

Chapter 8: Grid Code Data

Grid Code Data – 1/3

- Most “Technical Parameters” in the Grid Code are submitted by Participants through the BMI VTOD and VDS Number submissions to the MO (and passed from the MO to the SOs);
- However there are some physical and system data additional to VTOD which are submitted directly to the SOs which can affect the scheduling and operation of units despite not being market data, and not being submitted through BMI;
- Since this training is for the BMI, Grid Code data will not be dealt with in detail, however since it impacts the overall data submission for Participants for the Balancing Market, and affects their balancing market scheduling and dispatch, some core aspects are highlighted in the following slides.

Grid Code Data – 2/3

- Examples of Generator Unit Grid Code data include:
 - Availability Notice:
 - Availability data such as real-time spot availability through EDIL and Interconnector availability;
 - In addition to affecting their real-time dispatch and scheduling, this can also affect a unit's outturn availability in settlement.
 - Technical Parameters Notice:
 - Energy Limited plant can update energy limits directly to TSO up to 11:00 on the Trading Day;
 - Dual Rated Units submit availability declarations for both fuels separately to the TSO.
 - Ancillary Services:
 - Declared capability to provide reserves and reactive power;
 - Reserve decrement rates;
 - Black start capability;
 - Governor droop.
 - Other Operating Characteristics and Registered Data as part of project and connection agreement/operational certificate data:
 - Primary and secondary fuel outputs for dual-rated units;
 - Electrical parameters, e.g. rated stator current, power factor, short circuit characteristics, etc.;
 - Maximum and normal generation and export capacities, auxiliary loads;
 - Information about operating modes and changing fuels.

Grid Code Data – 3/3

- Some data for Interconnectors are also not submitted through BMI:
 - Interconnectors interact with Interconnector Management Platform (ICMP) for transfer capacities;
 - qCMAMAXI for Capacity Market (settlement of Difference Charges) is sourced as Total Transfer Capacity from ICMP:
 - TSC requires this for capacity settlement, to represents what the interconnector asset itself is available to do, without taking other transmission system elements into account.