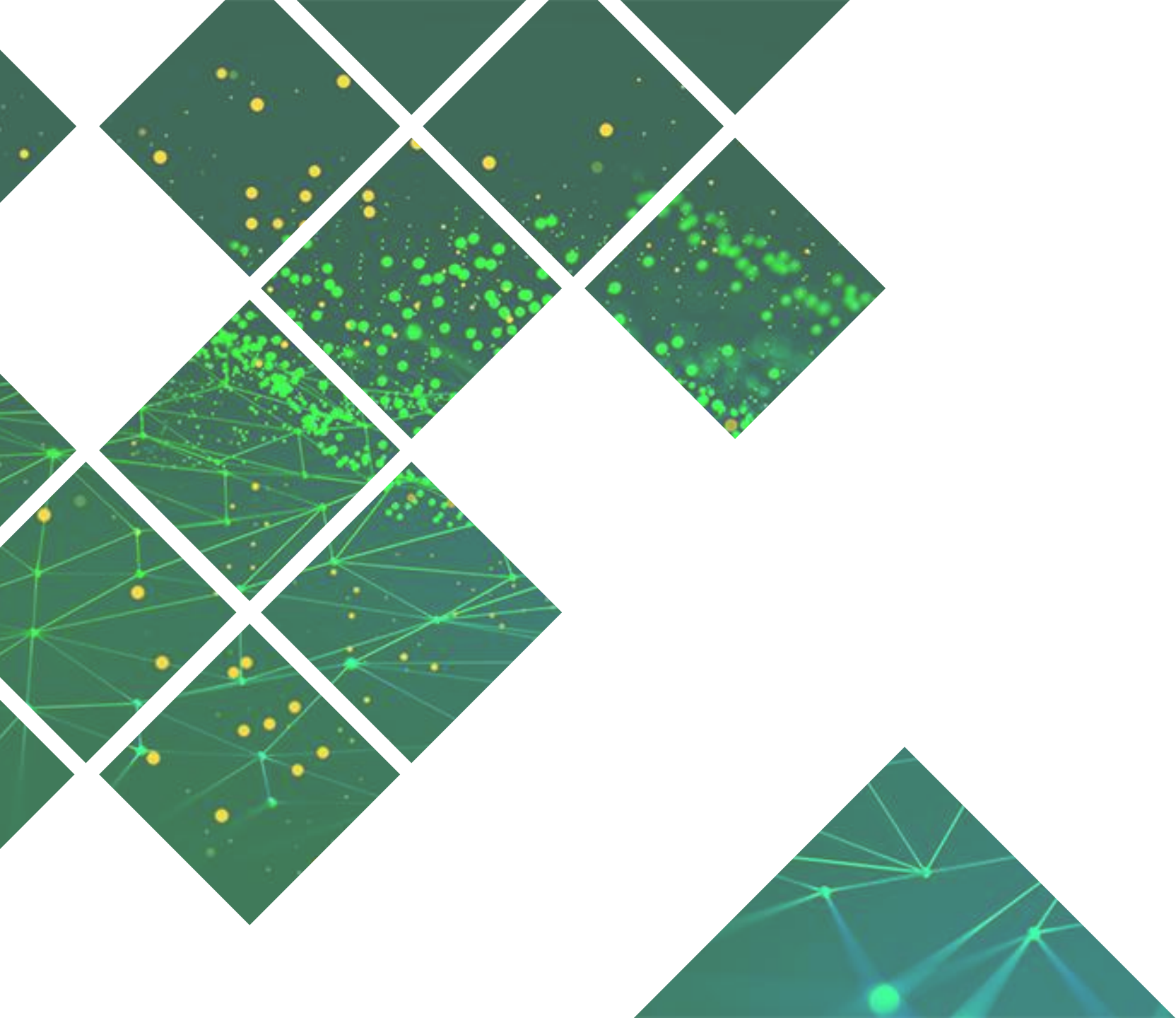
■ Questions for the OPSG

Is the solution operationally appropriate?



Any further feedback or considerations on this proposal?





Thank you for listening

Any questions?