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Report WG1 Network Assets

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SMARTGRIDS

Research Topics

TOPIC	->2015	2020+
Pan-European Network	? ?	? ?
Network Asset Management	? ?	
Customer Integration	? ?	
The NEW distribution network	? ?	? ?
Multiple Energy Carrier Systems	? ?	? ?



General Findings

- q **50 persons attending**
- q **General agreement on topics and direction followed of WG1**
- q **Useful additions / comments**
- q **Connection & overlap other WG's**



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Pan European Network

- q **Connection to neighbour countries**
- q **Future demand of transmission capacity (uncertainty)**
- q **Stop Propagation of blackouts**
- q **Parallel systems ?**
- q **Pan European Supergrid ?**



Network asset management

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- q **Harmonized set of regulatory rules (critical enabler)**
- q **Influence of ownership of assets**
- q **How to cope with different functions / layers e.g. transit, regional**



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Customer integration

- q How to get the customer interested**
- q Use of the network, cost allocation**
- q Consequences for network planning?**
- q How 'local' do we have to be in the future?**



The NEW distribution network

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- q **Shared responsibility, how&what?**
- q **(pre)standardisation, certification and testing**
- q **Congestion in the distribution network?**
- q **FACDS devices**
- q **Self-X networks**
(diagnose, predict, configure,)



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Multiple energy carrier systems

- q **What research in the other networks is needed to advance the electric network**
- q **One common carrier?**
- q **How do we get a vision on the importance of, interdependency and interrelation**



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Thank you for your attention!

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