Update to EDL Reason Codes

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Background

Constraint Management Pathfinder

- The ESO are procuring Constraint Management services to alleviate costs managing constraints at certain boundaries.

- This initially focuses on the B6 boundary (Anglo – Scottish border) though will look at other constraint boundaries in future.

- The service will connect contracted generators to the intertripping scheme which is managed by SPT.

- Once connected, units will be armed in periods of high boundary flows – reducing need to take Bids in the BM.

- Arming/Disarming instructions are issued verbally to SPT with verbal/written notification sent to the generator.

- In the event of a fault, e.g. circuit trip, the generator would automatically be tripped by the scheme.

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What are we proposing?

- Use EDL reason codes to notify generators when their units have been armed/disarmed.

ITA – Intertrip Armed (send when the unit is armed by the tripping scheme)

ITD – Intertrip Disarmed (send when the unit is disarmed by the tripping scheme)

- These would be issued automatically once confirmation is received from the TOs that the scheme has been armed/disarmed.

Documents to update

- The below Technical Standards of the Grid Code will need updating:

EDL Instruction Interface – Valid Reason Codes - add new codes to the list in section 2

BETTA - Despatch Instruction Guide - a new section 4.5.2 will be added to outline of why the reason codes would be issued

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Why change?

- As the constraint service expands around the country, there will be an increase in the number of units contracted and circuits to monitor

- This will increase the manual workload for the ESO control room as well as for generators.

- Automating the process will reduce the burden for all parties

When we expect these changes to be in place

- We currently have 4 live units and expect to have a further 8 live from October 2023.

- Our aim is to have these new reason codes in place by October 2023 and will keep the contracted parties informed of progress.

- We are speaking to our IT team to see if the necessary system changes could be made sooner.

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