



RECOMMENDATION SEESGEN-ICT_R6



SEESGEN-ICT_R6: Miscellany of Recommendations on “Intelligence for the T&D Networks required for SmartGrids”

SHORT SUMMARY

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| <p>STANDARDIZATION</p> | <ul style="list-style-type: none"> <input type="checkbox"/> Select scenarios and use cases of true relevance to be used as standard for Smartgrids validation <input type="checkbox"/> Elaborate a a common reference (dynamic) architecture to standardization extents <input type="checkbox"/> Assess the suitability of current Standards to Smartgrids extents and to ICT specific applications |
| <p>COMMUNICATION NETWORK</p> | <ul style="list-style-type: none"> <input type="checkbox"/> The CN should suit the QoS in the real-time constraints and the current status, including emergency and critical situations of the electric grid <input type="checkbox"/> Sufficient energy back-up in the communications nodes; path/systems redundancies; self healing capabilities should be suitably considered <input type="checkbox"/> Consider diverse information and communication networks and transmission technologies to adapt against huge volume of data in crowded areas |
| <p>MARKET COMPETITIVENESS AND FLEXIBILITY</p> | <ul style="list-style-type: none"> <input type="checkbox"/> Enhance competition in supplying free communication services in Smartgrids <input type="checkbox"/> Foster a multiple choice in communication technologies bridging interoperability and the excessive complexity <input type="checkbox"/> Conceive flexible and diverse communication infrastructures suitable to the different criticality of the services |
| <p>SMART GRIDS ICT CARBON FOOTPRINT</p> | <ul style="list-style-type: none"> <input type="checkbox"/> Adopt actions to limit the carbon footprint of the home distributed smartness |