



## STUDY COMMITTEE B2

### Terms of reference of Working Group B2.31 2007 to 2010

<b>Working Group Title :</b>	
<b>Modelling of Aeolian Vibration of single conductors</b>	
<b>Convenor:</b> Giorgio Diana (Italy) <a href="mailto:giorgio.diana@polimi.it">giorgio.diana@polimi.it</a>	<b>Secretary:</b> Hans Joerg Krispin (Germany) <a href="mailto:hansjoerg.krispen@ribe.de">hansjoerg.krispen@ribe.de</a>
<b><u>Terms of reference:</u></b>  The terms of reference of WGB2.31 are to study and report on modelisations of wind-induced vibration. The aim is to assist overhead line engineers to improve line protection and reliability and ensure that this aspect of CIGRE's work is adequately reflected in industry specifications. The duration of the WG is 3 years and will deal with the following aspects  The key needs of the Target Groups have been identified by SCB2 as the following: -  <b>Aeolian vibrations of single conductors strung at relatively high tensile load: modelling and correlation between laboratory and field tests. Application to HV &amp; UHV lines.</b>  <b><u>Specific Actions to meet the key needs are:</u></b>  <b>Aeolian Vibrations of Single Conductors Strung at Relatively High Tensile Load. Application to HV &amp; UHV Lines.</b> Target – ELECTRA report to be published by the end of 2009.  <b><u>Major Links with other Groups</u></b>  <ul style="list-style-type: none"><li>▶ SCs :- None</li><li>▶ WGs : WGB2 on overhead conductors, clamps and fittings</li><li>▶ IEEE :- WG on Overhead Conductors</li><li>▶ IEC :- TC7, TC11 – MT1 &amp; WG09</li></ul>	
<i>Approval by Technical Committee Chairman: Klaus Fröhlich</i> <i>Date: 28-11-2007</i>	