

Gents

Below is my DAR from the Grid Code Review Panel meeting. Key points to note include:

- The lack of transparency of the requirements in the Grid Code that Energy Storage systems need to comply with is becoming an increasing issue. There are probably DCode issues as well although this hasn't been raised at DCRP yet, but the proposal at the moment is to establish a joint GCRP and DCRP WG. There may be some overlap with the ENA DG Technical Forum. Should be raised at DCRP.
- There was a further debate on the Relevant Electrical Standards (RES) and whether there should be common standards not just in terms of connection to the Transmission System (i.e. the 275kV NG system in England & Wales and the 132kV system in Scotland) but also for connections to the 132kV Distribution System as this would be easier for developers of larger generation installations. The focus so far has been on connections to the TO systems, but there was mention of the 12 DNOs also coming up with common set of plant standards. This would be a DCRP issue. This was discussed at the GCode Development Forum and should be discussed further at ITCG/DCRP
- NGET is looking to rename the Notification Insufficient Sufficiency Margin (NISM) warning to System Margin Notice primarily to try to minimise the risk of warnings being misinterpreted by the press.
- This is a discussion on NGETs thought on using OC6.7.1 Emergency Instructions to turn DG generators off. A development to watch out for.

Other interesting snippets highlighted in yellow

Regards Alan

Attendees:

Alan Creighton	Northern Powergrid
Campbell McDonald	SSE Generation
Graham Stein	NG
Guy Phillips	Uniper
Rob Longdon	Cornwall Energy
Alastair Frew	SP
Andy Voden	EdF
Richard Woodward	NG
Tom McCartney	SONI
Ryan Place	NG
Nick Ruben	Exelon

Graham Stein	NG
Tim Truscott	NG Operation
Gordon Kelly	SP Energy Networks
Graeme Vincent	SPT
John Norbury	RWE
Rob Wilson	NG
Roddy Wilson	SSE
Franklin Roderick	NG
Xiaoyao Zhou	NG
Guy Nicholson	Element Power
Jim Barbour	SHETL
Phil Jenner	Horizon
Plus others	

Apologies:

Sigrid Bolik	Senergy Econnect
Richard Lowe	SHETL
Martin Queen	Ofgem
Steve Cox	ENW
Richard Lavender	Customer Connections

Issue	Paper No:	Summary	Proposed Next Steps		
			What	Who	When
1 Welcomes		<ul style="list-style-type: none"> Rob Wilson is the interim chair ? Shar is the new Ofgem member 			
2 Minutes	Pp16-35 Pp16-35	<ul style="list-style-type: none"> Some comments had been received and accepted. 			
3 Actions	Pp16-36	<ul style="list-style-type: none"> All RES Actions – will be picked up on the RES paper. Concern that members don't always have chance to receive / read late papers. NG agreed that in future any late papers would be circulated by email. 			

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		<ul style="list-style-type: none"> 4340 TSOG - On agenda 4343 GC0087 ToR. Complete and yet to be circulated (published, but still to be signed off by the DCRP) 4363 Progress Tracker- On agenda 4257 GC0087 Title See above 4318 Update on Power Available - On agenda 4352 RfG Type C & D and BSC participation 4300 EBS On agenda 			
4 New GC developments Storage	Paper presented at GCDF as Issues forum	<ul style="list-style-type: none"> Increasing number of connection requests for storage – NGET EFR (Emergency Frequency Response) tenders has raised a concern about the lack of defined technical requirements for energy storage presently in the GCode Storage not covered by different licencing arrangements e.g. generation licence. Seems to be general agreement that there needs to be some technical rules to be developed – but there is also a need to clarify the licencing requirement and what would bind an Energy Storage User to comply with GCode, DCode, CUSC, DCUSA, BSC etc. Energy Storage is not included in RfG At the moment the technical requirements are included in individual BCAs and NG would bind a Storage site to the GCode via the BCA. The intention of the proposal is really provide consistency / transparency across all the current offers / applications rather than being in individual BCAs Issues <ul style="list-style-type: none"> lack of codified clarity Lack of defined data set required e.g. Planning Code / Data Registration Code etc. The proposal is to set up a joint DCRP and GCRP. Needs to be tabled at the DCRP, there could be a need for the DCode to be changed to cover the same issues. The solution may be simply to map the CCs in the existing GCode to clarify which apply to different types of storage. The planning data / DRC data may be need to be specific for each 			

