

Code Administrator Meeting Summary

Meeting name: GC0155 Clarification of Fault Ride Through Technical Requirements - Workgroup Meeting 11

Date: 25/07/2023

Contact Details

Chair: Milly Lewis, National Grid ESO Milly.Lewis@nationalgrideso.com

Proposer: Terry Baldwin, National Grid ESO Terry.Baldwin@nationalgrideso.com

Key areas of discussion

The Chair provided an introduction and outlined the objectives of the Workgroup.

Review of Actions Log

The Workgroup reviewed open actions and discussed the following:

- The Workgroup agreed that action 29 should remain open. BA requested further clarification from the Workgroup on this request. Workgroup members provided clarity and agreed that this should sit with BA and that further discussion was needed before feeding back to the Workgroup.
- BA confirmed that action 39 is ongoing.
- It was agreed that action 43 should remain open with Workgroup members needing further clarity on interpretation from Ofgem overvoltage. Workgroup members provided clarity on the detail is required.
- TB agreed that further work was required for action 44 and that this should remain open.
- The Workgroup agreed that action 45 should remain open and be transferred to the Authority.
- It was agreed that Action 41 and 42 should be closed.

Review Timeline

- The Workgroup initially agreed that the timeline should remain as it is but later acknowledged that the Workgroup consultation may need to be moved to a later date.

Alternative 2

TB presented to the Workgroup the proposed alternative (2). TB Informed the Workgroup that proposed alternative (2) solution is to progress the original GC0155 solution but to delete any reference to, and requirements for, temporary overvoltage. If this proposal is accepted as the solution, then NGESO propose to raise another modification to deal with the temporary overvoltage associated with transmission faults.

- Workgroup members questioned what would happen in the interim whilst the new modification if being raised and If this provision could be added to the alternative.
- Some Workgroup members suggested that it may be necessary to get a legal view from Ofgem in order to proceed and that this view should be Included within the alternative.
- The Workgroup considered the risk of TOV. One Workgroup member expressed concern over the risk to the Scottish Network. Another Workgroup member suggested that this was managed through compliance in the UK and that the alternative should include TOV.

- One Workgroup member expressed concern that the Workgroup had not reached an agreement on the position and without this it was not possible to consider what was or was not possible. Concern was also expressed that the system was not designed to for 1.4pu fault ride through and where accountability would sit if there was a big incident on the system.
- The proposer acknowledged these concerns but stated that there would be a level of investment required at some point in the future and that most plant is able to operate at the suggested levels. The proposer expressed that by being too risk adverse it would not be possible to reach an agreement on numbers.
- The Workgroup member responded that this was not about being risk adverse but was around not being able to procure equipment that NGESO has suggested. Additionally, if this was imposed retrospectively it would not just be cost prohibitive but there would be a requirement to assess the risk.

Workgroup Alternate Request Vote

- The Workgroup voted by majority against alternative 2, however the Chair chose to save it on the basis that several Workgroup members would like to get Ofgem's legal view before fully considering it
- The Workgroup agreed that further work is required on the legal text. **Action:** BA to share the most up to date version with the Workgroup

Review Draft Workgroup Consultation

The Workgroup went on to review the Draft Workgroup Consultation document.

Next Steps

- Provide updated timeline to allow further work required

Actions

Action number	Workgroup Raised	Owner	Action	Due by	Status
29	WG7	BA	To have a conversation offline on understand GEP parameters.	WG8	Open
30	WG7	CB	To share with the Workgroup to network design equipment requirements from SPN	WG9	Closed in WG9
35	WG7	BA	To check with the compliance team what checks they do in a FRT scenario	WG9	Closed in WG9
36	WG7	JF	To provide where the document for ENTSO-E and clause has come from	WG8	Closed in WG9
37	WG8	JF	Arrange meeting with developers and manufacturers	WG9	Closed in WG9
38	WG8	BA	Discuss WG3 Legal Text draft with AF	WG9	Closed in WG9
39	WG8	BA	Discuss CC.6.1.11 with TOs and manufactures and feedback to WG with strawman	WG9	Open
40	WG8	ALL	Provide feedback on CC.6.3.15.1 on draft legal text	WG9	Closed in WG9
41	WG9	BA	WG member questioned the defined terms and if voltage control was defined. Please consider	WG10	Closed
42	WG9	PM	Update WAGM and send to ML	WG10	Closed
43	WG10	ML	Contact Ofgem Rep to gain Legal view on overvoltage	WG11	Closed
44	WG10	TB	Query with ESO if this is STC or GC issue	WG11	Open
45	WG10	Ofgem	Check with Legal if CRM should be put in place if applying retrospectively	WG11	Open
46	WG11	BA	BA to share most up to date legal text	WG12	Open
47	WG11	SS	Come back with feedback on action 43	Early August 2023	Open

Attendees

Name	Initial	Company	Role
Milly Lewis	ML	National Grid ESO	Chair
Terri Puddefoot	TP	National Grid ESO	Technical secretary
Terry Baldwin	TB	National Grid ESO	Proposer
Shilen Shah	SS	Ofgem	Authority Rep
Bieshoy Awad	BA	National Grid ESO	Workgroup member
Alan Mason	AM	Oceanwinds	Workgroup member
Alastair Frew	AF	Drax	Workgroup member
Forooz Ghassemi	FG	NGET	Workgroup member
Fiona Williams	FW	National Grid ESO	
Fraser Norris	FN	SSE	Workgroup member
John Fradley	JF	National Grid ESO	Workgroup member
Martin Aten	MA	Uniper	Workgroup member
Mike Kay	MK	P2Analysis	Workgroup member
Nicola Barberis Negra	NBN	Orsted	Workgroup member
Priyanka Mohapatra	PM	Scottish Power	Workgroup member Alternate
Tim Ellingham	TE	RWE	Workgroup member
Owen Curran	OC	Siemens	Observer
Cornel Brozio	CB	SP Energy Networks	Observer