

Source	Section	Query	Notes	Status
Tony Johnson	Glossary & Definitions	TERRE Gate Closure: 60 minutes before the start of the TERRE Auction Period.	Bernie Dolan comment: No change required now, but will change to 55 minutes once the platform has been in place for 12 months.	No change required
Tony Johnson	CC.6.1.5(b)	The Phase (Voltage) Unbalance is calculated from the ratio of root mean square (rms) of negative phase sequence voltage to rms of positive phase sequence voltage, based on 10-minute average values, in accordance with IEC 61000-4-30.	Should Voltage be added in brackets as this is clearer and aligns with Glossary and Definitions where 'Phase (Voltage) Unbalance' is defined?	ESO has put the change into code – agreed in group
Tony Johnson	ECC.6.1.5(b)	The Phase (Voltage) Unbalance is calculated from the ratio of root mean square (rms) of negative phase sequence voltage to rms of positive phase sequence voltage, based on 10-minute average values, in accordance with IEC 61000-4-30.	Should Voltage be added in brackets as this is clearer and aligns with Glossary and Definitions where 'Phase (Voltage) Unbalance' is defined?	ESO has put the change into code – agreed in group
Tony Johnson	CP.A.3.2.1 (v)	gain Bode diagram for the closed loop on load frequency domain response of the Generating Unit Excitation System with and without the Power System Stabiliser . The Generating Unit with the Generating Unit operating at full load and at unity Power Factor . These diagrams should be in a suitable format to allow comparison of the Active Power damping across the frequency range specified in CC.A.6.2.6.3 with and without the Power System Stabiliser in service.	Suggested correction to sentence, no change of meaning.	ESO has put the change into code – agreed in group
Tony Johnson	OC8A.5.3.4	Certain designs of gas insulated switchgear three position isolators and earth switches specifically provide a combined Isolation and Earthing function within a single mechanism contained within a single integral unit. Where Safety Precautions are required across control boundaries and subject to the	Need to clarify meaning of sentence – appears to be missing a comma after switchgear.	Group does not agree – change not made

		requirements of OC8A.5.1, it is permissible to earth before Points of Isolation have been established provided that all interconnected circuits are fully disconnected from live HV Apparatus .		
Tony Johnson	OC9.4.7.4	(c) Requirements to inform The Company where a Genset cannot operate within its safe operating limits during the Demand restoration process .	This title is not included in Grid Code, but needs to be added for consistency, as (a) and (b) both have titles	ESO has put the change into code – agreed in group
Tony Johnson	OC9.6.4	Following notification of an Event under OC7 , and/or the receipt of any additional information requested pursuant to OC9.6.3, The Company or a User , as the case may be, will determine whether or not the Event is a Joint System Incident , and, if so, The Company and/or the User may set up an Incident Centre in order to avoid overloading the existing The Company or that User's, as the case may be, operational/control arrangements The Company and/or the User may set up an Incident Centre in order to avoid overloading the existing, operational/control arrangements be they The Company's or User's as the case may be.	Suggest the rewording shown – no change of meaning	ESO has put the change into code – agreed in group
Tony Johnson	BC2.13	<u>LIAISON WITH INTERCONNECTOR OWNERS</u> (a) Calculate the Interconnector Scheduled Transfer i) Interconnector Owners shall use best endeavours to deliver an updated Interconnector Scheduled Transfer to NGET by 10 minutes after each	Intraday Cross-Zonal Gate Closure Time is bold but not a defined term – should it be unbolded or added as a defined term? Interconnector Scheduled Transfer is bold in some cases but not a defined term – should it be unbolded or added as a defined term?	Some of the GC0099 legal text is in the current baseline, but some is not, so there is an inconsistency in the baseline. The new defined terms don't appear in the Glossary & Definitions as per the GC0099 legal text, but the new section BC2.13 includes the terms in bold.

