



## Working Group Form

**CIGRE Study Committee:** D1

<b>WG number:</b> JWG D1/A2.47 <b>Name of Convener:</b> Michel Duval (CA)
<b>Title:</b> New frontiers of Dissolved Gas Analysis (DGA) interpretation for power transformers and their accessories
<b>Terms of reference</b>
<b>Background :</b> DGA is among the most powerful techniques for detecting faults in electrical equipment. However, interpretation methods still need to be improved for recommending actions on the equipment, locating faults and evaluating the condition of specific types of equipment.
<b>Scope :</b> The items investigated by the JWG will be the following, all related to transformers and their accessories: <ul style="list-style-type: none"><li>- Review progress in the field of DGA</li><li>- Significance of CO, CO<sub>2</sub> and CO<sub>2</sub>/CO for detecting paper involvement in faults.</li><li>- Case studies and suggestions for typical problems and actions initiated by DGA interpretation</li></ul>
<b>Deliverables :</b> Report to be published in Electra or technical brochure with summary in Electra
<b>Time Schedule :</b> 2011: Kick-off meeting 2013: Final report 2014: Workshop/Tutorial
<b>Strategic Direction:</b> 2, 3 / <b>Technical Issues (TI) :</b> -
<b>Other SCs concerned by the work:</b>
<b>Approval by TC Chairman:</b> Klaus Fröhlich <b>Date:</b> 21/06/2011