

CREATION FORM FOR A TASK FORCE

CIGRE Study Committee: B5

TF number: B5.92	Name of Convenor: Iony Patriota de Siqueira (BR)
Title of the Task Force: Functional Testing of IEC61850 Based Systems	
<p style="text-align: center;">Terms of reference</p> <p>Background :</p> <p>The on going work within WG B5.11 – The Introduction of IEC61850 and its Impact on Protection and Control within Substations indicates the need of specific definitions on how to perform and evaluate the results of functional tests of IEC61850 based systems. Such evaluations are beyond the WG B5.11 scope and time schedule.</p> <p>Scope :</p> <p>TF B5.92 shall report on how functional testing shall be performed in IEC61850 based systems. The report shall cover functional testing from IEDs to overall systems.</p> <p>Six main areas shall be focused:</p> <ol style="list-style-type: none">1. Functional testing of IEC61850 based systems2. Distributed application testing;3. Overall system testing;4. Use of SCL (Substation Configuration Language) for the testing;5. Functional test system requirements and definitions;6. Functional testing considerations to be taken into account in the specification. <p>Conformance (type and interoperability) testing of IEC61850 based systems (and IEDs) will not be focused as they are already covered by module 10 of IEC61850. All IEDs will be assumed to conform to this standard.</p> <p>Deliverables and time schedule :</p> <p style="text-align: center;">Technical brochure with summary in Electra Start: January 2007Final report: 2010</p>	
Other SCs concerned by the work	

Approval by Technical Committee Chairman

Date :