

A nighttime photograph of a city street, likely in London, featuring the Gherkin building illuminated in the background. The street is lit with warm yellow lights, and several people are walking. The image is partially obscured by a white circular graphic on the left side.

# Grid Code OC2 changes for Generator Outage and Availability

## Proposal

# Background on proposal

The current system used by Generators for submitting outage and output useable data is called TOGA . This system is currently reaching the end of its life and is soon to be decommissioned.

Feedback from industry work groups highlighted that Generators no longer want to submit data to TOGA as they are already required to submit higher resolution data under the REMIT obligations.

The Larger Generators already use REMIT though they also need to submit data under TOGA as well to ensure they comply with the current requirements of OC2. There are still however a number of Smaller Generators who submit OC2 data via TOGA alone and are not yet using the REMIT system.

The current OC2 code would therefore require some streamlining to ensure the submitted REMIT data would be compliant with its requirements.

For those Generators who still supply data via TOGA, then any change to OC2 would still mean that they are submitting data which is compliant with of OC2 whilst the advantage is that any Generator who submits data via REMIT and TOGA would, once the proposed changes have been made to OC2, only need to supply data via REMIT.

National Grid ESO will help guide new users and those currently only using TOGA, to REMIT as we would during any system change or upgrade.

# Defects being addressed

- Duplication of data submission under both Grid Code OC2 and REMIT regulation.
- Data latency and inconsistencies between OC2 data and REMIT data causing grid operation and market confusion.
- Simplification and flexibility of submission process. In future (once this change has been approved) Generators will be able to submit data via REMIT channels
- Feedback from the industry is that the current Grid Code OC2 generation section is not used effectively and has not evolved in line with the latest changes to the electricity industry. It also means that as currently written, Generators who submit data by REMIT would also need to submit data via TOGA to remain compliant with OC2.
- The OC2 Zonal generation process is still run which is now out of date and no longer used.
- Data beyond 3 years ahead is very inaccurate and therefore not adding value.
- It is eventually planned to decommission the TOGA System and replace it with REMIT. Changes to OC2 will permit the submission of data via either system without breaching the requirements of the Grid Code.

# The proposal – Grid Code changes

The Grid Code needs to be updated to allow the following:

- To remove the requirement to submit OC2 generator availability and outage submissions in a specific way. As written, OC2 accepts the data in TOGA format but not that submitted under REMIT. Going forward, when this change is made, generator availability and outage submission data could be submitted either via TOGA or REMIT.
- Reduce the availability data requirement from up to 5 years to 3 years as there is less value in the longer-term data beyond 3 years, which is in line with current REMIT data requirements.
- Simplify the OC2 process – daily, weekly and yearly submissions to TOGA are no longer required. Generators will only need to submit data when there is a change to their planned Output Useable values.
- Change the text to allow automation of NRAPM forecasting and publication.
- Remove reference to the OC2 Zonal process.

# Benefits

- Meets the industry feedback to stop duplication.
- Enables the simplification of the submission process
  - Only one system is required for Generators to submit data to.
  - Removes the requirement to submit daily, weekly and yearly data.
  - Only one stream of data is required.
- REMIT data is published more frequently by Generators allowing:
  - National Grid ESO to publish data more accurately and more frequently to the market.
  - Potential to deliver reporting at increased cardinal points to the industry.
- The OPMR will be simplified to more accurately reflect its requirement and provide clarity of its meaning.
- Once the Grid Code change has been made Generator data will be able to be submitted either via REMIT or TOGA and will also enable TOGA to eventually be decommissioned.

# Impact

- No additional data needs be provided, most generators already submit to REMIT.
- The cost impact to the Generator community is negligible as OC2 will be streamlined so that Generators who currently submit data via REMIT will no longer have to submit data via TOGA and for those Generators who submit data via TOGA, they would still be compliant with OC2.
- Even when they eventually transfer to the REMIT platform any cost implications are a result of the decommission of the existing platform rather than a grid code change and will require change to submission process regardless of the mod approval. We can guide them on how do this with our business readiness lead.
- Submitting REMIT data also has benefits and can be achieved manually or through either FTP or API.
- Time lines are for the code to be in before completion of the strategic TOGA project in Q1 2020.