

## Minutes ENTSO-E Workshop with the DSOs Technical Expert Group on Operational Security Network Code (OS NC)

2 July 2012  
10:00 h – 12:00 h  
Avenue de Cortenbergh 100 - 1000 Brussels

### Participation

DSOs Technical Expert Group for OS NC			
Javier	Meco	Endesa	Spain
Graeme	Vincent	SP Energy Networks	UK
David	Vangulick	ORES	Belgium
David	Trebolle	Gas Natural Fenosa	Spain
Matthias	Wielage	EWE	Belgium
Florian	Chapalain	EDSO for Smart Grids	Belgium
Bruno	Gouverneur	SYNERGRID asbl	Belgium
Boris	Mankel	Axpo AG	Switzerland
Pavla	Mandatova	Eurelectric	Belgium
ACER (videoconference)			
Anne	De Geeter	ACER	Slovenia
Emmanouil	Styvaktakis	ACER	Slovenia
ENTSO-E			
Tahir	Kapetanovic	APG	Austria
Frank	Reyer	Amprion	Germany
Andreas	Walczuch	Amprion	Germany
Timo	Kaukonen	Fingrid	Finland
Ramiro	Fernandez-Alonso	REE	Spain
Donal	Connolly	Eirgrid	Ireland
Ana	Cigaran Romero	50HzT	Germany
Nathalie	Lemaitre	RTE	France
Olivier	Bronckart	ENTSO-E	Belgium
Nicolas	Roger-Machart	ENTSO-E	Belgium
Ramunas	Bikulcius	ENTSO-E	Belgium
Pilar	Munoz-Elena	ENTSO-E	Belgium

### Programme

<b>09:00 – 10:00</b>	<b>Registration/Welcome coffee</b>	
10:00 – 10:15	Welcome	Tahir Kapetanovic ENTSO-E Convenor of OS NC Drafting Team
10:15 – 10:45	Integration of Results After the 1 <sup>st</sup> Workshop	Tahir Kapetanovic ENTSO-E Convenor of OS NC Drafting Team

10:45 – 11:15	OS NC Supporting Document	Ana Cigaran Romero <i>ENTSO-E Member of OS NC Drafting Team</i>
11:15 – 11:50	DSOs TEG view, Discussions	Workshop participants
11:50 – 12:00	Conclusions	Tahir Kapetanovic <i>ENTSO-E Convenor of OS NC Drafting Team</i>
<i>12:00</i>	<i>End of Workshop</i>	
<i>12:00 – 13:00</i>	<i>Lunch</i>	

Presentations are accessible on the ENTSO-E website.

### Welcome

Welcome and introduction was made by Tahir Kapetanovic. Roundtable introducing the participants.

### Integration of results after the 1<sup>st</sup> Workshop

Tahir Kapetanovic presented the changes in the code after the 1<sup>st</sup> Workshops. Presentation is accessible on ENTSO-E website <https://www.entsoe.eu/resources/network-codes/operational-security/>.

### OS NC Supporting Document

Ana Cigaran Romero presented the OS code supporting document. Presentation is accessible on ENTSO-E website <https://www.entsoe.eu/resources/network-codes/operational-security/>.

### DSOs TEG view, Discussions

David Trebolle presented the DSOs opinion and proposals for further improvement of the code. Presentation is accessible on ENTSO-E website <https://www.entsoe.eu/resources/network-codes/operational-security/>. The main recommendations from DSOs TEG:

- **Definitions** should be **clear and consistent** among the codes. EU legislation should be taken into account.
- **DSOs** are key agents **as market facilitators and system operators, not system users**.
- **Relevant DSO's** are also in charge of security of supply so **that OS issues should be included in the code**.
- **DSO as information facilitator** collecting information on grid users connected to their networks – to pass information on **Significant Grid users** to TSOs, for other only in **aggregated way**
- Voltage control is a local phenomenon, under normal operation. **Relevant DSO might receive DER voltage control contribution**. Voltage control requires a system approach
- **More interaction** between the DT & DSO TEG is needed

A meeting could be organized to exchange the opinions on introducing the DSOs TEG comments before or during Public consultation of the OS NC.

Question 1. Are there any links between the definitions of significant grid users in this code and significant generation in RfG.

Answer 1. Definitions could differ in RfG for significant generators, in DCC for significant demand and in OS code for significant grid users. The significance in RfG is according to the capacity, in DCC according to the influence in DSM. The significance in SO is related to influence on system security and depends on size of the system, generation mix, etc. TSOs should have a right to treat the significance of the grid users and propose for approval of NRAs. This depends on national legal basis and tariffication. ACER arbiters if NRAs are treating the grid users in non discriminatory way or if it is a cross border issue. Level of significance is area of national legislation.

Comment concerning the cross border character of voltage. After the German nuclear phase-out, France has changes in voltage profile and now RTE has to make joint security analysis with German TSOs related to voltage levels and stability.

## Conclusions

Tahir Kapetanovic made the following conclusions:

1. Definitions should be clear and consistent among the codes and include definitions proposed by DSOs TEG.
2. New generation and smart grid developments fully considered in the code as far as it is a cross border issue.
3. More details on DSM (demand side management).
4. Taking into account heterogeneity of TSOs and DSOs.
5. Involvement of DSOs in congestion management.
6. Information exchange should enhance also information flow from TSO to DSO.
7. DSOs will follow instructions from TSOs, but are free to decide on tools and means how to implement it.
8. To be considered in what extent DSOs requirements to ask from users the information and to set requirements, e.g. voltage control, power factor could be included in the code.
9. Difference of significant grid users should be justified and defined.
10. More cooperation is needed between DT on OS code and DSOs TEG. More time for DSOs TEG need to prepare comments for the draft code before the workshops.

Tahir Kapetanovic thanked the participants for active participation, constructive and practical comments and closed the Workshop.