

Grid Code Modification Register

national**grid**

March 2018

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Live Modification Summary Table

GC	Title	Proposal to Grid Code Review Panel Meeting	Publish Workgroup Consultation	Workgroup Consultation Closing Date	Workgroup Report to Grid Code Review Panel	Publish Code Admin/ Industry Consultation	Code Admin/Industry Consultation Closing Date	Draft Modification Report to Grid Code Review Panel	Grid Code Review Panel Vote	Publish/Submit Final Modification Report	Decision	Date of Implementation	Proposer	Code Admin Lead	Comments on changes, slippages and impact on implementation date
96	Energy Storage	31 Aug 2016	15 Jan 2018	29 Jan 2018	22 Mar 2018	23 Mar 2018	20 Apr 2018	08 May 2018	16 May 2018	29 May 2018	03 Jul 2018	18 Jul 2018	Robert Wilson National Grid	Taran Heir	This Modification is on hold until a decision for GC0100-GC0102 has been received.
97	Project TERRE	16 Nov 2016	8 Jan 2018	7 Feb 2018	26 Apr 2018	30 Apr 2018	22 May 2018	14 Jun 2018	21 Jun 2018	26 Jun 2018	31 Aug 2018	10 Sept 2018	National Grid	Taran Heir	

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98	Using GB Grid Code data to construct the EU Common Grid Model.	21 Jun 2017	N/A	N/A	N/A	21 Aug 2017	12 Sept 2017	12 Sept 2017	20 Sept 2017	20 Sept 2017	TBC	TBC	Robert Selbie National Grid	Chrissie Brown	The Authority quashed the original Panel Determination Vote. Proposer to redraft legal text and to resubmit to GCRP for for further Code Administrator consultation (exp April 2018)
99	Establishing a Common Approach to Interconnector Scheduling	30 May 2017	09 Oct 2017	30 Oct 2017	06 Feb 2018	23 Feb 2018	16 Mar 2018	19 Mar 2018	22 Mar 2018	26 Mar 2018	30 Apr 2018	14 May 2018	Robert Selbie National Grid	Taran Heir	Draft FMR to return to April GCRP for Recommendation Vote
100	EU Connection Codes GB Implementation – Mod 1	30 May 2017	11 Sept 2017	02 Oct 2017	6 Dec 2017	12 Jan 2018	2 Feb 2018	6 Feb 2018	8 Feb 2018	20 Feb 2018	27 Mar 2018	16 May 2018	Rob Wilson National Grid	Chrissie Brown	Authority decision expected w/c 16 April

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101	EU Connection Codes GB Implementation – Mod 2	30 May 2017	11 Sept 2017	02 Oct 2017	6 Dec 2017	12 Jan 2018	2 Feb 2018	6 Feb 2018	8 Feb 2018	20 Feb 2018	27 Mar 2018	16 May 2018	Rob Wilson National Grid	Chrissie Brown	Authority decision expected w/c 16 April
102	EU Connection Codes GB Implementation – Mod 3	21 Jun 2017	11 Sept 2017	02 Nov 2017	6 Dec 2017	12 Jan 2018	2 Feb 2018	6 Feb 2018	8 Feb 2018	20 Feb 2018	27 Mar 2018	16 May 2018	Rachel Woodbridge-Stocks National Grid	Naomi Davies	Authority decision expected w/c 16 April
103	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes	27 July 2017	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	Garth Graham SSE	Naomi Davies	

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104	EU Connection Codes GB Implementation – Demand Connection Code	16 Aug 2017	11 Jan 2018	01 Feb 2018	08 Mar 2018	19 Mar 2018	11 Apr 2018	12 Apr 2018	20 Apr 2018	02 May 2018	07 June 2018	21 Jun 2018	Rachel Woodbrige-Stocks National Grid	Chrissie Brown	WG Consultation closes on 16/03/18; one month extension agreed at March GCRP
105	System Incidents Reporting	18 Oct 2017	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	Guy Nicholson EI Power	Naomi Davies	
106	Data Exchange Requirements in accordance with Reg (EU) 2017/1485 (SOGL)	18 Oct 2017	22 Mar 2018	17 Apr 2018	12 Jun 2018	21 Jun 2018	12 Jul 2018	13 Jul 2018	18 Jul 2018	30 Jul 2018	4 Sep 2018	14 Mar 2018	Susan Mwape NGET	Naomi Davies	

