

Code Administrator Meeting Summary

Meeting name: GC0162: Changes to OC6 to amend the operational timings for the delivery of the additional demand reduction above 20% – Workgroup Meeting 2

Date: 22/08/2023

Contact Details

Chair: Lizzie Timmins, National Grid ESO elizabeth.timmins@nationalgrideso.com

Proposer: Usman Farooq, National Grid ESO usman.farooq@nationalgrideso.com

Key areas of discussion

The aim of Workgroup 2 was to refine the solution and legal text.

Objectives, Actions Update, Timeline and Terms of Reference

The Chair outlined the objectives for the meeting and confirmed that the Workgroup Consultation draft would be circulated to the Workgroup prior to the next meeting. The Chair confirmed that the amended Terms of Reference had been submitted as part of the August 2023 Grid Code Review Panel papers, and that an update would be presented to the Workgroup at Workgroup 3, following the Grid Code Review Panel meeting on 24 August 2023.

All actions were reviewed, and updates can be viewed in the actions log below.

Draft Legal Text, Worked Example and Scenarios

The Proposer presented an example of operational timings for Demand disconnection between 20% and 40%, and presented further scenarios for review by the Workgroup that addressed how multiple instructions from the ESO to DNOs may be initiated.

The Workgroup agreed that concurrent instructions could not be feasibly implemented by DNOs alongside existing instructions, and that if multiple instructions were required, that they should be sequential. The ESO confirmed that they would aim to minimise the number of instructions, with one instruction being their preferred option, unless there were operational changes requiring further Demand reduction.

The Proposer presented several scenarios for where OC6.5.4 and OC6.5.5 may need to be utilised. These were discussed by the Workgroup and it was noted that the use of OC6.5.4 and OC6.5.5 would be reliant on a National Electricity Transmission System Warning - High Risk of Demand Reduction notification by 16:00 hours the day prior. The ESO confirmed that they may request DNOs to reduce Demand in a situation where this is required without the NETS warning, however DNOs will not be obligated to reduce Demand or to protect critical sites in this scenario.

The Proposer presented proposed changes to the legal text in OC6.1.5 where 3(a) is proposed to be deleted to allow for reference to the whole of OC6.5. The Workgroup agreed with these changes.

The legal text in OC6.5.4(b) was then reviewed, to ensure the legal text was in line with operational scenarios. Several Workgroup members queried whether the clause ‘measured at the time the Demand reduction is required’ could be removed throughout OC6 for consistency, and the Proposer agreed to look into any unintended consequences of this.

The Proposer presented the proposed amendments to OC6.5.5(c). One Workgroup member highlighted the need for the first 20% of Demand Disconnection, to refer to up to 20%, in the case that DNOs are utilising Voltage Reduction stages. Another Workgroup member queried whether there would be operational issues for the ESO if Demand reduction above 20% was completed much quicker than the 5 minutes allowed for each 5% (e.g. completion of a further 15% of Demand in 6 minutes, rather than the 15 minutes allowed). The ESO agreed to investigate this with the control room.

Several Workgroup members queried whether DNOs would be at risk if they were to disconnect protected sites if not operationally feasible to protect them. The Workgroup discussed that the GC0161 legal text had provision for this, and that site protection was not guaranteed.

Cross Code Impacts

The Chair shared the proposed legal text for Distribution Code modification DCRP/23/03/PC (changes to the Distribution Code as a result of GC0161). The Workgroup agreed that no changes to the Distribution Code would be anticipated as a result of GC0162.

The Chair shared information regarding potential GC0117 impacts with the Workgroup. Several Workgroup members highlighted that they would not disconnect Power Stations where operationally feasible, and that most Power Stations above 10MW would be protected anyway, since GC0162 covers switching at 11kV.

Next Steps

The chair summarised the next steps as follows:

- Workgroup Consultation draft to be circulated for review.
- The Chair asked the Workgroup to think of Specific Workgroup Consultation questions ahead of the next Workgroup meeting.

Actions

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
1	WG1	JW	Share updated Terms of Reference with GCRP for review	Update will be given following Panel	WG3	Closed
2	WG1	LT	Check on potential implications for GC0117	NA	WG2	Closed

3	WG1	DNOs	Investigate if 5 minutes time for SCADA operational switching is workable	NA	WG2	Closed
4	WG1	LT	Contact ENW and NGED to make them aware of action 3	Awaiting response	WG2	Open
5	WG1	UF	Review draft legal text, potentially removing (3a) from OC6.1.5, amending OC6.5.4(b) and OC6.5.5(c)	NA	WG2	Closed
6	WG1	JZH	Bring a list/table of scenarios to next WG to address Term of Reference K, after further discussion with control room	NA	WG2	Closed
7	WG1	All	Consider scenarios ahead of next WG to address Term of Reference K	NA	WG2	Closed
8	WG1	MK/LT	Circulate proposed changes to Distribution Code as a consequence of GC0161	NA	WG2	Closed
9	WG1	UF	To bring a response to GG e-mail regarding consequential and concurrent instructions to WG2	NA	WG2	Closed
10	WG2	UF	Amend legal text to reflect discussions from meeting	NA	WG3	Open
11	WG2	LT/JW	Add discussion from WG2 to Workgroup Consultation and circulate this to Workgroup	NA	WG3	Open
12	WG2	JZH	Confirm with control room whether quicker than anticipated demand reduction would cause operational issues	NA	WG3	Open
13	WG2	JZH	Give feedback on DESNZ review regarding a need for methodology for 4%-6% Demand blocks	NA	WG3	Open
14	WG2	All	Workgroup to start thinking about specific Workgroup Consultation questions	NA	WG3	Open

Attendees

Name	Initial	Company	Role
Lizzie Timmins	LT	Code Administrator, ESO	Chair
Jonathan Whitaker	JW	Code Administrator, ESO	Technical Secretary
Usman Farooq	UF	ESO	Proposer
John Zammit-Haber	JZH	ESO	Proposer

Alastair Frew	AF	Drax	Workgroup Member
Andrew Colley	ACo	SSE plc	Workgroup Member
Andrew McLeod	AM	Northern Powergrid	Workgroup Member
Bill D'Albertenson	BD	UK Power Networks	Alternate
Garth GrahamID	GG	SSE Generation	Alternate
Graeme Vincent	GV	SP Energy Networks	Alternate
Grace March	GM	Sembcorp	Workgroup Member
Mark Ajal	MA	SSE Renewables	Observer
Mike Kay	MK	Energy Networks Association	Alternate
Richard Wilson	RW	UK Power Networks	Workgroup Member
Rob Ballentine	RB	National Grid Electricity Distribution	Alternate