



**Study Committee No's: C3**

## **WORKING GROUP FORM (Terms of Reference)**

**WG No: WG C3-02**

**Name of Convener: Etienne SERRES (FR)**

**Title of the Group: Sustainable Development Performance Indicators**

### **Scope:**

Transmission infrastructures have small impacts on the Environment compared to heavy industry activities. Some of these impacts are well known and objective: transformer and overhead line audible noise, maintenance work, waste, Joule effect, greenhouse effect due to SF6, oil leakage, PCB issues, wildlife preservation, tree pruning under overhead lines... but some others are subjective and refer to social acceptance issues: visual impact, EMF issues... Contrary to well known locally polluting activities such as mining, iron and steel industries, transmission overhead lines, underground cables, substations, are usually located in open areas, throughout countries. Taking into account Environment is a global issue for Transmission System Operators.

As a consequence, many TSO launched vigorous environmental policies in order to attenuate NIMBY (Not In My BackYard) effects on new infrastructures and to improve existing grid acceptance. In order to measure their efficiencies, these environmental policies must rely on Environmental Performance Indicators. Hence, these indicators are key points towards comparison between TSO or other industrial activities. Because of transmission network particularities, these indicators may be completely different from other industry sectors.

The scope of work for the WG is on a first time:

- to initiate information exchanges between WG members concerning Environmental Performance Indicators,
- to extend the information exchange to TSO not represented in the WG
- to prepare a general overview of TSO experiences regarding Environmental Performance Indicators (State of the Art),
- to share best practices.

Co-operation with Study Committees B1, B2 and B3 and with WG C3-03 "Utilities current practices in Sustainable Development" is recommended.

### **Deliverables / Time schedule:**

- WG to be established during 2004 CIGRE session,
- Annual progress reports to the Study Committee December 2004
- Proposal for further work to be continued. Report to the Study Committee July 2005
- Final Report introducing a comparative analysis of all information collected December 2005

**Composition of the TF:** Eight to ten members coming from the Transmission System Companies or other companies involved in Environmental management.

**Approved by TC Chairman : Aldo Bolza**

**Date : July 19, 2004**