



**Study Committee No : B1**

**WORKING BODY FORM**

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| <b>Group No : WG B1 – 11</b>  | <b>Name of Convener : Frédéric Lesur (FR)</b> |
| <b>TITLE of the Group : Upgrading and Uprating of Underground Cables</b>  |   |
| <b>Terms of Reference :</b> <ul style="list-style-type: none"><li>• To review the literature on similar subjects (IEC, CIGRE, IEEE publication),</li><li>• To establish the appropriate terminology,</li><li>• To inventory the possible technical solutions for increasing the transmitted power in an existing cable system, or extending the life duration of the cable system</li><li>• To gather available utility experience in such cases,</li><li>• To list the technical and environmental issues to be addressed in such cases,</li><li>• To propose a step by step approach.</li></ul> |   |
| <b>Scope of work :</b> <ul style="list-style-type: none"><li>• AC and DC cables</li><li>• Extruded and lapped cables</li><li>• Land and submarine cables</li><li>• Cooling systems.</li></ul>   |   |
| Created: <b>2004</b> , Duration : <b>3 years</b>  |   |
| <b>Members</b> : BELGIUM, CANADA, DENMARK, FRANCE, GERMANY, ITALY, The NETHARLANDS, SPAIN, SWEDEN, UNITED KINGDOM, UNITED STATES  |   |
| <b>Deliverables :</b> <p>A final report to be submitted and discussed at 2007 SC B1 meeting.<br/>The final report will be published as a Technical brochure early 2008 after validation by the SC. A 6 page Electra paper will introduce it.</p> <p>If appropriate, a paper will be written for Jicable'2007.</p> <p>In addition, a tutorial will be prepared to disseminate the work done by the WG.</p>   |   |
| <b>Approval by TC Chairman : Aldo Bolza</b>   | <b>Date : December 30, 2005</b>               |

Revised in October 2005: Update of Deliverables