107	The open, transparent, non discrim and timely publication of the generic and/or PGM specific values required by the relevant TSOs and/or rel SO et al in accordance with the RfG	22 Feb 2017	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	Garth Graham SSE	Naomi Davies	
108	EU Code: Emergency & Restoration: Black start testing requirement	22 Feb 2018	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	Raveena Virk NGET	Chrissie Brown	Self Governance Criteria agreed at March GCRP
109	The open, transparent, non-discriminatory and timely publication of the various GB electricity Warnings or Notices or Alerts or Declarations or Instructions or Directions etc., issued by or to the Network Operator(s).	22 Feb 2018	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	Garth Graham SSE		

GC No.	0096	
Title	Energy Storage	
Proposer	Robert Wilson (National Grid Electricity Transmission)	
Raised	31 August 2016	
Route	Standard Modification (Pre-Open Governance)	
	Modification Description	Progress
	<p>This Modification is to consider the appropriate technical requirements for Energy Storage technologies connecting to the Transmission system, and discuss any high level changes that may be necessary to the Grid Code</p>	<p><i>Modification Proposal</i> The Modification Proposal was proposed at the Panel on 31 August 2016 where the Grid Code Review Panel determined that the Modification will progress to a Workgroup.</p> <p><i>Workgroup Update</i> A Workgroup meeting was held on the 15 January 2018 where the Workgroup reviewed the Report. The Workgroup suggested that this Modification should await the pending decision on GC0100-GC0102 before progressing. The January Panel and Authority agreed GC0100-102 to be used as baseline legal text for Workgroup Consultation, a decision on which is anticipated in April 2018. Next Workgroup TBC.</p>

GC No.	0097
Title	Project TERRE
Proposer	Bernie Dolan (National Grid Electricity Transmission)
Raised	16 November 2016
Route	Standard Modification (Pre-Open Governance)
Modification Description	Progress
<p>This Modification considers the appropriate technical requirements for Energy Storage technologies connecting to the Transmission system, and discuss any high level changes that may be necessary to the Grid Code.</p> <p>Project TERRE is a key implementation initiative for the European Electricity Balancing Guideline (EB GL), which aims to establish a pan-European market for Balancing Energy.</p> <p>The project is seeking to design and develop a central platform to facilitate the close to real-time (<1 hour) exchange of Replacement Reserves (balancing energy products with a >15 min lead time) between Transmission System Operators (TSOs) in Europe.</p> <p>GC0097 will review to what extent existing Grid Code processes, primarily in the Balancing Code section (BC1-3), need to be changed or supplemented in order to facilitate TERRE participation in GB. It will also consider the interaction with the existing GB Balancing Mechanism process given their converging timescales.</p>	<p>Modification Proposal The Modification Proposal was proposed at the Panel on 16 November where the Grid Code Review Panel determined that the Modification will progress to a Workgroup.</p> <p>Workgroup Update The solution for Grid Code processes is being progressed at Workgroup and joint working arrangements are being progressed with BSC Modification P344.</p> <p>The Workgroup consulted on this Modification 26 January 2018 and have subsequently held bi-weekly meetings to progress the Modification.</p> <p>The Workgroup voted on this Modification on 22 March 2018. The WG Report will be presenting to April's GCRP ahead of issuing for Code Administrator Consultation.</p>

