

Sub-Group Network Models & Forecast Tools of the Regional Group Continental Europe

The operation of the transmission system is based on measurements and simulations. For the latter, adequate network models and forecast tools are necessary. They can only be created through common designing, data exchange and cooperation of all TSOs.

The Sub-Group Network Models & Forecast Tools of the Regional Group Continental Europe (SG NM&FT of RG CE) deals mainly with operational security and coordinated operational planning issues. It aims to identify the needs for corresponding new methodologies and co-operation rules among TSOs, and monitor existing operational data exchanges. It also proposes the development of common tools and the improvement of already used tools in the TSOs' operational environment such as data exchanges, network models and forecast tools e.g. Day-Ahead Congestion Forecast (DACF).

The Sub-Group prepares the data collection of network data sets such as snapshots for operational analyses or for Inter-TSO Compensation (ITC), DACF data sets, reference data sets for load-flow and short-circuit calculations in order to create complete Continental European models. It performs a quality check of such models, develops grid maps for the purpose of operational planning, realizes operational forecast studies on demand (operational network planning), and contributes to the development of the CIM/XML data exchange format.

On a short-term horizon, the SG NM&FT contributes to migrating from the ASCII data exchange format to the CIM/XML-based data exchange format by executing data exchange test, and by adapting existing data exchange procedures. It provides regular reviews of internal changes of the power system with respect to updating operational network models, prepares and regularly updates the complete RG CE load-flow model.