Testing

Background

- Testing arrangements facilitate both market participant and TSO testing of generators.

- Testing can impact:
  - The market schedule and prices
  - System constraints and Dispatch Balancing Costs
  - All users connected to the system (including priority dispatch)

- Processes for test requests, approvals, market treatment and operational procedures are required to manage these impacts

Existing Testing Categories

1. **Generator Initiated Test – Full Day Test**
   - commissioning
   - return from overhaul

2. **Generator Initiated Test – Within Day Test**
   - holding output for emissions testing
   - AVR / Governor testing

3. **TSO Initiated Test**
   - secondary fuel
   - ancillary services capability
   - availability
   - black start

Summary of Existing Processes

	1. Generator Initiated Full-Day Test	2. Generator Initiated Within-Day Test	3. TSO Initiated Test
Notice Period	In line with Grid Code / T&SC Typically 5 Working Days	In line with Grid Code/T&SC Typically Within Day	In line with Grid Code
SEM Treatment	Generator set to a Price Taker with associated nomination. Under Test in SEM for full day(s)	Not visible in SEM	Not visible in SEM
TSO Dispatch	Generator run in line with agreed testing profile / nomination Additional reserve may be carried.	Test Flag on dispatch instructions. Uninstructed imbalances incurred.	Generator dispatched as required. Constraint payments apply. Additional reserve may be carried.
Testing Tariffs Applicable	Yes - Tariff A or Tariff B	Not applicable	Not applicable
Capacity Payments	Based on min {MG, DQ}	Based on Availability	Based on Availability
Liable for Trip / SND Charges	No	Yes	Yes

Full-Day Testing Tariffs

- Testing Tariffs are prepared annually by the TSOs to reflect additional system costs associated with testing such as carrying more reserve

- SEM-O calculate and settles the actual charges

	Tariff A	Tariff B
Generator Capacity	2015 €/MWh	2015 €/MWh
GEN <50	€6.57	-
50 < GEN ≤100	€6.59	-
100 < GEN ≤ 150	€7.30	-
150 < GEN ≤ 200	€7.05	€0.27
200 < GEN ≤ 250	€7.96	€0.43
250 < GEN ≤ 300	€7.82	€0.68
300 < GEN ≤ 350	€7.78	€1.09
350 < GEN ≤ 400	€8.26	€1.74
400 < GEN ≤ 450	€8.79	€2.79
450 < GEN	€11.02	€4.46

Existing Market Treatment

- Generator is set as a 'Price Taker'

- Generator submits a nomination with no commercial offer data other than a decremental price of zero

- SEM Settlement Rules:

  - Market Schedule Quantity = Dispatch Quantity

  - Constraint payments = zero

  - Uninstructed Imbalances are based on the Dispatch Offer Price of the unit equalling the System Marginal Price

  - Capacity Payment Availability = min (Metered Generation, Dispatch Quantity)

  - Testing Charge = Metered Generation x Testing Tariff

Possible Approach in I-SEM

Generator Initiated Tests:

- Test requests made to TSO in line with Grid Code requirements – but no later than X hrs before day ahead TSO security constrained run
- Market Participant reflects agreed testing profile in their DAM / IDM PN
- Test flag set for all testing periods and Testing Tariffs applied as appropriate
- Imbalance arrangements apply

TSO Initiated Test:

- TSO testing notification to Market Participant in line with Grid Code requirements
- TSO Inc / Dec from PN as required