

Code Administrator Meeting Summary

GC0156: Implementation of the Electricity System Restoration Standard Workgroup 3

Date: 16 June 2022

Contact Details

Chair: Banke John-Okwesa, National Grid ESO banke.john-okwesa@nationalgrideso.com

Proposer: Sade Adenola, National Grid ESO sade.adenola@nationalgrideso.com

Key areas of discussion

The Workgroup discussions are summarised according to agenda item:

ESO Updates from Actions

- **Action 9: Clarification of the definition of 'Electricity Demand'**

As they are aware of the importance of the definition to the GC0156 Workgroup, BEIS are expected to provide the definition of 'Electricity Demand' within the next couple of weeks.

- **Action 11: Restoration Overview**

MJ talked through a high-level overview of the Electricity Supply Restoration Standard, the Workgroup discussed the need for builds on the overview as the GC0156 modification work progresses to make it reflective of the expected end process; including the time between the incident happening and the initial communication as of the Local Joint Restoration Plans (LJRPs) and ensuring that there are clear obligations/ instructions for the involved parties (both contracted and non-contracted).

- **Action 12: Definition of Anchor Generator**

Concerns were raised that parties could be discriminated against in tendering processes until the definition is confirmed, TJ recognised this and is working to resolve for future tendering processes.

Agree on Terms of Reference

The Workgroup agreed the Terms of Reference which will be presented to the Grid Code Review Panel for approval, key discussions were:

- Title change to “GC0156: Combined Grid Code/ Distribution Code Workgroup- Facilitating the implementation of Electricity System Restoration Standard” would better reflect the purpose of the modification.
- Including the unambiguous requirements so that the Workgroup will be able to make an assessment as to whether the end solution will be effective based on the size of regions/ demands etc.
- Including considering the impact of Fault Ride Through events, the focus of the modification is to resolve all situations but there are specific obligations which should be considered

Additionally, whilst the Distribution Code does not have the same process for code modifications, DCRP/MP/22/02 has been raised to show the joint work by the GC0156 modification. This will go towards making sure that users are aware of the changes, although it is not expected that there will be anything mandatory for those not covered by the Grid Code.

Updates on GC0148 and Distributed Restart

TJ talked through the slide pack which was circulated within papers, and it was highlighted that Offshore, although flagged internally by the ESO, was a tool which was not discussed but is impacted, and some of the Grid Code requirement for restoration will need regulatory changes. It was also mentioned to be mindful that interconnectors might not be able to play a part of restoration.

When discussing the ‘Automation of Restoration Process’ TJ confirmed that draft legal text doesn’t currently include any timescales but automation is believed to be very quick, and specifics like this are more likely to be built into individual LJRP’s than to become codified.

Concerns were raised that whilst providers with LJRP’s and DRZPs in place, circa 5%, will have a strategic plan to follow and therefore will be up and running within a couple of hours this might not equate to the required 60% demand if the remaining 95% do not have a robust plan to follow. And that understanding the split on the regional basis would show what is potentially needed from the non-contracted providers.

TJ stated that the assumptions and simulations for restoration and restart were based on the 95% not having a plan; the Workgroup recommended that the ESO should use industry to validate their assumptions by running operational insight sessions (previously run pre-COVID) as there would be learnings from recent storm outages and other scenarios which the ESO might not have taken into account e.g. the impact of SMART technology as communication sites gain power.

Next steps from ESRS Recommendations

SA confirmed that the Workgroup would generate the legal text off the recommendations of the sub-groups; and that as the recommendations themselves had been distributed previously the focus would be the setup of the sub-groups who will investigate and assess issues and concerns within specified areas.

This was met with concern as several Workgroup members were not satisfied that the sub-group Terms of References’ were robust enough; had the perception that the NGESO believed that the Grid Code had wide reaching obligations for providers; had concerns around the assumptions made by consultants around the ability to hit demand within the restoration standard and a dispute that the Technology and Locational Diversity workstream was intended to move over to GC0156 as it is not on the list of sub-groups.

Due to time constraints, it was agreed that sub-group nominations and a revision of the draft sub-group Terms of Reference would be gathered offline but more details around the expectations of the sub-groups will be discussed at the next meeting.