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		<p>technology.</p> <ul style="list-style-type: none"> Agreed to hold a one off workshop to provide clarity and scope / ToR of a potential WG – probably needs to include DNOs as well. Energy Storage is being discussed in the ENA DG Technical Forum (DVK). It would be interesting to know what connection arrangements / connection terms DNOs include in Energy Storage connection offers being made at the moment. 			
4 New GC developments NISM	Pp16-37	<ul style="list-style-type: none"> Proposal <ul style="list-style-type: none"> Notification Insufficient Sufficiency Margin (NISM) to be renamed to System Margin Notice OC7 and BC1 both refer a NISM Demand Control notifications to remain unchanged. Concern that NISMs could be open to misinterpretation by the media; the intention is to select a name that better reflects the situation. GCRP concerned that there isn't really a defect (from a GC perspective) as the market responded properly to the recent NISM (i.e. a message to generators to provide more export to the transmission system) Some concern that changing the name from NISM to System Margin Notice – Electricity could cause some confusion within the generator / BM market community; the change isn't without technical risk. OC7 will probably need to be reviewed in light of changes to the Capacity Market Warnings – some concern that it would be better to update OC7 first. It does seem like there is some interaction / potential confusion between warnings given under the GCode to Users and under BSC to BM Units. The Capacity Market warnings is aimed at BM units who have a commercial contract aimed at 'reminding' them that they have a contracted obligation to provide energy. Next Steps <ul style="list-style-type: none"> NG to document GCRP discussion, including the reservations that the GCRP has on simply changing a name to a well understood process. NG to confirm with DECC that they are comfortable with the proposed GCRP 			

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		consultation			
4 New GC developments RES	Pp16-44	<ul style="list-style-type: none"> Discussed at the April GCDF where there were presentation from the TOs and the Generators Inconsistencies at 132kV at Transmission and Distribution Three solutions developed at GCDF <ul style="list-style-type: none"> Scottish TOs align with NGET RES. SHETL are generally Ok with this, but SPT are reluctant Create set of core standards for Transmission at Core standards owned by the ENA who would look after the standards. NG indicated that this had been discussed with ENA – but I suspect that further discussion would be required re this option. Proposal is to arrange a joint GCRP and DCRP WG to develop a consistent set of connection standards (RES) standards for both transmission and distribution connections. AMC explained the ownership boundary for a 132kV connection to a NGET busbar is the busbar clamps (so RES applies to a generator) whereas for a 132kV connection to a DNO busbar the ownership boundary is at the outgoing terminals of the metering circuit breaker so the RES applies to the DNOs plant not the generator. Hence it's not immediately clear whether there is a 132kV issue for DNO connections. Agreed that the commercial differences would need to be discussed before setting up a joint WG rather than afterwards - in case the DNOs aren't included in scope Agreed that the GCRP members should provide comments which NG would use to update the paper including the commercial differences. This would then be discussed at the DCRP. AMC made the point that the possibility of ENA governing the RES / 'new RES' would need to be discussed with ENA before the DCRP on 2 June 2016 NGET to clarify if the SO requirements e.g. telephone, EDL are to be included in addition to the TO 'plant' type requirements that are covered off by the RfG so that the implications and possibly those from TSOG might need to be captured somewhere. Next Steps <ul style="list-style-type: none"> NGET to draft ToR for the WG to be presented at the next GCRP 			

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		Outstanding RES Updates <ul style="list-style-type: none"> Two of the three outstanding documents are in the process of being finalised. One of these documents relates to substations safety and won't be changed. Interlocking RES – changes have been proposed by the TO <ul style="list-style-type: none"> Remove requirements for some of the details of the interlocking scheme The updated version will be circulated round the panel for the normal 20day consultation process TS1 General Requirements RES is still under review VTs and Voltage dividers have been round the consultation document and comments had been received which are still under review by NG One document needs to be withdrawn as the technical content is included in an earlier RES changed document that has been published. This will be progressed via the normal 20 day change process. 			
5 Existing Grid Code Development Issues		None			
6 Workgroups in Progress a) GC0079: Frequency Changes during large disturbances (ROCOF)		<ul style="list-style-type: none"> WG report being drafted, probably ready for the GCRP after next Funding the 1-5MW generator changes is being discussed in the WG and at TCMF 			
6 Workgroups in Progress b) GC0087: Frequency Aspects of RfG		<ul style="list-style-type: none"> Meeting to be arranged in June RfG LFSM- U [parameters being considered that deliver value and co-ordinated with present frequent response arrangements RoCoF withstand discussion started Aiming for final conclusion to feed into GC0048 in November 			

