

Meeting summary

Grid Code Development Forum – 1 May 2024

Date: 01/05/2024 **Location:** MS Teams
Start: 09:00 **End:** 09:45

Participants

Attendee	Company	Attendee	Company
Jamie Webb	National Grid ESO (Chair)	Bukky Daniel	EDF
David Halford	National Grid ESO (Tech Sec)	Nicola Barberis Negra	Orsted
Jesus Sanchez Cortes	National Grid ESO (Presenter)	Harry Burns	EDF Renewables
Jeno Abraham-Kodmon	National Grid ESO (Presenter)	Cahir O'Neill	ESB
Graham Lear	National Grid ESO	Garth Graham	SSE
Gordon Frazer	National Grid ESO	Maryam Begum	Cummins
Ife Garba	National Grid ESO	Chanura Wijerante	RES Group
Hazem Karbouj	National Grid ESO	Loukas Papageorgiou	RWE
Alan Creighton	Northern Powergrid	Leon Burdekin-Roberts	EDF Renewables
Mike Kay	P2 Analysis	Grazina Macdonald	Waters Wye Associates
Julie Richmond	Scottish Power	Paul Crolla	Muirhall Energy
Sean Gauton	Uniper	Ross Strachan	EDF Renewables
Andrew Larkins	Sygensys	Suzanne Law	SSE
Graeme Vincent	SP Energy Networks	Isaac Gutierrez	Scottish Power
Phillip Addison	EDF Renewables		

Agenda and slides

A link to the Agenda and Presentations from the May GCDF can be found [here](#).

GCDF

Please note: These notes are produced as an accompaniment to the slide pack presented and provide highlights only of discussion themes and possible next steps.

Meeting Opening – Jamie Webb (GCDF Chair) & David Halford (GCDF Tech Sec), NGENSO

The meeting was opened, with an overview of the agenda items that will be covered.

Presentation: Data collection from Dynamic System Monitoring (DSM) Systems – Industry Questionnaire Update – Jesus Sanchez Cortes, NGENSO

An update was provided following the presentation at the October 2023 GCDF, in relation to the questionnaire issued by the ESO which sought comments on the proposed new system to access Dynamic System Monitoring (DSM) and Ancillary Services Business Monitoring (ASM) data from generation modules and interconnectors across GB.

Discussion themes / Feedback

It was noted by the ESO that once the technical and business requirements for the System Monitoring tool had been finalised, these would be shared with Industry (either via the GCDF or another appropriate forum), for feedback prior to any potential tender exercise being undertaken.

Of the 19 responses to the questionnaire that were received, do we have a breakdown of the numbers of Generators, Technology Type, Interconnectors etc, as this might help to understand if there are any particular areas that could be reached out to in terms of responses?

The ESO took the action to analysis the responses and provide an overview of the breakdown of respondents –
Action 2401

In relation to the tender exercise that will be carried out by the ESO, it was asked what this tender would be for?

The tender is in relation to creating a tool for the data collection and the analysis of this data which will be used for post-event analysis. There are a number of new technologies available which could provide this facility and the tender will help us to understand these and ultimately ensure the correct solution is utilised.

There were a number of discussions in relation to Users gaining access to data in respect of a significant incidents, and whether the tool will have the functionality of being able to share data between parties.

User data is treated as confidential, but there are occasions when for example, joint investigations are taking place and data would need to be shared between the relevant parties involved in the investigation providing parties give consent for the data can be shared.

In relation to any new tool created, it was asked if cybersecurity standards had been considered in terms of the scenario where the tool might have to connect to external systems that have specific security requirements?

This is a very valid point and something that will need to be considered as part of the tendering process to ensure the relevant security standards are met.

It was asked whether the scope of the Users who are currently obligated to provide this data will change i.e., will these obligations now be imposed on new Users?

There will be no changes to the current obligations documented in the Grid Code or the Users Bilateral Connection Agreement as applicable.

In respect of data confidentiality, a question was asked on whether the ESO has a view on the scope of what should be deemed as confidential? Voltage Waveforms during disturbance events are particularly interesting to Users in respect of the risks to fault ride through, and whether voltage waveforms in these circumstances should be considered as confidential, and made available to Grid Code Users but also academic researchers when trying to understand the performance of the system and helping to improve it which would be very useful?

In general terms, Generator data should be treated as confidential and not shared unless it's as a result of investigation and is required to be published by the ESO.

In terms of voltage waveforms, Grid Code Modification [GC0151](#) includes the requirements for publishing voltage waveforms relating to a fault ride through issue in regards to a known Generation trip during a transmission fault which are published on the [ESO website](#).

A question was raised in relation to an event that took place in December 2023 where frequency came close to operational limits with no voltage waveforms published, which results in challenges for embedded generators to obtain any information related to the event, with no formal report published apart from an overview presented at the Operational Transparency Forum. A few hundred megawatt of embedded generation was lost with no substantial feedback in terms of what the underlying nature of the incident was.

The requirements of GC0151 are that if there is a transmission fault, the voltage waveforms should be published if there is known generation lost as a result of the fault. This event was not a transmission fault with no automatic protection operated, hence why the voltage waveforms were not published, although we acknowledge the feedback in terms of how we can seek to improve transparency in the future whilst also recognising the confidentiality challenges this presents.

It was asked whether Users would be mandated to use any new tool for submission of data, or would this be optional? Would a Grid Code change be required if the use of the tool was mandated?

The purpose of the tool will be enabling the submission of data to be as simple and straightforward as possible so we will encourage Users to utilise the tool, although this will not be mandatory.

It was asked if the published information in relation to December 2023 event could be shared – **Action 2402**

The overview presented at the Operational Transparency Forum can be found [here](#),

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The attendees were reminded of the ESO Spring Markets Forum which is taking place on the 14th May. The event can be attended in person or virtually with details on how to register [here](#)

The dates for the 2024 GCDF sessions are available on the [GCDF webpage](#)

Attendees were reminded that the GCDF can be used by any industry party to present potential Grid Code changes and future agenda items are welcomed.

The Chair thanked the attendees and presenters for their contributions and closed the meeting.

The next GCDF will be held on the 5th June 2024 with the 29th May 2024 being the deadline for agenda items and presentations.

ESO

Action Item Log

Action items: In progress and completed since last meeting.

ID	Agenda Item	Description	Owner	Notes	Target Date	Status
2401	DSM Data Collection	Provide breakdown of respondents to questionnaire in terms of technology type	Jesus Sanchez Cortes		May 2024	Complete
2402	Frequency Event Overview	Please provide the link to the ESO overview of the Frequency Event that took place on the 22 nd December 2023	David Halford		May 2024	Complete