



CIGRE SEERC 6 th TAC Meeting and Workshop

TSO & DSO, Interaction in operation and planning

Legal framework of cooperation between DSO and TSO

- Legal framework of cooperation between DSO and TSO in Electricity Market is regulated by:
 - Energy law
 - Regulation on conditions of electricity delivery and supply
 - Market code
 - Rules on supplier switching
 - Transparency rules
 - Regulation on guarantees of Origin and linked rulebooks

TSO and DSO data exchange

- Cooperation between TSO and DSO in market processes:
 - Balancing responsibility
 - Transparency
 - Guarantees of Origin

TSO and DSO data exchange

- Balancing responsibility process:
 - DSO is obliged to keep a register of balance responsibility for all withdrawal/injection points at distribution system containing:
 - List of withdrawal/injection points on a distribution system that contains information about power
 - The basis on which the place is associated with the balance group, validity period and data of BRP and supplier which is responsible for that point
 - Supplier switching procedure:
 - DSO manages, updates, exchanges and validates all data regarding withdrawal/injection points and aligns with TSO BRP data

TSO and DSO data exchange

- DSO is delivering the metering data for calculation of deviation of balancing groups:
 - DSO has an obligation to deliver metering data aggregated per BRP according to Market code
 - for Accounting period
 - for every Accounting interval in Accounting period
 - Until 14th day in Month M+1 for month M
 - for every update is there is a need

TSO and DSO data exchange

- DSO is delivering the metering data for issuing of guarantees of origin:
 - DSO has an obligation to deliver metering data for all Power plants registered at TSOs for participation in guaranties of origin system
 - for every calendar month
 - Until 14th day in Month M+1 for month M
 - for every update is there is a need
 - DSO is delivering the data to TSO for calculation of National Residual Mix

TSO and DSO data exchange

- DSO is obliged to deliver the data related to Transparency regulation:
 - Total actual generation on the distribution system or closed distribution system for the accounting interval;
 - Installed generation capacity aggregated of production units connected to the distribution system or closed distribution system;
 - Total day-ahead generation forecast on the distribution system or closed distribution system;
 - Total day-ahead generation forecast for solar power and total day-ahead generation forecast for wind power on the distribution system or closed the distribution system;
 - Actual generation aggregated by type of generation on the distribution system or closed distribution system for the accounting interval;
 - Total actual generation for solar power and total generation for wind power in the distribution system or closed the distribution system;

Future development of coordination between TSO and DSO

- Future cooperation is foreseen in following processes:
 - Flexibility services
 - Integration of DSO grid users in electricity market
 - Reduction of accounting interval to 15 minutes
 - Common platform for BRP Registry

Thank you for your attention!