ESO

Code Administrator Meeting Summary

Meeting name: GC0117: Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Stations requirements Meeting 18

Date: 20/07/2023

Contact Details

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

Proposer: Garth Graham, SSE Generation garth.graham@sse.com

Key areas of discussion

The aim of Workgroup 18 was to discuss the additional analysis completed following the original CBA, discuss an update to WAGCM1 and to understand potential BSC impacts of this modification.

Workgroup Objectives and Action Review

The Chair introduced the Workgroup objectives and confirmed quoracy, before proposing to close all open actions.

An update of all actions can be viewed in the actions log below.

BSC Impacts

A Workgroup member delivered a presentation on the potential BSC Impacts of Grid Code Modification GC0117.

One Workgroup member queried whether BEGA assets would need to be registered in CMRS and become BM units, and it was also queried whether the BSC should be changed to reflect this.

One Workgroup member raised that the effect of GC0117 lowers the threshold for aggregation into a BM unit if the BSC is not changed. It was highlighted that Aggregators are not part of this Workgroup, and the Chair took an action to reach out to Aggregators for them to be involved in future Workgroups **(Action: 78)**.

It was highlighted that changes to other industry codes would likely be required as a result of GC0117 and several Workgroup members queried whether these changes would be consequential, or if they would need to be approved in line with GC0117. The Proposer and ESO Representative took an action to investigate this with Ofgem **(Action: 79)**.

WAGCM1 Update and Discussion

An update to WAGCM1, adding provision for DNOs to provide planning timescale data relating to the export from embedded Small (larger than 1MW) AND Medium Power Stations to the ESO to minimise forecasting errors, was presented to the Workgroup for discussion. The proposer of WAGCM1 queried what type of data would be useful for the ESO to minimise demand forecasting errors, and the ESO clarified that real time operational and metering data was important for this, and that more accurate data would enable them to control costs better. Difficulties in demand forecasting were highlighted, and it was clarified that it would also be useful for the ESO to have advance data for strategy planning.

One Workgroup member highlighted that the process for Embedded Large Power Stations down to 10MW exists in North Scotland already, and that lots of embedded generation of this nature has connected since it came into effect in 2005. A Workgroup member agreed to contact SHET Distribution to investigate their current arrangements and their views on the process **(Action: 81)**.

The Chair queried whether any elements of the updated WAGCM1 could be taken on as part of the Original proposal, and the proposer agreed to look into this, together with input from the ESO **(Action: 80)**. One Workgroup member queried what would happen Physical Notifications ended up being incorrect due to DSO network constraints. A representative from the ESO clarified that the penalty for this is currently set at zero within the BSC.

ESO Analysis

A representative from the ESO presented demand analysis with differing levels of wind on the system. They clarified that previously they had focused on summer and winter peak demand, but that this analysis covered minimum demands, focusing on 12 June 2022 where there was a minimum demand of 15GW.

The analysis showed baseline action costs, and compared this to the addition of 3GW, 6GW, 9GW and 12GW of new ‘small’ wind, comparing the current system with the projected effect of the original proposal for GC0117. One Workgroup member queried whether the scenario was static or if it took into account future generation on the NETS, given the current connections queue. It was clarified that the scenario was based on the current system. Overall, the scenarios showed a Wind Action cost saving with the original proposal for GC0117 compared to the current baseline, with a lower proportion of wind BOAd (Bid -Offer Acceptances). However, some of the scenarios showed the system to be inoperable. In this case it was clarified that emergency instruction would be available as a last resort, and one Workgroup member shared that operability of the system would be easier with more parties within the BM. It was queried whether an incentive could be given to generators joining the BM, to give them more protection in scenarios of demand disconnection. This was deemed to be out of the scope of this modification.

AOB

It was suggested that any analysis completed should be the same for the Original and WAGCM1, and that the original CBA and additional ESO analysis could be used for this. One Workgroup member queried this, and stated that within the CBA, no benefit is shown with provision of planning data and that this should be included. A representative from the ESO suggested that it would be difficult to do a CBA on the value of data, and that any assessment may have to be qualitative rather than quantitative **(Action: 83)**.

Next Steps

The Chair summarised the next steps as follows:

- Update timeline to add an additional Workgroup in September and keep the August Workgroup as a check-in on actions completed.
- Remove legal text review scheduled for 24 July 2023, as legal text was not discussed at this Workgroup.

Actions

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
70	WG16	DD/DH	Layout what the CBA is seeking to address against the aims of the modification; the costs that will flow from the changes to industry parties	Need to look at the potential number of extra generators falling under the 10MW proposal	ASAP	Open
73	WG17	All	Workgroup to read through the document to ensure this meets the requirement of Action 66	N/A	ASAP	Closed
74	WG17	TJ/DH	To circulate any relevant updates to GC0117 Workgroup post the ESO Compliance Team presentation to the ITCG and DCode Panel taking place on the 1 June 2023.	N/A	ASAP	Closed
75	WG17	DH/TJ/MK/GV	Clarify what exactly is required regarding the CBA analysis and the Ask is to go to the DNO community in relation to capturing the potential additional costs to DNO's	New action raised – action 81	ASAP	Closed
76	WG17	SK/Team	Investigate whether the ESO has the information required to conduct a retrospective CBA if required	Almost impossible to do this with current software systems. Could explore as subsequent mod.	ASAP	Closed
77	WG17	RGA	To follow up with Elexon for representation	JL now part of Workgroup	ASAP	Closed
78	WG18	ML	Reach out to Aggregators for representation on Workgroup	N/A	ASAP	Open
79	WG18	GG/TJ/JL/DH	Discuss with Ofgem whether any consequential modifications need to be presented at the same time as GC0117 or can follow after a decision has been made on the Grid Code modification.	N/A	ASAP	Open

80	WG18	GG	Consider updating Original Proposal to incorporate data requirements	N/A	ASAP	Open
81	WG18	AC	Contact SHET to investigate arrangements and their views	N/A	ASAP	Open
82	WG18	SK	Provide analysis and narrative to the Workgroup	N/A	ASAP	Open
83	WG18	TJ/DH/SK	Investigate whether qualitative analysis could be completed to show whether there are any benefits of the ESO receiving planning data down to 1MW.	N/A	ASAP	Open

Attendees

Name	Initial	Company	Role
Milly Lewis	ML	Code Administrator, ESO	Chair
Lizzie Timmins	LT	Code Administrator, ESO	Tech Sec
Garth Graham	GG	SSE Generation	Proposer
Alan Creighton	AC	Northern Powergrid	Workgroup Member
David Halford	DH	ESO	ESO Representative
Graeme Vincent	GV	SP Energy Networks	Workgroup Member
John Lucas	JL	Elexon	Workgroup Member
Oluwabukola (Bukky) Daniel	DO	EDF	Observer
Paul Youngman	PY	Drax	Workgroup Member
Richard Wilson	RWi	UK Power Networks	Workgroup Member
Richard Woodward	RW	National Grid Electricity Transmission	Workgroup Member
Ross Strachan	RS	Scottish Power Renewables	Alternate
Sundeep Klair	SK	ESO	Presenter
Tim Ellingham	TE	RWE	Workgroup Member
Tony Johnson	TJ	ESO	Workgroup Member
William Ramsay	WR	ESO	Presenter