

Operational Planning And Scheduling Code

2nd Workshop

25 July 2012

Highlights

- What has been done → results of the 1st WS
- Where do we stand
- How to continue

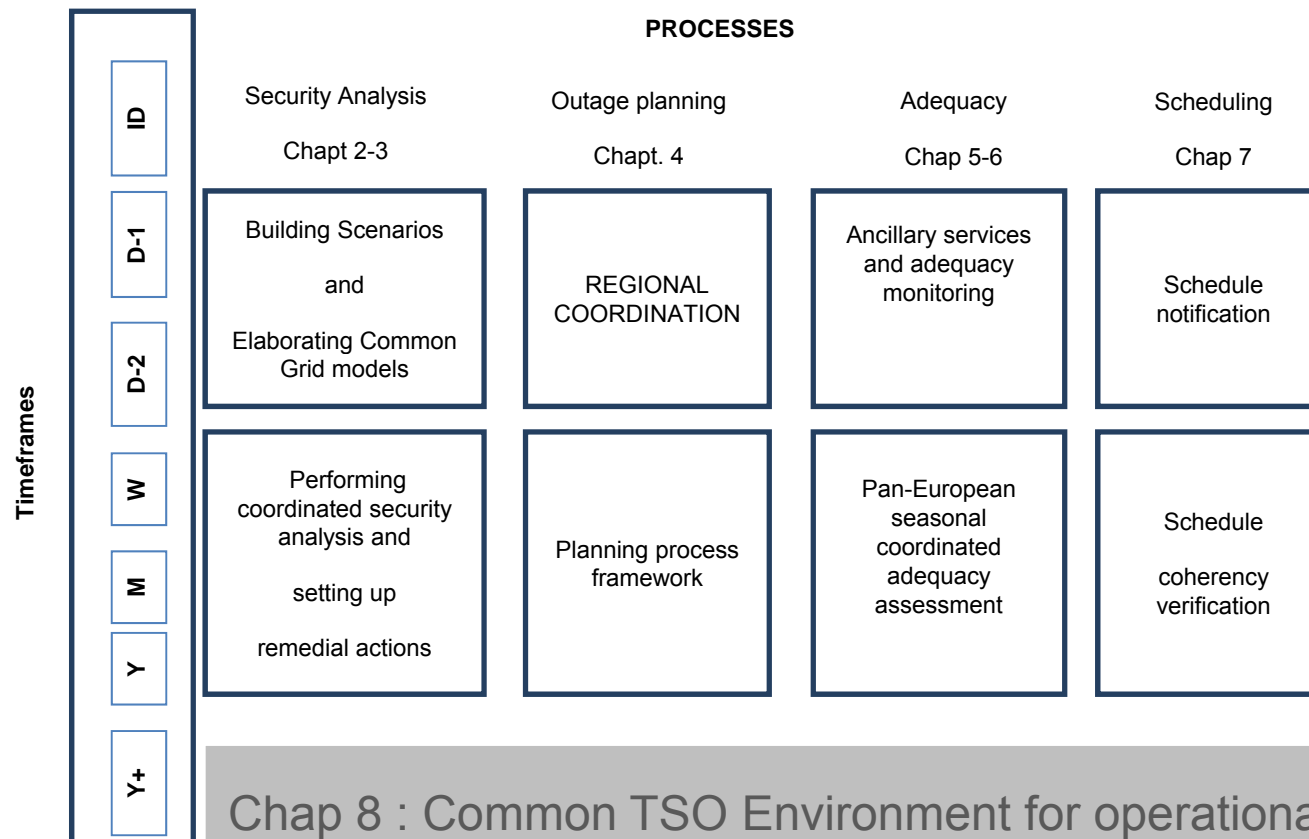
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OPS NC restructuring: background & rationale

→ Purpose , objectives , definitions

General Provisions: Subject matter, Definitions, Scope, Regulatory aspects, Confidentiality, Relation with National Law



Cooperation & coordination of TSOs and DSOs

- **In the same framework that for Operation Security Principles :**
 - Distinguishing: Distribution System Operators (Users)
 - Emphasize that the focus is on transmission
 - DSOs to receive info from TSOs where necessary
 - Including organizational provisions in Data Exchange
- **Developing interfaces where required :**
 - Dispersed generation and consumption, year-ahead scenarios for security analysis
 - Access to relevant information on outage planning
 - Ancillary services capabilities
 - Schedules for Power and Demand

