STUDY COMMITTEE B2

Anti- and de-icing systems for overhead lines- 2007-2009

Terms of reference of Working Group WGB2.29

Working Group title:

Anti- and de-icing systems for HV and UHV overhead lines

Convenor: Masoud Farzaneh (Canada)	***Secretary:*** Franc Jakl (Slovenia)

Needs of target Groups (as defined by SCB2 Action plan of March 2006):

- ***Protection of overhead lines and associated equipment during icing events***

Terms of reference:

Recent catastrophic ice storms in Europe and North America have lead to a renewed interest in issues related to finding more efficient protection of overhead lines against extreme ice accumulation. This includes forecasting and monitoring of icing events, icing prevention (anti-icing) and de-icing (AI/DI) technologies, as well as the issue of sudden ice rupture from cables and conductors.

Specific Actions are:

Systems for prediction and monitoring of ice shedding, AI/DI for OHL and substation equipment of any voltage level, including UHV.

- Process, mechanism and monitoring of ice and snow adhesion and growth
  - Target – Report 2009
- Modern forecasting and simulation methods to predict sudden ice shedding, to be taken into account in the design of overhead lines
  - Target – Report 2009
- Operative systems for the de-icing of overhead power network equipment
  - Target – Report 2009

• New materials and methods for ice prevention (anti-icing) on overhead line cables   o Target – Report 2009
Links with other SCs: WG B2 16, WG B2 12, WG B2.06
Approval by Technical Committee Chairman: Klaus Fröhlich Date: 29 March 2007