Grid Code Development Forum

Agenda Items 5&6:

Rapid Frequency Response & Sub-Synchronous Resonance (SSR) due to series compensation

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GC0087 Workshop Draft Conclusions

Issue	Stop/ proceed elsewhere	GC0087 Workgroup		Comment
		Develop Proposals	Put on hold	
Clearer ramp rate and delay definition		✓		Recognised benefits for all parties. Parameters required for RfG Implementation.
Low Load Operation			✓	Potential benefits recognised. No clear need for a change at this time.
Alternative on-site sources			✓	Potential benefits recognised. No clear need for a change at this time.
Rapid-Frequency Response for non-synchronous generators	✓			Polarised positions on costs and benefits. Need case has to be well quantified by NGET (2015 FES/SOF) before issue can progress further.
Inertial Response from Synchronous generators	✓			NGET to work with generators to verify modelling assumptions

What next for “Rapid-Response”?

- Mechanisms are already in place to procure “Rapid-Response” as a commercial service
- Any development of mandatory requirements will be underpinned by the FES/SOF process
- If there is a need to progress, there’s an opportunity to build consensus on approach to a mandatory requirements before doing so

Sub Synchronous Oscillations

- Grid Code change proposals were presented under GC0077

  http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Modifications/GC0077/

- The Panel asked for GC0077 to be developed upon be completion of SQSS changes under GSR018

  http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/SQSS/Modifications/GSR018/

- The Panel will examine “roles and responsibilities” upon conclusion of GC0077

  - January 2015 Panel Paper PP 15/69

    http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Panel-information/Meetings/2015/21-January-2015/