Suggestions by stakeholders

- **Significant changes of Definitions in compliance with: Directive, Regulation, FG and other NCs**
- **Elaborated more on costs sharing & recognition, especially in line with the provisions in other NCs**
- **Involvement of stake holders in next steps:**
 - 14.3, 15.3, 24.1,...
- **Emphasize key cross-issues with other NCs**
 - Article 2: numerous definitions with RfG NC, OPS NC and LFR NC
 - Reference to OS P (security limits) , CACM (common grid models), Connection (adequacy, ancillary services) , LFC (ancillary services, scheduling)

Suggestions and advice by ACER

- **Amplify obligations for transparent and non-discriminatory decision criteria**
- **Transparency of information relevant for the market, confidentiality otherwise (e.g. re-dispatch)**
- **Enhanced Definitions, ensuring coherence and consistency with other NCs**
- **Develop methodologies harmonization**
- **Develop RES integration**
- **Develop uncertainties management**

HARMONIZATION OF DEFINITIONS



work within ENTSO-E in order to harmonize definitions between Network Codes

General Rules applied to harmonize definitions in the present draft:

- Alignment of the definitions of OP&S NC with its “umbrella” Code: Operational Security Principles NC
- Alignment of the definitions of OP&S NC with the other Network Codes : RfG NC, CACM NC, LFC NC

DEFINITIONS IMPROVEMENT IN OP&S NC



➔ **Definitions related to Security : aligned with Operational Security Principles NC**

Reference to Operational Security and Operational Security Limits
New definitions of Control Area, Responsibility Area, Contingency, Fault, Neighbouring TSOs

➔ **Definitions related to Connection : aligned with Requirement for Generators NC**

Generating/Consumption Unit changed to Power Generating Facility/Demand Facility
Introduction of the concept of « Power Generating Module » (from RfG NC)

➔ **Definitions related to Market : aligned with Capacity Allocation and Congestion Management NC**

New definitions of Bidding Zone, Cross-Zonal Capacity, Capacity Allocation, Market Participant
Reliability Margin deleted and moved to CACM NC

Key evolutions in Input Data and Operational Security Analysis

- more elaboration on the involvement and information given to stake holders:
- ❑ **Higher detail in handling uncertainties** for Grid Models;
- ❑ **Publication of scenarios**, in order to allow the gathering of stakeholders comments and reflections as well as more transparency in the construction of Grid Models;
- ❑ **Clear three levels approach:**
 - Pan-EU for input data ;
 - Synchronous area level for standardization of principles and methodologies;
 - Regional for practical implementation of processes in line with standardized methodologies
- ❑ **Detailed provisions in Remedial Actions**, including approval of NRAs for methodologies and their categorization and a reference to cost recovery in line with EC Regulation 714/2009.
- ❑ **Higher detail in the provisions dealing with coordination between TSOs.**

NC OP&S: Key evolutions in Outage Planning

- involvement and information given to different parties in the coordinated outage planning process regarding
 - ❑ **definition of Outage Planning Regions,**
 - ❑ **DSO's access to information directly relate to the grid they operate**
 - ❑ **relevant NRA involved when critical outages cannot be planned ; and decision shall be motivated to all impacted parties.**
 - ❑ **In link with ENR issues, possibility of having multiple units with a single point of failure (e.g. large off-shore wind farms, ...)**
 - ❑ **in article 20.3 the TSO will no longer impose a decision, but all parties are incentivized to propose alternatives relieving detected constraints.**

NC OP&S: Key evolutions in Adequacy and Ancillary services

- ➔ **Definition on adequacy and responsibilities of TSO : monitoring and sending signals to stake holders and NRA's**
- ➔ **Framework of the common methodology for adequacy monitoring and requirements to precise this framework for seasonal analysis : scenarios definition and taking into account probabilities**
- ➔ **Ancillary services: articulation and alignment with LFC for active power reserves**

