

Chapter 6: Physical Notification Data

Physical Notification Data – 1/3

- Physical Notifications (PNs) are MW output profiles which act as start point for balancing market operation, pricing, and settlement;
- Submitted PNs need to reflect:
 - The intended output of the unit in the absence of balancing market actions;
 - Physically feasible dispatch according to Technical Offer Data;
 - At GC2, the final net market trade position;
 - For Dispatchable Priority Dispatch units, the output level to which the unit intends for Priority Dispatch to apply.
- Some units may choose to provide PNs but do not have to submit PNs, while some others cannot submit PNs:
 - Suppliers and Non-Dispatchable units do not need to provide PNs, but may provide them only for information to help with the TSOs' forecasting – submitted PNs will not be used in settlement.
 - PNs for Non-Dispatchable Controllable Generator Units (e.g. wind units) used in settlement are taken from their Outturn Availability;
 - Interconnector PNs are created by SOs to reflect ex-ante market cross-border results.

Physical Notification Data – 2/3

- Interconnector PNs are created by SOs to reflect ex-ante market cross-border results:
 - An Interconnector Reference Programme (ICRP) based on latest ex-ante market cross-border results prior to accepting any cross-border SO-SO trades, a minute-by-minute profile reflecting how an interconnector can physically flow, is used as the unit's PND;
 - In calculating this ICRP the objective used is to minimise the difference in volume between the PN curve and the block ex-ante market results;
 - The FPN for interconnectors may be created after GC2, for example if the final cross-border ex-ante market trading has an intraday gate closure which is closer to GC2, meaning that changes to ex-ante market cross-border flow results can happen closer to GC2 while there is still a need to process that block data to form minute-by-minute ICRP profiles – therefore this processing may need to conclude after GC2.

Physical Notification Data – 3/3

- PND format allows units to submit with minute-by-minute resolution:
 - From Time and MW, To Time and MW;
 - Linear interpolation between spot points for most units, 15-minute steps for others.
- An “Under Test Flag” can be submitted with each data entry:
 - This flag allows a unit to indicate it wishes to go under test, with the PN being the test profile to be followed;
 - This is one part of the Unit Under Test process, with steps in advance of this which need to be completed.
- PND can be resubmitted up until GC2 for each Imbalance Settlement Period:
 - The last valid PN submitted becomes the Final Physical Notification (FPN) for pricing and settlement after gate closure.
- If a unit which must submit PND does not submit it such that a value is not available for interpolation between two spot times, a default value of zero is taken.