nationalgrid

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Grid Code Progress Tracker

Code Modification	Summary	Proposer	Owner	Stages								
				Mod raised at GCRP	Workgroup	Draft Rep to GCRP	Industry Consultation	Report to Authority	Ofgem Decision	Implementation date	Implementation Plan	Duration of Open Mods (Months)
GC0023 Protection Fault Clearance Times and Back-up Protection	This modification addresses two protection issues which were first brought to the attention of the GCRP in 2008. The first issue refers to clarification of the wording associated with fault clearance times in CC.6.2.2.2.2(a) and CC.6.2.3.1.1(a). The second relates to provision of Generator Back-Up Protection defined within CC.6.2.2.2.2(b) and co-ordination with NG backup protection.	NG	Franklin R	19/03/2015			25/08/2015	01/12/2015	20/01/2016	03/02/2016		NA
GC0088 Voltage Unbalance	The Grid Code sets limits for negative phase sequence (NPS) on the transmission networks of 2% in Scotland and 1% in England and Wales. NPS levels in E&W are now such that this is very close to driving major investment decisions. This issue is to examine the costs, risks and benefits of changing the Grid Code voltage unbalance limits to single GB values of 1.5% for 400kV and 275kV and 2% for 132kV.	NG	Graham S	19/11/2014			30/07/2015	18/11/2015	07/01/2016	03/02/2016		NA
GC0028 Constant Terminal Voltage	A number of generators seeking connection to and use of the NETS have expressed concern over National Grid's interpretation of "constant terminal voltage control" as referred to within CC.6.3.8 together with the requirements of CC.6.3.4.	NG	Franklin R	19/11/2009	29/01/2014	20/05/2015	13/07/2015	25/11/2015	15/01/2016	03/02/2016		26
GC0048 ENC - RfG	The Requirements for Generators (RfG) European Network Code, once complete will become EU law and take precedence over GB law and associated Industry Codes. The establishment of a joint GCRP/DCRP workgroup is required to progress national application/implementation of RfG including necessary code changes. There are complex structural issues to consider in incorporating RfG into the GB codes.	NG	Rob W	18/09/2013	28/01/2014		15/03/2016	30/04/2016				26
GC0062 Fault Ride Through	The Grid Code sets out the requirements applicable to Generators and DC Convertors to remain connected to the Transmission System for long duration voltage dips (ie longer than 140ms) and resume the export of Active Power as system voltage recovers. The issue is currently being investigated at a series of workshops	NG	Graham S	16/01/2012	03/12/2013	20/01/2016	08/02/2016	08/03/2016				27
GC0075 Hybrid Static Compensators	Power Park Module developers have been installing Hybrid STATCOM / SVC's, which provide a portion (typically 50% to 75%) of their reactive capability from switched reactors and capacitors. Some of these devices have restrictions preventing repeated switching in a short period which can be seen as inconsistent with the concept of "continuously-acting" control which is required by the Grid Code. Interested parties believe clarification is required of the Grid Code requirements on these devices and that it would be beneficial to form a Workgroup to develop proposals for clearer and more appropriate requirements on Hybrid STATCOM / SVC performance.	NG	Graham S	20/11/2013	15/05/2014	15/07/2015	20/01/2016	31/03/2016				22
GC0079 Frequency Changes during large disturbances and their effect on the total system	As a result of the work carried out by the Frequency Response Technical Subgroup, report published in December 2011, the maximum rate of change of frequency (RoCoF) settings need consideration in the context of the loss of mains protection deployed on embedded generation. Phase 1 (GC0035) looked at generators of over 5MW in size; phase 2 is looking at sub 5MW generators.	NG	Graham S		22/06/2014	15/03/2016	15/04/2016	15/05/2016				21
GC0077 Suppression of Sub-Synchronous Resonance from Series Capacitive Compensation	It is proposed that the Grid Code is changed to provide clarity that Transmission Licensees installing Series Capactivie Compensation devices or HVDC Convertors will ensure that Sub-synchronous Resonance and Sub-synchronous Torsional Interaction risks are appropriately mitigated.	NG	Graham S	18/09/2013								NA

GC0086 Open Governance	At the July 2014 GCRP meeting, the panel agreed to establish a workgroup to consider the application of open governance principles to the Grid Code, similarly to those employed by the CUSC. This would include proposer ownership, an independent chair, workgroup timescales, self-governance/fast-track/urgency, GCRP panel membership and voting, election process and set-up of an advisory forum	Customer / NG	Alex T	18/07/2014	10/09/2014		28/09/2015	15/02/2016				18
GC0087 Requirements for Generators Frequency Provisions	A number of additional issues relating to Grid Code requirements were highlighted in the Frequency Response workgroup which remain outstanding. These included the suppression of the inertial effect of synchronous generators, the provisions of frequency response by generators at low loads and the provisions of frequency response from on-site sources other than generators.	NG	Graham S	20/05/2015	02/07/2015							8
GC0036 Review of Harmonics Assessment Standards and Processes	The Review of Harmonics Assessment Standards and Processes Workgroup was established to examine and make recommendations to review the standards and processes employed by electricity transmission and distribution network owners to assess harmonics and, in particular, produce a report describing any changes that are considered necessary to Engineering Recommendation G5/4-1 (Planning Levels for harmonic Voltage Distortion and the Connection of Non-Linear Equipment to Transmission Systems and Distribution Networks in the UK).	NG	Mark P	17/09/2009	01/11/2015							4
GC0090 HVDC ENC	High Voltage Direct Current (HVDC) is the next of the three European Network Codes for grid connections after RfG expected to conclude drafting ('Comitology')and EU member state voting. Its focus is setting consistent functional requirements for HVDC connections, including offshore HVDC networks, which connect Offshore generation schemes.	NG	Richard W	15/07/2015	18/09/2015							6
GC0091 DCC ENC	Demand Connection Code (DCC) is the last of the three European Network Codes for grid connections after RfG and HVDC. It is expected to conclude drafting process and EU Member State voting in October 2015. This code sets consistent technical conditions for new demand connections to transmission systems. Consumers need to also be aware that it sets out requirements for optional demand side response services. It applies to new transmission connected demand facilities or distribution networks and to new providers of demand side response.	NG	Franklin R	15/07/2015	20/11/2015							4
GC0076 Rapid Voltage Changes	The Grid Code sets out criteria relating to Voltage Fluctuations at a Point of Common Coupling within CC.6.1.7. These include references to step changes, voltage excursions and a cross reference to Engineering Recommendation P28 for the transmission system in Scotland. The current text can be misinterpreted and would ideally be modified for the sake of clarity.	NG	Graham S	19/05/2011		20/05/2015	17/02/2015	13/07/2015	13/08/2015	26/08/2015		NA

Workgroups		Proposer	Owner	Stages								
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GC0064 Revision of Engineering Recommendation P28	Electricity North West has proposed that a review of ER P28 'Planning Limits for Voltage Fluctuations Caused by Industrial, Commercial and Domestic Equipment in the United Kingdom' should be performed. ERP28 deals with the assessment of voltage fluctuations and associated light flicker produced by potentially disturbing equipment. ER P28 is referenced in both the Grid and Distribution Codes.	NG	Graham S	20/11/2012								NA

Stage Complete **On Track** **At Risk No mitigation plan**