NC OP&S: Key evolutions in Scheduling



- ❑ **Definitions in the Scheduling chapter are updated** according to RfG NC, LFC&R NC and input from ENTSO-E RG CE TF Schedule Process implementation.
- ❑ **New provision regarding responsibility for Parties involved in Scheduling process to appoint Scheduling Agent in accordance with local market rules**
- ❑ **Market operator in Scheduling process has same status and requirements for information provision as Scheduling Agent**, therefore definition Market operator is changed to Market Coupling Operator in its role of Scheduling Agent.
- ❑ **Support and involvement of The Scheduling Agents of the Market Coupling Operators in the TSOs process to maintain coherency of the schedules is foreseen**

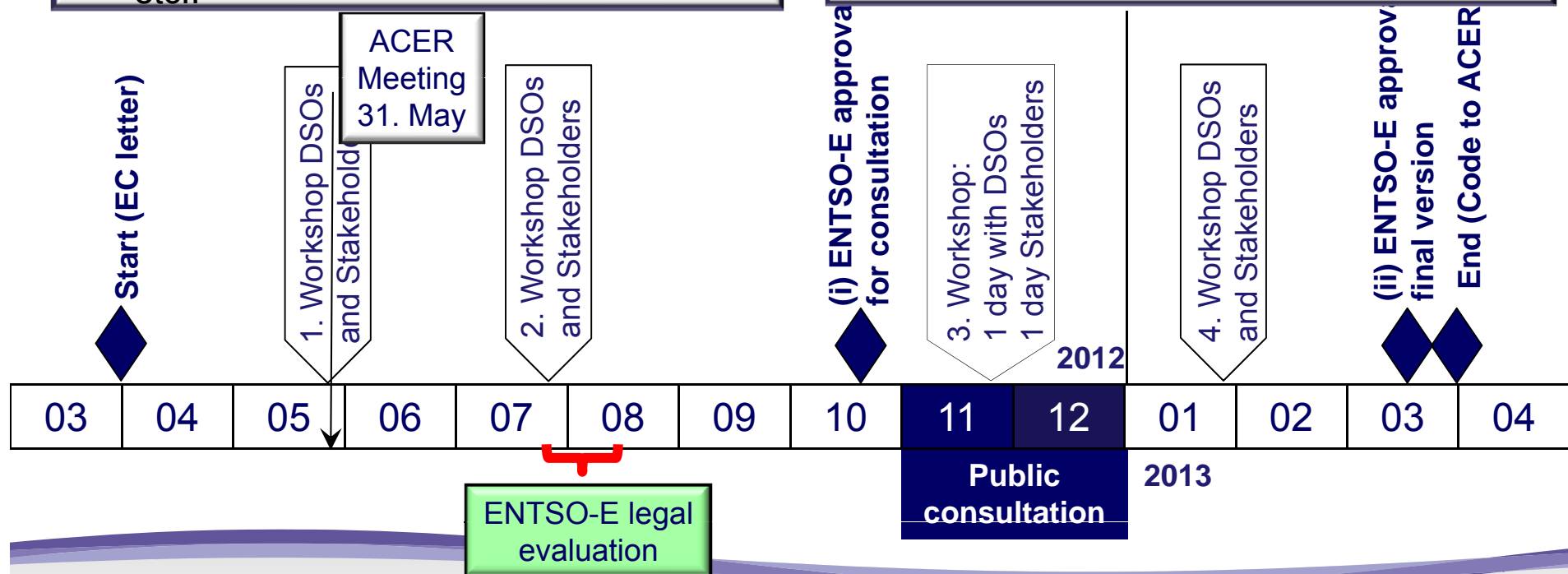
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Where do we stand and what's in focus now

- No showstoppers, no red-flags but margin in time limited
- Integrated all results of 1st WS
- Resolving practical issues well under way: figures, „EU NCs‘ common look-and-feel“, etc..

- 2nd WS
- Finalization of „Objectives Paper“
- Preparation of FAQ
- Towards public consultation



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OPS NC development: next steps

- **first legal review**
 - Further suggestions and advice
 - Refinements towards Public Consultation
- **Reworking and integration of results from the 2nd Workshop and legal review until first week of september 2012**
- **Second meeting forseen with ACER in September**
- **Second legal review and approval by ENTSO-E October 2012**
- **Public Consultation and 3rd Public Workshops (2 days) according to the plan**



Thank you for your attention !