Electricity System Restoration Standard Implementation – Technology and Locational diversity Working Group - Terms of Reference

**Members**
- Chair: NGESO to provide
- Tech Secs: NGESO to provide

**Standing Members:**
- NGESO
- NGET
- SPEN-T
- SSEN-T
- SSEN-D
- SPEN-D
- UKPN
- WPD
- ENW
- NPG

**By invitation:**
- Wind Rep
- Solar Rep
- Synch Gen Rep
- Interconnectors

**Cadence** – Fortnightly full meeting, with interim lighter touch meeting (without the project updates). Scheduled to align with key points in projects.

**Duration** – 2 hours

**Location** – Teams Meeting (for now)

**Submissions** due and pre-read – slides/papers with clear confirmation of input/decisions needed 5 Business Days prior. Papers are to be read ahead of the meeting.

**Minutes** – to be taken and circulated with the Action/Decision Log

**Quorum** – All Standing members to attend. Deputies can attend with full decision-making authority delegated.

### Logistics
- Identify current and future challenges for restoration services from synchronous, non-synchronous and top-up services
- Specify the minimum service provider technologies required within each Restoration region for resilience.
- Provide regular progress updates to coordination team and steering committee.
- Produce a final report to include:
  - List of current/future challenges per technology discussed including, as a minimum: 1) advantages, 2) limitations and proposed mitigations, 3) technical and commercial drivers
  - Minimum number of service provider technologies in each restoration region
  - Risks and mitigations
  - In coordination with other industry working groups, the impact on industry codes, including mapping of changes in relevant regulatory frameworks, initial draft of the proposed changes and a route to change (e.g. Grid Code Modification proposal)

### Purpose
To assess how different technologies could contribute to faster restoration times and an enduring supply of demand (expected to be 2 to 5 days after a blackout event)

### Inputs
- NGESO Strawman
- Relevant consultation responses
- Relevant codes
- Glossary & definitions

### Outputs
- Identify current and future challenges for restoration services from synchronous, non-synchronous and top-up services
- Specify the minimum service provider technologies required within each Restoration region for resilience.
- Provide regular progress updates to coordination team and steering committee
- Produce a final report to include:
  - List of current/future challenges per technology discussed including, as a minimum: 1) advantages, 2) limitations and proposed mitigations, 3) technical and commercial drivers
  - Minimum number of service provider technologies in each restoration region
  - Risks and mitigations
  - In coordination with other industry working groups, the impact on industry codes, including mapping of changes in relevant regulatory frameworks, initial draft of the proposed changes and a route to change (e.g. Grid Code Modification proposal)

### Standing Agenda

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<th>Owner</th>
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<tr>
<td>1. Safety/Wellbeing/inclusion Moment</td>
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<td>2. Actions Update</td>
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<td>3. Progress/project update</td>
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<td>4. Risk/Issues for escalation to Coordination team</td>
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<td>5. Decisions/Actions</td>
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<td>6. AOB</td>
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