



ЈАВНО ПРЕДУЗЕЋЕ
ЕЛЕКТРОМРЕЖА СРБИЈЕ

SEE Market Monitoring Pilot Project Design Workshop

November 16, 2006

Brussels

JP “Elektromreža Srbije” – EMS

SERBIA

Response to Market Monitoring Design Concept Proposal

- Idea: Advise TSOs on data scope that should be available to market participants, in order to facilitate non-discriminatory transmission and market transparency needed for establishing competitive market
- Requirement: Compliance with national legislation
- Goal: Harmonize market monitoring in the region, to reach relevant EU level

Data for Market Monitoring

- Availability influenced by:
 - Relevant laws
 - Regulator's jurisdiction
 - Market Code
 - Info Code

Data Collection

Interface Capacity

Data Description	TSO Comments
<p><i>For each “cross-border” interface :</i></p> <p>Forecasts of total interface capacity for monthly service.</p> <p>Monthly reservations (other than committed use) for twelve months beginning December 2006.</p> <p>Forecasts of available interface capacity for monthly service for twelve months beginning December 2006.</p>	<p>Indicative seasonal forecast calculation is made, and provided to UCTE.</p> <p>NTC calculation is made for each month in advance.</p> <p>Monthly reservations a month in advance.</p> <p>Published on TSO website www.ems.co.yu</p>

Transmission Requests

Data Description	TSO Comments
<p>List of refused transmission requests for the month and daily including amount of requested capacity, requested start time and requested end time;</p> <p>List of approved transmission requests for the monthly and daily service including amount of requested capacity, requested start time and requested end time;</p>	<p>Published by TSO:</p> <ul style="list-style-type: none">-Sum of allocated transmission capacities-Portion not having been allocated

Congestion Management

Data Description	TSO Comments
<p>A general description of congestion management procedures.</p> <p>For the past 60 days, instances of when congestion management procedures were implemented on any interface administered by the TSO;</p>	<p>TSO is in charge of the entire procedure.</p> <p>Management of internal bottlenecks – redispatching.</p> <p>Cross-border congestion management - pro-rata method, no congestion no payment (explicit auctions planned for next year).</p> <p>The procedure is published on TSO website www.ems.co.yu</p>

Interface Allocation

Data Description	TSO Comments
<p>A detailed description of the calculation of interface capacity based on the electrical properties of the system.</p> <p>A description of the interface capacity products that are available to third party users of the TSO system.</p> <p>A description of the procedures to purchase and reserve interface capacity.</p>	<p>Calculation of NTC, ATC.</p> <p>The procedure has been harmonized with neighboring TSOs and is developed in accordance with UCTE rules.</p> <p>Temporary rules for allocation of available transfer capacities on interconnections – published on TSO website www.ems.co.yu.</p>

Transmission Expansion

Data Description	TSO Comments
<p>A list of planned system expansion projects.</p> <p>The underlying analysis supporting projects.</p>	<p>TSO is in charge of transmission system development.</p> <p>A list of planned system expansion projects is to be submitted to the Regulator.</p> <p>TSO has participated in all regional network planning projects.</p>

TSO Operations

Data Description	TSO Comments
Hourly physical power flows on external interfaces. Actual scheduled power hourly flows on external interfaces.	Not being published. Bilateral harmonization between control areas.

TSO Operations

Data Description	TSO Comments
<p>All generation outages planned at least 7 days in advance, indicate outage date and duration;</p> <p>All generation outages planned less than 7 days in advance, indicate outage date and duration;</p> <p>All transmission outages planned at least 7 days in advance, indicate outage date and duration;</p> <p>All transmission outages planned less than 7 days in advance, indicate outage date and duration;</p>	<p>Available to TSO, but not published.</p> <p>Planned transmission outages harmonized on regional level.</p>

System Demand

Data Description	TSO Comments
Day before demand and generation forecast for each hour of the next day. Actual hourly demand and generation.	Available to TSO, but not published. Load forecast planned to be published.

Load Flow Cases

Data Description	TSO Comments
<p>The seasonal base case load flow models used to calculate interface capacity (if load flow model is not used, please indicate method used and provide model).</p>	<p>Available.</p>

Generation Capacity

Data Description	TSO Comments
<p>For each generating unit in the TSOs control area,</p> <ul style="list-style-type: none">fuel used in plant during the monthunit maximum capacity,unit average heat rate,variable operations costs;average fuel cost (over the month) <p>Weekly or daily forecast of hourly generator output for each generator in TSO control area.</p>	<p>Technical data available to TSO. Commercial data not available to TSO.</p>

Customer Complaints

Data Description	TSO Comments
Records of complaints by customers or competitors regarding transmission access into the TSO control area;	Regulator is in charge of keeping records.

Wholesale Activity

Data Description	TSO Comments
<p>Hourly megawatt-hour wholesale sales and purchases by the TSO or load-serving entities in the TSO control area, including the identity of the counterparty, price, firmness, and duration of the sale or purchase;</p> <p>Hourly megawatt-hour wholesale sales and purchases wholesale market participants (including the TSO) that sale within the TSO control area;</p> <p>include the identity of the seller, the counterparty, price, firmness, and duration of the sale or purchase;</p>	Not available.

Balancing Market (if applicable)

Data Description	TSO Comments
Hourly MWh volumes cleared in the spot market; Average hourly price of cleared volumes;	No spot market.