GC No.	0098	
Title	Using GB Grid Code data to construct the EU Common Grid Model in accordance with Regulation (EU) 2015/1222 (CACM) and Regulation (EU) 2016/1719 (FCA).	
Proposer	Robert Selbie (National Grid Electricity Transmission)	
Raised	21 June 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>This modification seeks to give all parties visibility as to which data collected through the Grid Code is to be used to construct the GB Individual Grid Model in accordance with Regulation (EU) 2015/1222 (CACM) and Regulation (EU) 2016/1719 (FCA). A common grid model representing the European interconnected system is to be established so that TSOs can calculate cross-zonal capacity in a coordinated way.</p>	<p><i>Modification Proposal</i> The Modification Proposal was proposed at the Panel on 21 June 2017 where the Panel requested for additional clarity to be added to the modification. The modification was re submitted to the July Panel meeting and the GCRP agreed that the modification should proceed as Self-Governance and straight to Code Administrator Consultation.</p> <p><i>Update</i> Following Panel approval of the modification in October 2017, the Authority subsequently received an appeal from Senvion UK. The Authority quashed the Panel Determination Vote and returned the modification to the Grid Code Review Panel to address the issues and to issue a second Code Administrator Consultation. GCRP will review the modification report in April.</p>

GC No.	0099	
Title	Establishing a Common Approach to Interconnector Scheduling	
Proposer	Robert Selbie (National Grid Electricity Transmission)	
Raised	30 May 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>This Modification seeks to introduce the interconnector scheduled transfer process to the Grid Code in order to establish common timings which are compatible with both the EU single intraday market coupling processes, and GB and EU balancing processes. CACM aims to promote effective competition in the generation, trading and supply of electricity and foresees the development of more liquid intraday markets which give parties the ability to balance their positions closer to real time should help to integrate renewable energy sources into the Union electricity market.</p>	<p><i>Modification Proposal</i> The Modification Proposal was proposed at the Panel on 30 May 2017 where the Grid Code Review Panel determined that the Modification would follow the Standard Modification Route.</p> <p><i>Workgroup Update</i> The Workgroup first met to discuss the questions raised by the Panel and pursued joint working arrangements as recommended by the Panel with BSC Modification P356. The Workgroup are currently in the process of finalising the Workgroup Consultation for issue to Industry.</p> <p>The Workgroup consulted on this Modification on 24 November 2017. Following consultation two Workgroup Alternative Code Modifications (WACM's) were raised. The Report was subsequently submitted to the February Panel and issued for Code Administrator Consultation which closed on 16 March 2018. The draft Final Modification Report will be presented to April's GCRP.</p>

GC No.	0100	
Title	EU Connection Codes GB Implementation – Mod 1	
Proposer	Robert Wilson (National Grid Electricity Transmission)	
Raised	30 May 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>This modification (1/4) will set out within the Grid Code the following compliance obligations in the EU Connection Codes:</p> <ol style="list-style-type: none"> 1. Scope and applicability of the RfG, DCC and HVDC requirements for GB users 2. Set the x4 Type (A-D) MW banding levels for GB, as required in RfG 3. Set the GB Fast Fault Current Injection parameters, as set out in RfG 4. Set the GB Fault Ride Through requirements, as set out in RfG and HVD 	<p>Modification Proposal The Modification Proposal was proposed at the Panel on 30 May 2017 where the Grid Code Review Panel determined that the Modification would progress under a Standard Modification route.</p> <p>Workgroup Update The Workgroup Report was signed off by the Grid Code Review Panel via a Special Panel meeting on 10 January 2018 and subsequently progressed to Code Administrator Consultation on 12 January 2018.</p> <p>The Panel Recommendation Vote was held via a Special Panel meeting on 8 February 2018. Following this the Final Modification Report was signed off and submitted to the Authority on 20 February 2018.</p> <p>Authority Decision is due w/c 16 April 2018.</p>

