

GSR016 Summary

Recommendations

- All types of generation should be treated consistently in NETS SQSS Section 4 studies – Security and Economy Backgrounds – irrespective of size or type of connection
- In designing and operating the system Transmission Licensees ensure that the criteria that are set out in the SQSS are met by either operational measures or system reinforcements
- There are sufficient criteria in the NETS SQSS to ensure this

Changes to the NETS SQSS

- Change of the NETS SQSS ACS Peak Demand definition
- Removal of all exclusions of Small and Medium Embedded Power Stations from modelling assumptions

Timescales

- Consultation in Dec/Jan 2018
- Submitted to Ofgem – 28 Feb 2018
- Decision likely in April 2018
- Implementation of SQSS update will require licence change

Data Considerations

Standard Planning Data

(current Grid Code requirements)

Grid Code PC.A.2, PC.A.3, PC.A.4, and DRC Schedule 12

- Forecast transmission system demand at the time of the peak transmission system demand, minimum transmission system demand, maintenance period demand, and peak Grid Supply Point demand
- Forecast contribution of embedded Small and Medium Power Stations considered when calculating the forecast demand
- Forecast connection dates and capacity of embedded Small and Medium Power Stations connecting at the Grid Supply Point.

What could help?

- Forecast transmission system demand at the time of the peak total system gross demand, minimum total system gross demand, and peak Grid Supply Point gross demand (so this is actual demand without embedded generation contribution)
- Forecast contribution of embedded Small and Medium Power Stations considered when calculating the forecast demand
- Aggregated capacity of Embedded Small Power Stations with capacity below 1MW, categorised in accordance with generation technologies.
- Data that allows forecasting of the times of peak national gross demand and minimum national gross demand.

Next Steps

- Present at GCDF
- Assess what data is required to allow forecasting of size and time of maximum and minimum gross demand figures
- Work with stakeholders to consider what additional embedded generation data could be required or estimated
- Consider development of a Grid Code modification proposal