Fundamental Data Transparency in Electricity

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ERGEG/ENTSO-E Workshop

11. October 2010

Diamant Conference Center

Bl A. Reyers 80, Brussels

The foundation of the ERGEG proposal

- The GGP on Information Management and Transparency in Electricity Markets (2006)
- The Report on Transparency of the Northern region (2007)
- The European Commission inviting ERGEG advice (2010)

The foundation of the ERGEG proposal

- Regulation 1228
- The Transparency Report of the Northern region
- The transparency work of ENTSO-E
- Close cooperation with ENTSO-E
- Consultation of stakeholders

Subject and Scope of the proposed Guidelines

- A minimum common level of fundamental data transparency
- A minimum common level of publication of the defined data
- A Central Information Platform (CIP)

Definitions

- Clear, understandable and common European definitions
- Detailed definitions of each data item to be developed by the CIP
- Definitions has to be consulted and made public on the CIP
- Definitions subject to the opinion of the ACER.

Publication form

- Obligation on ENTSO-E to establish the CIP
- Obligation and responsibility of market actors to deliver data to the TSO
  Obligation on TSO to deliver TSO data and data provided by market participants to the CIP
- Use of existent data providers

Load

- TSO is reponsible of collecting and sending all relevant load data from obliged market participants to the CIP
- Data by market time unit pr bidding area in MW
- Vertical load until 2013 (if TSO meetering is not possible today)

Load

- Actual, hourly **vertical** load, at least H+1
- Day ahead estimate of **total** hourly load at 11.00 D-, updated
- Weekly, monthly and yearly estimate of **total** load

Unavailability of load

- **Consumption Units larger than 100 MW**

- Planned quantified unavailability lasting more than 1 hour, by bidding area and updated
- Ex post, quantified planned and unplanned unavailability by bidding area

- Common European load forecasting method

Transmission and inter-connectors, unavailability

- Quantified, planned outages (asset type) with impact on interconnector capacity, larger than 100 MW,lasting more than 1 hour, update
- Details on quantified actual outages (asset types) and its reasons, realtime (H+1)
- The reason of the actual outage, day D+1

Transmission and interconnectors

- In case of flow based allocation also:
- Non redundant flowbased parameters containing PTDF matrix and margins (MW) asssociated to the critical branches per market time unit, D-1 before D
- Flow base allocated capacities (MW per non redundantcritical branches D 1, 2 hours before the auction

Transmission and interconnectors, congestions

- Monthly report on where and why congestion exists
- Yearly report on structural congestion limitting cross border capacity and possible corrective measures
- Aggregated realised commercial and physical flows and description of corrective measures
- Cross border capacity between MS and perimeter countries reserved as priority rights

Generation

- Generators are to submit all relevant data to the TSO
- The TSO is reponsible of delivering the submitted data from generators to the CIP

Generation installed capacity

- Ex ante total sum of installed generation capacity (MW) larger than 1MW, yearly by production type

- Ex ante information of installed generation Capacity (MW) for each named unit larger than 100 MW, yearly and covering 3 years per production type

Generation available capacity

- Forecasted,yearly, available capacity of each named generation unit larger than 100 MW, covering 3 years has to be made public on the CIP.

Unavailability of generation lasting more than 1 hour

- Generators are obliged to report **immediately** on **planned** unavailability of **named generation units** larger than 100 MW
- Generators are to report immediately on **planned and unplanned** unavailability of named generation units larger than 100 MW

Other important Generation requirements

- Ex ante aggregated information on planned generation of all units larger than 100 MW, by marked time unit, bidding area, hourly at 18.00 D-1
- Actual generation by unit equal to or larger than 10 MW updated as changes occur or at least by every 15 minutes
- Actual aggregated, hourly, generation by productiontype, H+1

Balancing

- Rules on balancing
- Methodology of calculating imbalance charges
- Rules on cross border balancing
- Volumes of contracted balance reserve capacity by reservetype, by bidding/control area 2 hours before procurement

Balancing

- Ex post actual use of activated reserves as primary,secondary and tertiary reserves by market time unit after the operational hour
- Manual reserves bids for up and down regulation, by the operational hour

Balancing

- Average and marginal prices paid by the TSO
- Prices paid by the TSO for up and down regulation, by market time unit
- Capacity payments paid to generators/load by TSOs
- Imbalance prices
- Volumes of imbalances pr. market time unit
- Actually used volumes of manually and activated reserves inside control area after the operational hour by market time unit

Monitoring of the Guidelines

- The national regulatory authorities will ensure compliance regarding obligations on TSOs, generators, consumption units and DSOs.
- The ACER will ensure compliance regarding ENTSO-E obligations

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Thank you for your attention!

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