



STUDY COMMITTEE B2

Terms of reference of Working Group WG B2.28: 2010-2012

Working Group title: Meteorological data for assessing climatic loads. Update of IEC TR 61774	
Convenor: Svein M. Fikke (Norway)	Secretary: Brian Wareing (UK) (To be confirmed)
Needs of Target Groups : <ol style="list-style-type: none">1. <i>Are representative climatic data available and are the weather assumptions valid?</i>2. <i>Update of IEC & CENELEC Standards: e.g. IEC 61774, IEC 60826, EN 50341, etc.</i>3. <i>How can we improve continuously the probabilistic design methods of OHL, including security, safety and continuity of service?</i>	
Background: <p>IEC TC11 MT1 requested in 2006 Cigré WG B2.16 “Meteorology for overhead lines” to update the meteorological information given in IEC TR 61774 “Overhead lines – Meteorological data for assessing climatic loads” as well as old and obsolete information in IEC 60826. This relates also to EN 50341. Although the revision of IEC 60826 has progressed, the topics still remain relevant according to Need #3 of Target Groups above. In addition to the reports and information generated by WG16 there is also now available the results from the European COST Action 727 “Atmospheric icing on structures” (completed in 2009) for the same purposes. In particular, new progress has been achieved on the application of numerical weather prediction models for such purposes.</p>	
Terms of reference: <p>WG B2.28 shall compile and restructure updated meteorological knowledge for the purpose of application in international standards, especially on:</p> <ol style="list-style-type: none">a. Turbulent wind enhancements behind steep terrainb. Application on numerical weather prediction modelsc. Measurements and observations of ice loads on overhead line components	
Specific Actions are : <ol style="list-style-type: none">1. Prepare a Technical Brochure to replace IEC TR 61774 “Meteorological data for assessing climatic loads”, as well as related appendices in IEC 60826.<ul style="list-style-type: none">▶ Target – Paris 2012	
Links with other SCs: <p>WGs :- TAG B2.07; IEC:- TC11 MT1; CENELEC:- TC11</p>	
Approval by Technical Committee Chairman: Klaus Fröhlich Date: 30/03/2010	