

# EU Network Codes



## Energy Networks Association

DCRP Issues and  
Update

9 August 2018

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# Agenda

1. System Operation Guideline
2. Requirement for Generators
3. Demand Connexion Code
4. Other Codes
5. Issues for endorsement

- European NRAs are asking for modifications to the draft KORRR
- We believe, although have no details, that some of the GB concerns will be addressed, although the biggest issues overall relates to details which do not appear to be particularly relevant in GB
- We can expect to see another version of KORRR issued by ENTSO-e in August
  
- GC0104 Joint Consultation closed on 27 April
- Responses to the consultation generally supportive with little implications/alterations to the approach in the workgroup consultation
- However SSE Generation have raised 3 Workgroup Consultation Alternative Grid Code Modifications
- The GCRP have instructed the WG not to develop WAGCM1 (and hence WAGCM3 as it is an amalgam of WAGCM1 and WAGCM2)

- WAGCM2 requires parity of data requirements from generators wherever they are connected in GB – ie unwinding the regional differences on data that exist because of the regional differences in the definition of Large, Medium and Small
- Whilst this is desirable and should be a relatively short/medium term aim, most stakeholders are uncomfortable about this WAGCM
  - It is complicated (in drafting terms) to deal with data alone, whilst leaving other LMS distinctions in place
  - The proposer of WAGCM2 has raised a separate modification, GC0117, to deal with the other aspects of LMS related to connexion issues
  - Removing LMS for data will almost certainly impose new data requirements (implemented via D Code changes) and costs on existing generators in England and Wales (and likely in the South of Scotland) – which are not strictly necessary simply for SOGL compliance
  - There needs to be a decision on whether to pick the SHETL, SSE, or E&W data requirements, or data requirements that are appropriate to GB, all of which have different implications for stakeholders
  - If this WAGCM2 is to be implemented, it seems extremely unlikely that this can be achieved by SOGL compliance date of March 2019

- GC0110 consultation (LFSM-O clarification) closed on 27 July. 2 responses have been received and are currently being discussed with National Grid. The GCRP consultation closed on 6 August. The DCRP responses are not thought likely to require any significant amendments to the G99 text before submission to the Authority.
- Fast Track Storage – DNOs recommend making these changes as soon as possible to G98 and G99 – see separate paper
- Storage is excluded from the RfG, and therefore RfG requirements are excluded from G99. National Grid would like this to be revisited now, as there is no logical reason for this exclusion, and is depriving the system of frequency response and fault ride through that is valuable to the GB system. Discussions between NG and the DNOs are at an early stage on how to progress this
- The ENA has written an open letter to possible providers of Equipment Certificates seeking advice for how such a regime could be implemented for GB. Closing date is 31/8; no helpful responses yet received
- Other likely modifications to G99 (and G98):
  - GC0111 Fast Fault Current Injection drafting clarification – in progress – is only clarity of drafting so not likely to be material
  - Subtle and historic minor differences between inverter and synchronous type testing requirements for interface protection to be aligned – again not really material
  - Other minor issues that are emerging now stakeholders are starting to put G99 into use – the intention will be to bundle these up into a housekeeping modification in the late autumn post the fast track storage modification

- Final consultation issued 17 May; closed 08 June
- Only two comments (WPD and Northern Powergrid)
  - Both supportive
  - WPD has made sensible suggestion for combination of DSR1 and DSR2 proformas – draft now circulated to DNOs, but not on the critical path as not formally part of the governed documents
- Comments on Grid Code consultation equally sparse and generally supportive
- Changes were submitted to Ofgem on 25 June; Ofgem are forecasting a decision on the Grid Code changes on 30 July and the Distribution Code changes on 3 August

- National Grid have led a code mapping session on 11 May, and it is anticipated that NG will organize another session in the near future
- NG are leading the necessary development of a System Defence Plan and a System Restoration Plan – which are needed to be in place by the end of the 2018
- It is likely that there will be some consequential amendments to the Distribution Code – particularly DOC 6 and DOC 9 (and the Grid Code) to accommodate these plans
- There are new requirements in the E&R Code for all storage installations, both new and existing, in terms of how storage responds to falling frequency – it is possible that these requirements will need to be incorporated into all of G59, G83, G98, G99
- National Grid have been asked by the GCRP to explain how these changes will be implemented

- The DCRP is invited to note:
  - The likely impacts on distribution connected parties of GC0106 WAGCM2
  - The implications of the E&R code on Distribution Code documents – and possible future modifications to accommodate this code