		<p>Intraday Cross-Zonal Gate Closure Time.</p> <p>ii) The updated Interconnector Scheduled Transfer shall fully reflect the results of the Single Intraday Coupling.</p> <p>iii) Interconnector Owners must ensure that the updated Interconnector Scheduled Transfer is received in its entirety and logged into NGET's computer systems by the time of 10 minutes after each Intraday Cross-Zonal Gate Closure Time.</p>		<p>No change to be made as fixing this would be a material change.</p> <p>We propose picking this up separately, potentially once TERRE and MARI have been implemented</p>
Tony Johnson	GC.5.2	<p>Unless otherwise specified in the Grid Code, all instructions given by The Company and communications (other than relating to the submission of data and notices) between The Company and Generators and/or DC Converter Station owners and/or Suppliers, shall take place between the The Company Control Engineer based at the Transmission Control Centre notified by The Company to each Generator or DC Converter Station owner prior to connection, or to each Supplier prior to submission of BM Unit Data, and either the relevant Generator's or DC Converter Station owner's or Supplier's Trading Point (if it has established one) notified to The Company or the Control Point of the Supplier or the Generator's Power Station or DC Converter Station, as specified in each relevant section of the Grid Code. In the absence of notification to the contrary, the Control Point of a Generator's Power Station will be deemed to be the Power Station at which the Generating Units or Power Park Modules are situated.</p>	Suggest rewording this section for clarity / readability – unclear on meaning of the passage	No change made – out of scope for GC0136

Tony Johnson	GC.5.4	<p>If the Transmission Control Centre notified by The Company to each User prior to connection, or the User Control Centre, notified in the case of a Network Operator to The Company prior to connection, is moved to another location, whether due to an emergency or for any other reason, The Company shall notify the relevant User or the User shall notify The Company, as the case may be, of the new location and any changes to the Control Telephony or System Telephony necessitated by such move, as soon as practicable following the move.</p>	Suggest rewording this section for clarity / readability	No change made – out of scope for GC0136
Mike Kay	BC5	<ul style="list-style-type: none"> • I think it is incorrect to change distribution network operator to Network Operator. • We need to take account of reserve provider installations connected to IDNOs. • By making the change you propose you remove the IDNOs from the scope – which is wrong. • I think it works as it is (albeit imperfectly). • I note that BC4 seems to suffer from some internal problems along these lines, independent of these changes. • I suspect OC9 is not perfect in this regard either. • Probably time we did some joint work on reviewing how IDNOs need to be dealt with by the two technical codes. 		Change removed – group agrees to revert back to original
Mike Kay	OC5.A.2.1.3	the proposed amendment rather changes the intent of the sentence. To me it read better and clearer as it was before the proposed change.		No change required, agreed with group
Mike Kay	OC7	the boxes in the table on the last page in the first column are not big enough to display all the text.		Change made – agreed in group

Mike Kay	G&D	I notice in the G&D the definition of Caution Notice – only because it has moved. But it's not a good definition. It's a moot point why a safety rules term needs defining in the Grid Code – but wouldn't it be more appropriate to be more specific and refer to its use to demark a point of isolation?		Potentially material so out of scope
Mike Kay	?	I can't immediately spot where the newly defined inertia terms are used – but there should be no confusion - it is not permissible to make SI units into plurals... the use of "s" is specifically deprecated because of this: SI units are both singular and plural. I do note, however, that you seem to be deviating from SI practice in using MVar instead of MVar. So although what I think you're doing for MVar is actually wrong (according to SI who clearly can't get the staff these days) – I like it!	Its in G&D as 'Active Power Seconds or MWs	This issue is material and requires a separate mod. Change removed from legal text.
Alan Creighton	BC2.5.4 (f)	System Frequency Query		Agree no change needed
Alan Creighton	BC2	REAS – this means reason code, but the next point is also reason code	Emailed John Walsh	ESO change made, agreed in group
Alan Creighton	OC5.A.2.1.3	For all on site during The Company witnessed tests,		Reworded – code updated – agreed with group
Alan Creighton	DRC A	Pagination		Not changed – We will fix this during implementation – cannot be done until track changes have been removed
Alan Creighton	G&D	Active Power Seconds or MWs		No change required– agreed to delete
Alan Creighton	BC5.1.1.1	Query re Network Operator	A few other areas in BC5 need checking	Change removed, group agree to revert to original
Alan Creighton	OC8A.4.2.2	Are the Relevant E&W Transmission Licensees bound by the GCode CC/ECCs- aren't they bound by the STC		Minor change, agreed by group

