



# COORDINATION SERVICE

Coordination at international level is fundamental for the security and reliability of the UCTE synchronous area. An improved inter-TSO-coordination will result in improved reliability. Thus in 2007 UCTE made an important step towards a system-wide co-ordination, both in operation and planning in order to increase the security and reliability of the system.

In May 2007 the UCTE Steering Committee confirmed the need of a Coordination Service (CS) and mandated the Working Group System Strategy to investigate into the possible technical realization of the appropriate legal framework.

## Context

- today the transmission systems in Europe are operated under completely different conditions compared to their design purposes (decentralized operation with shared responsibility, co-ordination only between neighboring systems);
- system security has to be maintained under market conditions that cause the full utilization of many physical transmission system assets;
- due to the long and difficult permitting procedures for new transmission lines, the development of infrastructure has not been able to keep pace with these changes;
- more frequent large fluctuations in power generation patterns and import export exchanges;
- increase of cross border intra-day implementation;
- increase of volumes and growth of renewables (wind generation)
- high voltage network being operated closer to the limits

## **The Framework of the CS**

The basic assumptions are that the CS is operated and financed by all involved TSOs. The CS implementation will need no changes in national laws. Moreover the CS is a 24 hour-service for TSOs.

In December 2007 a workshop was held on this topic and a consensus was reached on the goals, means and the minimum set of functions of the CS.

For 2008 a common Task Force (comprising experts from WGs System Strategy, Operation and Security and Legal Affairs) aiming at further investigation about the CS will be set-up.

## **Goals of the CS**

In order to improve the system reliability, the CS shall support TSOs in emergency situations, enable to find solutions to the above mentioned situations and increase the global reactivity of TSOs. There is further a need to have a better knowledge and understanding of the operating rules of the other TSOs.

## **Means and Minimum set of functions**

The workshop further achieved a consensus on the means. In order to reach the goals of the CS a week ahead, day head and "real time" vision of a large part of the UCTE system (several TSO areas but not necessary the whole UCTE system) is needed. Data has to be exchanged in standardized formats and data exchange protocols. Already existing regional activities have to be considered, and one TSO can be involved in more than one region. The CS needs to integrate the functions of the UCTE-wide Awareness System.

The CS enables TSOs to perform N-1 security monitoring on a regional basis, trigger an alarm in case of possible congestion, work out solutions and coordinate the restoration process in case of an incident.