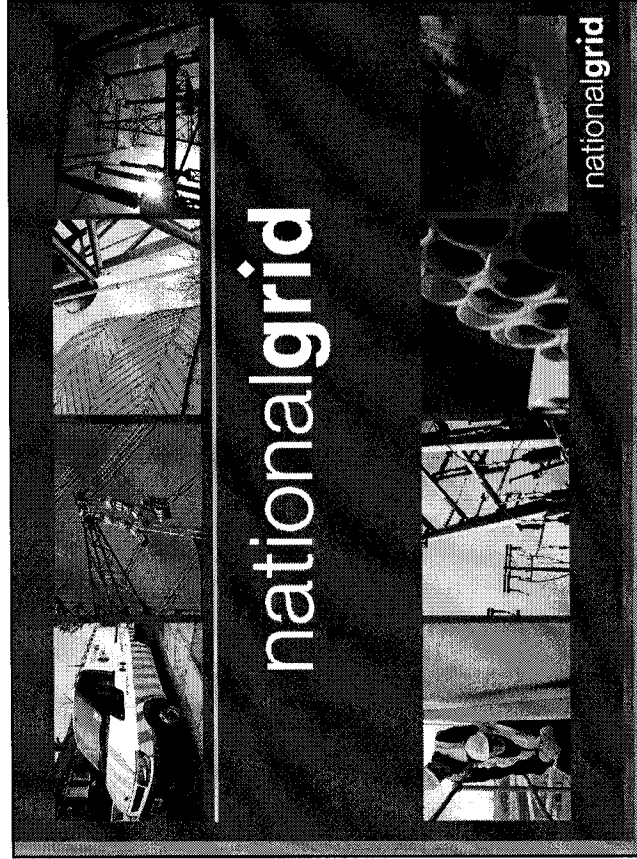


GSR007 Largest Infeed Loss WG

- ◆ Introduction
- ◆ Infeed Loss Limits & New Generation Technologies -- Potential Issues
- ◆ Working Group Terms of Reference
- ◆ Working Group Strategy and Discussions
- ◆ Next Steps
- ◆ AOB

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Terms Of Reference

- 1. Review the normal and infrequent infeed loss limit, identify the maximum loss of each limit
- 2. Consider largest loss in terms of both Planning and Operational timescales
- 3. Identify and assess technical implications of increasing the limits
- 4. Identify and assess security of supply effects
- 5. Consider the commercial implications e.g. ancillary services
- 6. Evaluate applicable economic and environmental costs and benefits
- 7. Recommend changes required to GB SQSS
- 8. Identify consequential changes which may be required to other industry codes
- 9. Liaise and consultation will industry stakeholders as appropriate

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Some Thoughts.....

- Normal v/s Infrequent Loss Limits
 - Does 1800MW become frequent loss?
 - Definition of infrequent <3 events p.a.
 - Frequency limits – applicability 49.5 / 49.2?
 - SC Transmission faults / bad weather
- Planning & Operational Timescales
 - Benefits of network investment savings
 - Wind drives more reserve anyway / but not response?
 - Reserve requirements in importing areas / circle diagram.

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Some Thoughts 2.....

- ♦ Technical Impacts
 - ♦ Required levels of reserve holding – against different generation mixes.
 - ♦ ROCOF impacts
 - ♦ LFDDR settings
- ♦ Security of Supply
 - ♦ Impact on reserve holding
 - ♦ Disappearance ratios

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Some Thoughts 3.....

- ♦ Commercial Impacts
 - ♦ CAP47
 - ♦ AS Costs
 - ♦ Alternative response holding
 - ♦ Contracted LF demands
 - ♦ Smart loads – Smart Meters / Fridges
 - ♦ Interconnectors
 - ♦ NRAPM issues – Nuclear pull back at low loads and response holding.

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Some Thoughts 4.....

- ♦ Economic Assessment
 - ♦ Narrow
 - ♦ Wide
 - ♦ Societal Benefits
 - ♦ 1300MW nuclear v/s 1800MW nuclear.
 - ♦ Who does the assessments
 - ♦ How is it done.
 - ♦ Authority's likely test.

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Some Thoughts 5.....

- ♦ Impact on other codes.
- ♦ Demand implications – for interconnectors
- ♦ Effective from?

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