

GC0096 Storage Break-out session outcomes

What's our issue?

Collated statements from group feedback

Definitions

- Define Energy Storage AND Electricity Storage (are they being defined elsewhere? Don't have contradictory definitions)

Configurations

- How Storage can be configured within existing generation (PPMs) schemes, and ensure arrangements are in place to support this
- The requirements associated to import + export regimes

Scalability

- The link between Distribution Code AND Transmission Code, so that it is easy for users to understand which regulations they need to refer to
- We need to ensure that we support new connections, not push them underground where they may not be visible and caused system stability issues

System Operation

- Any adverse consequences or lots of Storage schemes connecting (with potentially different Control + Protection Systems)
- How do the Grid Code requirements fit with Commercial + Mandatory Ancillary Services requirements

Technical Requirements specification

Collated statements from group feedback

- By technology (storage medium vs interface mechanism?)
- By configuration
- By capacity thresholds (e.g. Small/Medium/Large)
- MW vs MWh capability? Fluctuating output
- By 'Running regime' (i.e. Import / Export Cycles)
 - Ramp rates
- Market/Service – Power vs Energy Services
 - Flexibility
 - Security of Supply vs Trading; Reactive + Voltage Control
- Location
- Portfolio Limits - apply specific requirements when aggregated installation capacity passes a pre-set level

Technical Requirements criteria

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Collated statements from group feedback

- Protects needs of the system
- Sets a minimum standard
- Clear understanding between Transmission + Distribution requirements
- Appropriate levels of resources/effort to make change
- Balance short term and long needs
- Flexibility to change
- Providing assurance/stability
- No undue discrimination
- Remove barriers to entry
- Other codes impact
- Protect ends consumer
- Security of supply/safety