Closing and concluding remarks from the CEER point of view

EURELECTRIC – CEER Joint Workshop on "Voltage Quality Monitoring"
Brussels, 18th November 2009

The need for understanding the Voltage Quality phenomena

- Voltage quality (VQ) is the most technical and complex part of the Quality of Electricity Supply topics and involves several different voltage disturbances.
- VQ can be affected by all the parties connected to the power system.
- Power grids are facing new important challenges (e.g.: renewables, active demand participation, …)
- VQ disturbances can cause severe problems for customers and can carry heavy costs for businesses.
- For some European industries, VQ is fundamental for competiveness.

Clear rules for responsibilities for monitoring and rectifying the situation are highly important

- This VQ disturbances monitoring importance has been showed by the evaluations of costs due to industrial and services customers that were presented.
- Network operators are the key actors for understanding the VQ panorama and for proposing optimised VQ improvements.
- Regulators have the task to guarantee customers with a reliable/minimum level of quality

Clear rules for responsibilities for monitoring and rectifying the situation are highly important

- Depending if the most cost-efficient solution will be to implement remedial actions in the customers' installations or in the grid, decision about the optimal solution to be implemented must be taken in each individual case.
- Definition of responsibilities sharing between the relevant stakeholders is very important and must be stated.

The need for Voltage Quality Monitoring and PQ data dissemination

- A good knowledge of the real situation is a preliminary step towards any kind of regulatory intervention.
- It should be assured individual verification of VQ after customers request or complain.
- Dissemination of experiences is fundamental and R&D in this field is necessary.
- Countries should monitor VQ continuously and publish results regularly where considered useful.
- Some experiences show that the monitoring in all HV/MV substations is affordable. Monitoring on LV installations also must be analysed.

The need for Voltage Quality Monitoring and PQ data dissemination

- The suggestion for a central database creation, allowing to know what is the Power Quality data that is already available all over Europe and whom to contact in order to access for R&D purposes, can be analysed between CEER and EURELECTRIC.

The need for VQ Regulation improvements and harmonisation

- International standards can be a good tool to complement national regulations only if they are satisfactory from a regulatory point of view.
- With this goal, the European Energy Regulators maintain their commitment to cooperate with CENELEC and relevant stakeholders for improving the European standards (EN 50160 and others relevant standards).
- The revision of the EN 50160 still to be ratified contains several improvements. However, it is necessary that:
  1. This approved version be able to be published asap.
  2. Further work for new improvements be developed.
- Improved standardised framework for voltage events is needed.

The need for deeper cooperation about VQ

CEER considers very important:

- To assure customers awareness and participation (and of their representative organisations) in the VQ related processes.

- The work developed by different experts groups like the CIGRÉ/CIRED Joint Working Groups C4.107, C4.108 and C4.110.

The need for deeper cooperation about VQ

(continuation)

Following the last years' work, CEER proposes to:

- Maintain the periodical meetings between CEER and EURELECTRIC experts on Quality of Supply issues.

- Repeat this event, as a new edition

  2nd CEER-EURELECTRIC Joint Workshop on Voltage Quality Monitoring

  to be held during next Autumn 2010 or Spring 2011 collecting more experiences, involving more stakeholders and giving the opportunity for a deeper analysis of some VQ details.

Thank you for your attention!

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