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6 Workgroups in Progress c) GC0090: HVDC		<ul style="list-style-type: none"> FRT affects fast current injection from HVDC and RfG Power Park Modules Next meeting 1 June 2016 			
7 Workgroup Reports		<ul style="list-style-type: none"> None 			
8 Industry Consultations GC0048 Banding		<ul style="list-style-type: none"> 15 responses received, but not assessed yet 			
8 Industry Consultations GC0077: Subsynchronous resonance		<ul style="list-style-type: none"> 5 Responses to the consultation 4 supportive 1 raised additional concerns Not an issue for DNOs Next Steps <ul style="list-style-type: none"> Seek agreement of SQSS RP Draft the Report to the Authority 			
8 Industry Consultations GC0092: Using NG models for System Planning		<ul style="list-style-type: none"> UKPN are looking for access to NG modelling data so that they can model the interaction of two GSPs, 700MW of embedded generation (another 100MW more) and their own interconnected 132kV network. GCode consultation issues to clarify that data from NGET can be used in 'planning' timescales as well as 'operational' timescales. Feedback <ul style="list-style-type: none"> There are other references to operational data used for planning data that would be included WPD would like the information to be made available on a CIM (Common Interface Methodology) Next Steps <ul style="list-style-type: none"> NG to refine the report based on the limited feedback and recalculate for comment NG to submit Report to the Authority 			
9 Reports to Authority		<ul style="list-style-type: none"> None 			

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10 Progress Tracker	Pp16-38	<ul style="list-style-type: none"> OK 			
11 Pending Authority Decisions GC0062 FTR		<ul style="list-style-type: none"> Report submitted on 15 April, NG taking these comments onto account and returned to Ofgem Ofgem decision expected within KPI timescales 			
11 Pending Authority Decisions GC0075 Hybrid Static Compensators		<ul style="list-style-type: none"> Approved on 10 May 			
11 Pending Authority Decisions GC0086 Open Governance		<ul style="list-style-type: none"> Report sent back by Ofgem for NGET to incorporate the changes in line with the Phase Three Code Governance Review that was published in March. Probably August 2016 before the Report would be ready to be resubmitted to Ofgem following Licence Changes. Probably that an Authority Decision will interact with the timescales with elections that generally take place in November each year. 			
12 Standing Items a) European Network Codes Note b) Joint European Stakeholder Group Note c) Grid Code Development Forum	pp16/39 pp16/40 pp16/41	<ul style="list-style-type: none"> Not discussed Next GCDF on 9 June <ul style="list-style-type: none"> Disconnecting embedded generation. This is a discussion on NGETs thought on using OC6.7.1 Emergency Instructions to turn generators off. DSR 			
13 Impact of Other Code Modification or Developments a) Codes Summary	pp16/42	<ul style="list-style-type: none"> Not discussed 			
14 AOB CMA/Code Governance Review 3	pp16/43 Abid Sheike (Ofgem)	<ul style="list-style-type: none"> Implementation this summer builds on the previous Code Governance reviews <ul style="list-style-type: none"> Self Governance Sig Code Review Code Administration 			

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		<ul style="list-style-type: none"> ○ Charging Methodology • Present consultation on Licence Changes – closes on 7 June • Changes may be required to codes by March 2017 – Ofgem looking for Code Administrators to do this • CMA Code Governance Proposals <ul style="list-style-type: none"> ○ CMA have a lot of recommendations to address the adverse the impact the present governance arrangements have on development and innovation ○ CMA have published a 'minded to' view, with the final report envisaged during the summer ○ Changes include <ul style="list-style-type: none"> ▪ New legislation ▪ Licences for Code Administrators ▪ Significant amendment to codes ▪ New 'strategic modification processes to implement DECC strategy ○ Ofgem to provide more strategic guidance ○ Competition when appointing Code Administrator service ○ Poss consolidation of Codes ○ 			
14 AOB EBS		<ul style="list-style-type: none"> • Electricity Balancing Systems – programme to update NG internal systems what have quite a large impact on generator users • Programme been running for >5 years • Not an issue for DNOs, but the Generators did seem to have serious concerns about the implications in the power stations control room. 			
14 AOB TSOG Update		<ul style="list-style-type: none"> • MK been attending TSOG Code mapping meetings • Possible implications for CUSC, STC and SQSS • Proposal is for a GCRP WG • Next Steps <ul style="list-style-type: none"> ○ NG to draft an Issue Paper 			

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14 AOB Power available		<ul style="list-style-type: none">Follow-on from GC0063 to look at real time data from windfarmOnly a requirement from BM units commissioned after 1 April 2016Some good information is being obtained from the London ArrayNot an Issue for DNOs			
15 Next Meeting		<ul style="list-style-type: none">Wednesday 20 JulyWednesday 21 SeptemberWednesday 16 November			