

Applications and Properties of Voltage Quality Monitoring Systems

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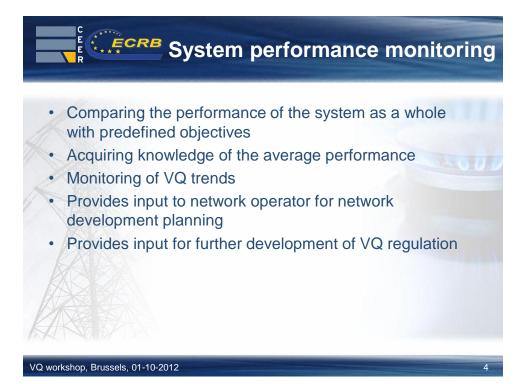
Workshop on "Voltage Quality Monitoring", Brussels, 1 October 2012

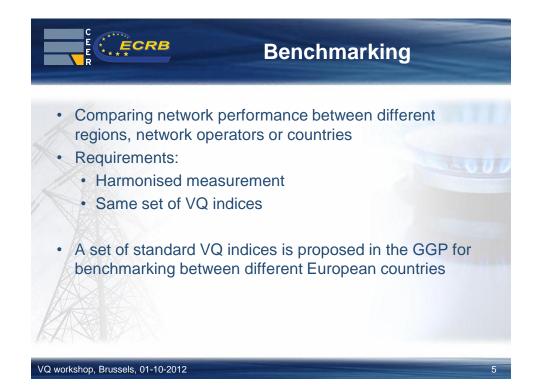
ECRB Applications of VQM programs

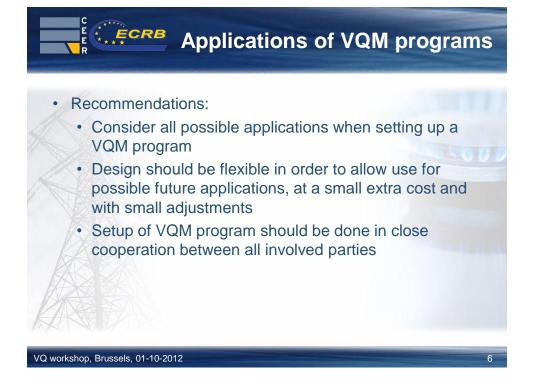
- Distinction between:
 - Driving applications
 - Spin-off applications
- GGP focuses on <u>regulatory</u> applications of VQM
- Main regulatory applications:
 - Compliance monitoring
 - System performance monitoring
 - Benchmarking

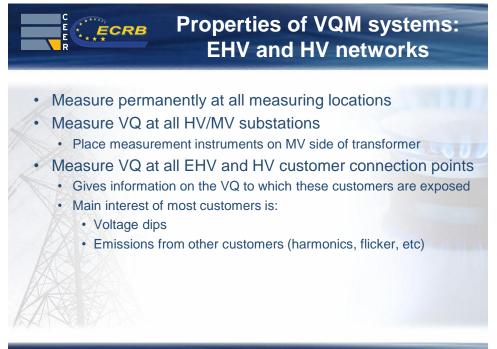
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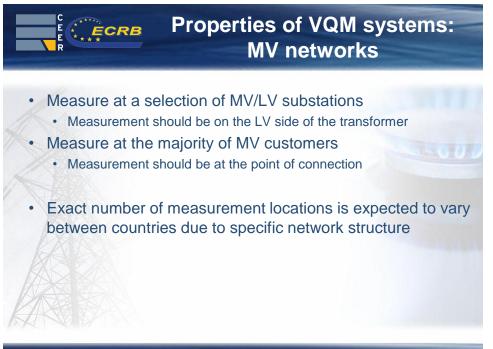








VQ workshop, Brussels, 01-10-2012



Properties of VQM systems: LV networks

- Measure at a random selection of LV customers throughout the country for a statistically relevant sample
- Monitoring permanently or for a period of 1 week
 - · Permanent monitoring:
 - Will give a better overall view of the VQ at each location
 - Portable instruments:
 - Tends to be cheaper in CAPEX
 - Allows more locations to be measured
- In the future, smart meters might become part of VQM
 - Detect only a limited set of VQ disturbances
 - Risk of problems with data management

VQ workshop, Brussels, 01-10-2012





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