				OC8.A.4.2.2 – minor changes made to text – bold / capitals but no further changes. Updates are in highlighted grey text. This will ensure consistency with OC8B.
Alan Creighton	OC8A Appendix D	Are 'customers' The Company's customers?		No change made
Alan Creighton	GR 25.6	Could this section be deleted?		No change made GC0132 will change this section
Alan Creighton	GC.11.2	This isn't clear to me. Can NGET change an electrical standard? I think that a User or NGET can change an annex a document a User or The Company can change an annex b document a User or SP Transmission can change an annex c document a User or SHE Transmission can change an annex d document		Out of scope, no change made
Alan Creighton	GC.15.1	Can this be removed?		No change made – out of scope
Isaac Gutierrez	G99 11.2.4.3 and 12.2.4.3 and 13.2.4.3 ECC 6.3.7.1.4 & BC3.7.3a	For PPM this will not be required if the wind has dropped to a level where the PPM power output is below the Minimum Stable Operating Level. Need wording indicating so		No change made – out of scope
Isaac Gutierrez	G99 12.3.1.7 And ECC.6.3.15.8(v)	The studies are normally carried out using minimum fault levels to get the worst case scenarios. This cannot be removed unless is		No change to GC, max and min already covered

		stated that is the DNO responsibility to provide the minimum fault levels		
Isaac Gutierrez	G99 13.2.6.4 (b)	Should be minimum regulating level		No change required - ECC 6.3.7.3.3(ii) Already says minimum regulating level
Isaac Gutierrez	G99 16.2.4	'How far in advance'		No change - not a GC issue
Isaac Gutierrez	G99 17.4.2 and 18.4.2 and 19.5.8	ION		Confirmed with Isaac that these are issues with G99 and do not require a change to Grid Code
Isaac Gutierrez	G99 A.7.2.4.1 B.5.2.5 and others	Min stable operating level		No change needed - ECP.A.5.8.9 already updated in GC
	C.8.5.1	Various re min stable operating level		GC updated to ensure correct terms have been used
	C.9.3.3	Comments re min stable operating level		Out of scope for this mod, may be possible to include in GC0138 compliance mod, but will require discussion with the proposer
Graeme Vincent	G&D	<p>It is a straightforward change to reflect that SP Transmission is now a plc rather than Ltd, and requires two definitions to be amended</p> <p>Relevant Transmission Licensee:</p> <ul style="list-style-type: none"> Means NGET in its Transmission Area or SP Transmission Ltd plc (SPT) in its Transmission Area or Scottish Hydro Electric Transmission Ltd (SHETL) in its Transmission Area or any Offshore Transmission Licensee in its Transmission Area. 		Change made – agreed in group

		<ul style="list-style-type: none"> SPT: SP Transmission plc Limited 		
Graeme Vincent	G&D	<p>I've also noticed from the list of Electricity Licensees that Ofgem publish from time to time that Scottish Hydro Electric Transmission is also a plc – so whether you wish to make this amendment at the same time or wait till they notify you as it probably also means changing all references to SHETL as the L is no longer applicable. There are quite a few SHETL references in use throughout the Grid Code, so not just as easy as making a couple of changes within the definitions.</p>		<p>Change made for SP Transmission plc vs current SP Transmission Limited)</p> <p>SHET plc has not been updated as this is quite a substantial change due to the number of times it appears</p>
Graeme Vincent	CP8.1	<p>(ii) a Network Operator becomes aware, that the capability of Plant and/or Apparatus belonging to an Embedded Power Station or Embedded DC Converter Station (other than a Embedded Medium Power Stations not subject to a Bilateral Agreement and Embedded DC Converter Stations not subject to a Bilateral Agreement) is failing to meet any provisions of the Grid Code, or where applicable the Bilateral Agreement, then the Network Operator shall inform The Company and The Company shall inform the Generator or DC Converter Station owner to and then follow the process in CP.8.2 to CP.8.11; or,</p>		<p>Change made – housekeeping only so no need to review</p>
Alastair Frew	CC	<p>CC.A.6.2.8.1 The settings of the Over-Excitation Limiter, where it exists, shall ensure that the Generating Unit's generator excitation is not limited to less than the maximum value that can be achieved whilst ensuring the Onshore Generating Unit is operating within its design limits. If the Generating Unit's generator excitation is reduced following a period of operation at a high level, the rate of reduction shall not exceed that required to remain within any time</p>		<p>Change made (and also in ECC) - housekeeping only so no need to review</p>

