

Grid Code Development Forum

GCDF
Material and Non Material Grid Code
Change / Updates

January 2024

Overview

- A review of the Grid Code has identified a range of items which require clarification / correction
- These include but are not limited to:-
 - Corrections arising from issues identified outside the scope of GC0136 (identified as being material but not necessarily substantial)
 - Alignment/clarification between Connection Conditions and European Connection Conditions and general corrections
 - House Keeping Changes and typographical errors

Corrections arising from GC0136

- These issues are detailed in Annex 3 of the GC0136 of the Final Modification Report
- Copy of Annex 3 circulated separately with the GCDF pack
- In summary these include:-
 - Glossary and Definitions – TERRE Gate Closure / Caution Notice / Consistency of SI units /
 - BC2.13 – Interconnector Scheduled Transfer / Intraday Cross-Zonal Gate Closure Time – baseline / Glossary and Definitions issue
 - General Conditions GC5.2 / GC5.4 – Re-word Paragraph GC.5.2 and GC5.4
 - General Conditions GC11.2 and GC15.1 – confirm if these clauses can be clarified / simplified
 - Consistency issues between Grid Code and G99
 - G99 / Grid Code – C.9.3.3 – References to Minimum Stable Operating Level
 - Change Grid Code references of SHETL to SHET
 - Compliance Processes – CP.A.3.2.1 – Change from open loop response to closed loop response – This is a potentially significant change and may be outside the scope of this mod.
 - OC9.6.4 – Requires more work in formulation and to ensure the action is clear
- Some of these changes could be quite extensive so any workgroup would need to assess what could reasonably be achieved

Alignment between Connection Conditions and European Connection Conditions and General Corrections

- Propose to remove thermal storage technologies in PC.A.3.4.1 eg Latent Heat Storage, Thermochemical Storage and Sensible Heat Storage
- CC/ECC3.3.2 – Change GB Generator and EU Generator to Embedded Medium Power Station not subject to a Bilateral Agreement
- Frequency Sensitive Relays CC/ECC.6.3.13
 - CC.6.3.12 prohibits the use of rate of change of frequency relays which was not carried over into the ECC's when RfG was implemented.
- Mandatory Ancillary Services CC/ECC.8.1
 - Clarification required between CC/ECC.8.1 - CC.8.1 defines Ancillary Services requirements in terms of Large and Medium Power Stations and ECC.8.1 defines the requirements in terms of Type C and Type D Power Generating Modules.
- ECP.A.6.8.1 is not well written and should be updated to improve clarity

Housekeeping and Typographical Errors

- Incorrect diagram in Figure ECC.16.3.16(c) – Figure ECC.16.3.16(b) and (c) are the same and should use the diagrams approved in Grid Code modification GC0111.
- There are two paragraphs with the same reference – ECP.A.3.6.7
- References in ECP.A.6.8.1 which refer to ECP.6.3.2.5.2 or ECP.6.3.6.3 should be changed to ECC.6.3.2.5.2 or ECC.6.3.6.3.
- Other typographical issues identified - See attached spread sheet

Request of GCDF

- Advise if there are other house keeping issues that need to be addressed
- Agree or otherwise that the issue should proceed to Panel and should progress via the standard Governance Process with a Workgroup noting that some of the changes are of a material nature
- Some of the post GC0136 changes are quite materially significant and may require bespoke Grid Code changes. As part of this mode the Workgroup will need to consider what post GC0136 changes can reasonably be accommodated.
- Advise of any other issues relevant to this proposal