GC No.	0101	
Title	EU Connection Codes GB Implementation – Mod 2	
Proposer	Robert Wilson (National Grid Electricity Transmission)	
Raised	30 May 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>This modification (2/4) will set out within the Grid Code the following compliance obligations in the EU Connection Codes:</p> <ol style="list-style-type: none"> 1. Set the Voltage & Reactive requirement in GB, as required in RfG and HVDC 2. Set the Frequency requirements in GB, as required in RfG and HVDC 	<p>Modification Proposal The Modification Proposal was proposed at the Panel on 30 May 2017 where the Grid Code Review Panel determined that the Modification would progress under a Standard Modification route.</p> <p>Workgroup Update The Workgroup Report was signed off by the Grid Code Review Panel via a Special Panel meeting on 10 January 2018 and subsequently progressed to Code Administrator Consultation on 12 January 2018.</p> <p>The Panel Recommendation Vote was held via a Special Panel meeting on 8 February 2018. Following this the Final Modification Report was signed off and submitted to the Authority on 20 February 2018.</p> <p>Authority Decision is due w/c 16 April 2018.</p>

GC No.	0102	
Title	EU Connection Codes GB Implementation – Mod 3	
Proposer	Rachel Woodbridge-Stocks (National Grid Electricity Transmission)	
Raised	21 June 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>This modification (3/4) will set out within the Grid Code the following compliance obligations in the EU Connection Codes:</p> <ol style="list-style-type: none"> 1. Set the System Management parameters, as set out in RfG and HVDC 2. Set the Compliance requirements, as set out in RfG, DCC and HVDC 	<p>Modification Proposal The Modification Proposal was proposed at the Panel on 21 June 2017 where the Grid Code Review Panel determined that the Modification would progress under a Standard Modification route.</p> <p>Workgroup Update The Workgroup Report was signed off by the Grid Code Review Panel via a Special Panel meeting on 10 January 2018 and subsequently progressed to Code Administrator Consultation on 12 January 2018.</p> <p>The Panel Recommendation Vote was held via a Special Panel meeting on 8 February 2018. Following this the Final Modification Report was signed off and submitted to the Authority on 20 February 2018.</p> <p>Authority Decision is due w/c 16 April 2018.</p>

GC No.	0103	
Title	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes	
Proposer	Garth Graham (SSE)	
Raised	27 July 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>This modification will set out within the Grid Code the compliance obligations in the EU Connection Codes as they relate to Electrical Standards.</p>	<p><i>Modification Proposal</i> The Modification Proposal was discussed at a Special GCRP meeting on 27 July 2017. A decision was made that this Modification would progress as a standard modification.</p> <p><i>Workgroup Update</i> The Workgroup and Code Administrator are working to determine a timetable. The next Workgroup meeting is scheduled to convene on 27 March 2018 to follow up actions and any potential alternatives.</p>

GC No.	0104
Title	EU Connection Codes GB Implementation – Demand Connection Code
Proposer	Rachel Woodbridge-Stocks (National Grid Electricity Transmission)
Raised	16 August 2017
Route	Standard Modification
Modification Description	Progress
<p>This modification will set out within the Grid Code the following compliance obligations in the European Network Code – Demand Connection Code (DCC):</p> <ol style="list-style-type: none"> 1. Technical requirements for new* Transmission-connected Demand Facilities; Transmission-connected Distribution Facilities and Distribution Systems. 2. Technical requirements for Demand Units used by a Demand Facility or a Closed Distribution System to provide Demand Response Services to System Operators. <p>* 'New' is defined as not being connected to the system at the time that the code enters into force and not having concluded a final and binding contract for the purchase of main plant items by two years after entry into force</p>	<p><i>Modification Proposal</i> The Modification Proposal was proposed at the Panel on 16 August 2017 where the Grid Code Review Panel determined that the Modification would progress under a Standard Modification route.</p> <p><i>Workgroup Update</i> This Modification is currently at the Workgroup Consultation stage issued on 8 March 2018 with a closing date of 29 March. A one month extension was agreed by March's GCRP. The Workgroup Report will be presented at the May Panel ahead of issuing for Code Administrator Consultation.</p>