		dependent operating characteristics of the Onshore Generating Unit .		
Alastair Frew	DRC S18	There are seven new requirements related to OTSDUW added to the schedule which I believe were probably missed previously, but I think this needs a better explanation in the report detailing why they have been added than just saying “29. Data Registration Code Schedule 18 – updates to include OTSDUW (page 23).”		DRC has been updated to reflect planning code (PCA5.4.3.2). Agreed by group
Alastair Frew	G&D	<p>Governor Deadband and Governor Insensitivity has been deleted from the F section but where they appear in the G section they are also shown as deleted and not inserted. It now appears that they have changed to Frequency Response Deadband and Frequency Response Insensitivity.</p> <p>However Governor Deadband is still used in CC.6.3.7(c)(iii) and I think it is best to leave this and retain the definition.</p> <p>Immediately below these definitions in the F section there is the definition GSP Group which has not be moved to the G section</p>		<p>G&D but Governor Deadband reinstated in CC but removes reference to Frequency Response Insensitivity. GSP Group moved from F to G</p> <p>Group agreed</p> <p>Alastair mentioned Governor Deadband in the context of the G&D’s and CC’s but not in the context of the PC hence this has also been updated and highlighted in grey – see sections ((PC.A.5.3.2(d)) – Option 2 and PC Appendix D). We have also added the changes to the DRC.</p>
Alastair Frew	ECC	Removal of Appendix 4EC is not part of this modification it has already been approved in GC0111 and should just be removed by Code Admin now.		Change required, but not yet made - this may be made via another mod before 136 is implemented. We’ll make the change at implementation if required.

Alastair Frew	OC5.5.4	New tests have been added as follows. Synchronising as per ECC.6.2.2.9, Bilateral Agreement, however there are no details of the testing requirements given in the ECP section. Subsynchronous Torsional Interaction Damping capability, Power Oscillation Damping capability and Control Facilities for HVDC Systems as per ECC.6.3.17 and the Bilateral Agreement as applicable in respect of HVDC Systems and Generators in respect of OTSDUW DC Converters. Again there are no details of the testing requirements given in the ECP section.		Reverted back to original text. Group agreed
Alastair Frew	OC8A.5.3.4	text in yellow not clear why all this text is in yellow.	Covered above	See above - agreed
Sigrid Bolik	CPA3.2.1	CP.A.3.2.1 is changed from currently open loop to closed loop response. This may be difficult looking at the Synchronous generators Excitation system and a significant shift in analysis looking at the voltage control excitation of the synchronous generator to the voltage control at the terminals of the generator, it is additional work and may increase costs.		No change made. Out of scope for GC0136. This comment refers to CPA3.2.1(iii) – agreed no change required.
Sigrid Bolik	CPA3.2.1	OC9.6.4 – needs more work in formulation and important that there is a clear action.		No change made – out of scope agreed with group
Matt Baller	CC1	CC1.1(a)(ii) “GB Code User’s in respect to...” CC1.1(c) “...do not apply to EU Code User’s... ”	This was only pointed out after the group discussed these changes, but it’s a housekeeping change so does not need to be discussed	Code updated – housekeeping change only