



The European Energy Regulators and Voltage Quality Monitoring

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EURELECTRIC – CEER Joint Workshop on “Voltage Quality Monitoring”
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European Energy Regulators

- CEER – Council of European Energy Regulators
CEER is a “not-for-profit association” constituted by 29 independent national regulatory authorities (NRAs) aiming to facilitate the creation of a single, competitive, efficient and sustainable internal market for gas and electricity in Europe.
- ERGEG – European Regulators’ Group for Electricity and Gas
Set up by a European Commission decision from 2003, **ERGEG** is an advisory group of the 27 European Union NRAs created for assisting the EC in consolidating the Internal Market for electricity and gas.

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CEER/ERGEG structure

		GA		ERGEG Plenary			
		Board					
		Secretariat					
Energy Package	Financial Services	Regional initiatives	Electricity	Gas	Customer	International Strategy	Energy Community
Agency Project Team	Wholesale Markets Functioning	Electricity RI	Electricity Network and Market	Gas Network and Market	Customer Empowerment	Florence School and IERN	
Unbundling, Reporting and Benchmarking	Wholesale Markets Supervision	Gas RI	Electricity Quality of Supply	Gas Market Monitoring	Retail Market Functioning		
			Electricity Security of Supply	Gas Investment Framework			
			Sustainable Development	Gas Storage			
				Liquefied Natural Gas			
				Security of Supply			

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Electricity Quality of Supply

- **Power Quality**
 - **Continuity of Supply**
(the availability of the electricity)
 - **Voltage Quality**
(technical properties; i.e. characteristics and the usefulness of the electricity when there are no interruptions)
- **Commercial Quality of Service**
 - connection, customer care, technical service, metering and billing



Electricity Quality of Supply Regulation

- In order to advance the understanding and experience on this area, European Energy Regulators (EER) regularly **exchange good practices** on national experiences in the field of quality of supply, keeping in mind regulators' core objective of **finding solutions benefiting society as a whole and taking into account all public and private interests.**
- In order to ensure that quality of supply is not compromised, NRAs include **quality of supply factors in the regulatory frameworks applied nationally.**
- Network regulation aims at a **balance between cost efficiency and the quality of supply.**



Cooperation for a better Regulation

- **International standards** can be a good tool to **complement national regulations** only if they are satisfactory from a regulatory point of view.
- **CEER** cooperates with **CENELEC** and relevant stakeholders in order to **improve the European standards**.
 - With CEER representatives have actively participated at CENELEC TC 8X from 2006
 - A **Memorandum of Understanding** has been signed between CEER and CENELEC last January 2009.
- **CEER** and **EURELECTRIC** experts regularly meet to discuss and analyse different quality of supply topics.



Some recent documents from the European Energy Regulators

- *Third CEER Benchmarking Report on Quality of Electricity Supply (2005)*
- *Towards Voltage Quality Regulation (2006 and 2007)*
 - An ERGEG Public Consultation paper
 - Evaluation of comments received
 - An ERGEG Conclusions Paper
- *Service Quality Regulation in Electricity Distribution and Retail, Springer (2007)*
 - Joint effort by CEER and FSR
- *4th CEER Benchmarking Report on Quality of Electricity Supply (2008)*





The 4th CEER Benchmarking Report on Quality of Electricity Supply

- The CEER periodically surveys and analyses the quality of supply in its member countries.
- These surveys and analyses are the “CEER Benchmarking Reports on Quality of Electricity Supply”. The first report was issued in 2001, followed by the second and third editions in 2003 and 2005.
- The last version, the “4th CEER Benchmarking Report on Quality of Electricity Supply 2008”, has been published and it is freely available through www.energy-regulators.eu



The need for Voltage Quality Monitoring

- Voltage quality is the most technical and complex part of the Quality of Electricity Supply.
- Voltage quality can be affected by all the parties connected to the power system and can be divided into several different voltage disturbances.
- Voltage quality disturbances can cause severe problems for customers and can carry heavy costs for businesses. For some European industries, it is fundamental for competitiveness.



The steps for Voltage Quality Monitoring

- A good knowledge of the real situation is a preliminary step towards any kind of regulatory intervention.
- Dissemination of experiences is fundamental and R&D in this field is necessary.
- Countries should monitor voltage quality continuously and publish results regularly.
- Improvement and harmonisation of voltage quality regulation is the goal.



Thank you for your attention!

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