GC No.	0105	
Title	System Incidents Report	
Proposer	Guy Nicholson (Element Power)	
Raised	October 2017	
Route	Standard Modification	
	Modification Description	Progress
	<p>The Grid Code Panel has previously received an annual report from National Grid indicating system incidents and reporting on links losses of load or generation on transmission and/or distribution networks. This report is important to industry and the Grid Code Panel to monitor the effectiveness of technical requirements in the Grid Code and Distribution Code.</p>	<p><i>Modification Proposal</i> The Modification Proposal was tabled at the Panel in October 2017. Following further analysis in December, Grid Code Review Panel in December determined that the Modification would progress under a Standard Modification route.</p> <p><i>Workgroup Update</i> The Workgroup last convened on 22 February 2018. The Workgroup continues to develop the solution and is drafting the Workgroup Report based on the ongoing discussions. There is no current date for Workgroup 3. The Code Administrator is working to develop a revised timeline.</p>

GC No.	0106
Title	Data exchange requirements in accordance with Regulation (EU) 2017/1485 (SOGL)
Proposer	Susan Mwape (National Grid Electricity Transmission)
Raised	October 2017
Route	Standard Modification
Modification Description	Progress
This Modification seeks to make changes to data exchange requirements in the Grid Code arising from the EU regulation SOGL to ensure compliance.	<p>Modification Proposal The Modification Proposal was tabled at the Panel in October 2017 and it was determined that the Modification would progress under a Standard Modification route.</p> <p>Workgroup Update The Workgroup has progressed the code mapping for SOGL Articles 40-53 of SOGL in addition to the KORRR. The next Workgroup is scheduled for 22 March 2018 to review the revised drafting of the Workgroup Consultation Report ahead of issuing to industry (anticipated w/c 16 April).</p>

GC No.	0107	
Title	The open, transparent, non-discriminatory and timely publication of the generic and/ or PGM specific values required to be specified by the relevant TSO(s) and / or relevant system operator et al., in accordance with the RfG.	
Proposer	Garth Graham (SSE)	
Raised	November 2017	
Route	Standard Modification	
	Modification Description	Progress
	This modification will set out within the Grid Code the obligations in the EU Connection Codes as they relate to the specification of certain items by certain obligated party or parties.	<p><i>Modification Proposal</i> The Modification Proposal was tabled at the Panel in November 2017. Panel and the Authority subsequently determined that the Modification was not required for EU compliance and would progress under a Standard Modification route.</p> <p><i>Workgroup Update</i> A decision has been agreed by the Grid Code Review Panel and the Authority that this Modification is not required for compliance.</p>

GC No.	0108	
Title	EU Code: Emergency & Restoration: Black start testing requirement	
Proposer	Raveena Virk (National Grid Electricity Transmission)	
Raised	February 2018	
Route	Standard Modification	
	Modification Description	Progress
	<p>This modification seeks to align the GB Grid Code with the European Emergency and Restoration code. The purpose of this proposal is to align and regulate the testing of black start stations across the two codes.</p>	<p><i>Modification Proposal</i></p> <p>The Modification Proposal was tabled at the Panel in February 2018 and it was determined that the Proposal required further development to its legal text ahead of re-submission to the March Panel.</p> <p>The Proposal was re-presented to March's GCRP and the Self-Governance Criteria was agreed.</p> <p>The Proposer is due to submit the latest drafting of the proposal to the Code Administrator w/c 26 February 2018 for review by GCRP ahead of issuing for Code Administrator Consultation.</p>

GC No.	0109
Title	The open, transparent, non-discriminatory and timely publication of the various GB electricity Warnings or Notices or Alerts or Declarations or Instructions or Directions etc., issued by or to the Network Operator(s).
Proposer	Garth Graham (SSE)
Raised	February 2018
Route	Standard Modification
Modification Description	Progress
This modification will set out within the Grid Code the obligation on Network Operators to make available to market participants, in real time, all the types of Warnings etc., issued (including whether they 'activate' or 'deactivate' an action) so that market participants have a 'one stop shop' to find this information, in a user friendly format.	<p><i>Modification Proposal</i> The Modification Proposal was tabled at the Panel in February 2017 and it was determined that the Modification would progress under a Standard Modification route.</p> <p>The Code Administrator together with the Grid Code Review Panel is currently working on a timeline for this modification.</p> <p><i>Workgroup Update</i> <i>The first Workgroup date is pending.</i></p>

Concluded Modification Summary Table

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