Next Steps

The Chair advised that the next meeting (Workgroup 4) would be held on 14 July 2022, the agenda will include:

- the outstanding queries around the tendering process
- finalising the function and outputs of the sub-groups

The Workgroup were asked to provide comments on the sub-group draft Terms of Reference by 24 June 2022 so that it can be revised and updated and circulated along with the Workgroup papers for the next meeting.

Actions

For the full action log, [click here](#).

Action Number	Workgroup raised	Owner	Action	Comment	Due by	Status
5	WG1	NGESO	To produce a clear requirement of what is required from this workgroup in terms of objectives		WG2	Closed
7	WG1	Workgroup	For all workgroup members to review the Terms of Reference and bring any further suggestions to the next workgroup meeting		WG2	Closed
8	WG2	Code Admin	Workgroups meetings to be rescheduled to 13:00-16:30 on the days presented on the timeline		20/05/22	Closed
9	WG2	SA	SA to provide clarity from BEIS on their definition of ‘electricity demand’		WG3	Open
10	WG2	SA	SA to share the finalised Workgroup ToR with ESRS Steering Group and feedback comments post Workgroup 3		WG4	Open
11	WG2	NGESO	Request for pictorial representation of the wider restoration strategy including how DRZP and LJRP work together and the practical expectations		WG3	Closed

12	WG2	TJ	Look at definition of anchor generator as it will be used in tendering document	WG3	Open
13	WG2	NGESO	Highlight recommendations from the ESRS Workgroup reports	WG3	Closed
14	WG3	BJO	Update Terms of Reference with agreed amends	WG4	Open
15	WG3	DNO Workgroup Members	Provide feedback/learnings from the impact of recent storms	WG4	Open
16	WG3	Workgroup Members	Provide feedback on Subgroup Terms of Reference	24 th June	Open
17	WG3	MK	Update on linked Distribution Code Modification	WG4	Open
18	WG3	PM	Provide ESO with capability of offshore generation and offshore networks to contribute to restoration	WG4	Open

Attendees

Name	Initial	Company	Role
Banke John-Okwesa	BJO	NGESO	Chair
Milly Lewis	ML	NGESO	Tech Secretary
Sade Adenola	SA	NGESO	Proposer
Tony Johnson	TJ	NGESO	Proposer
Alan Creighton	AC	Northern Powergrid	Workgroup member (Alternate)
Andrew Causley	ACau	Western Power Distribution	Workgroup member (Alternate)
Alastair Frew	AF	Drax Power Station	Workgroup member
Andrew Larkins	AL	Sygensys	Observer
Andrew McLeod	AML	Northern Powergrid	Workgroup member
Abdi Osman	AO	National Grid Ventures	Workgroup member (Alternate)
Andrew Vaudin	AV	EDF	Workgroup member
Bill D'Albertanson	BDA	UKPN	Workgroup Member
Brian Morrissey	BM	SSE	Workgroup member
Cefin Parry	CP	Northern Powergrid	Workgroup member (Alternate)
Dozie Nnabuife	DN	NGESO	Workgroup member
Eva Shamu	ES	NGESO	Observer
Gavin Anderson	GA	Electricity North West Ltd	Workgroup member (Alternate)
Garth Graham	GG	SSE	Workgroup member
Grace March	GM	Sembcorp	Workgroup member
Graz Macdonald	GMac	Waters Wye	Workgroup member
Graeme Vincent	GV	SP Energy Networks	Workgroup member
Howard Downey	HD	SP Energy Networks	Workgroup member
Mark Holland	MH	SSE	Observer
Mark Jones	MJ	NGESO	Observer
Mike Kay	MK		Observer
Michelle MacDonald	MMD	SSE	Workgroup member

Neha Gupta	NG	NGESO	Observer
Nikhil Singh	NS	NGET	Workgroup member
Neil Sandison	NSan	SSE	Observer
Peter Couch	PC	Joint Radio Company Ltd.	Workgroup member
Robert Longden	RL	Eneco Energy Trade BV	Workgroup member
Ross Strachan	RStrac	Scottish Power	Workgroup member (Alternate)
Priyanka Mohapatra	SSE	Scottish Power	Workgroup member
Tolu Esan	TE	Electricity North West Ltd	Workgroup member (Alternate)