



STUDY COMMITTEE B2

Terms of reference of Working Group B2.46

Working Group Title: WIND INDUCED MOTION ON BUNDLED CONDUCTORS (EXCLUDING ICE GALLOPING)

Convenor: Professor Giorgio Diana (Italy) | **Secretary:**

Terms of reference:

SCB2 Strategic Plan 2008 – 2017, Strategic Item 3 ` **Increase of Reliability and Availability of OHL**’

The key needs of the Target Groups have been identified by the SCB2 Customer Advisory Group and AG-06 of SCB2 as the following:- Experimental/field data on bundled conductors of different configurations experiencing wind induced motion will be collected from different sources and compared. The possibility of using any available analytical method for comparison will be investigated. The aim is to assist overhead line engineers to improve line protection by better being able to predict line behaviour with respect to bundle configuration and wind conditions.

This is a continuation of the work of WGB2.31, which is dealing with ` **Aeolian Vibrations of Single Conductors Strung at Relatively High Tensile Load. Application to HV & UHV Lines**’.

Specific Actions to meet the key needs are:

Produce an ELECTRA report or Technical Brochure by the Paris 2014 meeting.
Produce a Tutorial to follow in 2014/15, possibly to include the previous work on aeolian vibration.

Major Links with other Groups

- ▶ SCs :- None
- ▶ WGs :
- ▶ IEEE: - WG on Overhead Conductors
- ▶ IEC :- TC11 – MT1 & WG09

Approval by Technical Committee Chairman: Klaus Fröhlich

Date: 15/12/2010