

CIGRE Study Committee B3 >>Substations>>

Working Group Form

Working group No: B3.06

Convenor: Johan SMIT

Title of the working group: <<Substation management>>

Scope

The working group specifically covers all aspects that relate substation performance to system needs. In this regard all areas related to the organization of the substation asset management process will be investigated. Besides the application and implication of newly adopted management principles like risk management philosophies are subject of discussion. These theories may include approaches to maximize usage of substation assets of which the consequences at life time assessment and system influence will be investigated. The main directions outlined in the strategic plan should guide the activities of the working group and the technical, environmental, economical and community acceptance aspects should be an integral part of the activities.

Specific subjects of expertise of this WG include:

- Maintenance management theories
- Reliability/risk management
- Dynamic loading (consequences)
- Replacement management
- Information management
- Maintenance organization
- Asset management

Specific activities to be covered for the moment:

- Information tactics/operation solutions for asset managers.
- Substation life assessment.
- Maintenance outsourcing experiences.
- Benchmarking evaluation

The accountabilities of the working group regarding these activities will be:

- to perform studies and prepare reports based on approved terms of reference
- to identify and suggest new work and to prepare terms of reference therefore
- to maintain a high level of know how in their field
- to provide expertise for own work and for participation in joint work
- to evaluate progress of joint work in which the group participates
- to respond fast to upcoming questions within their field

When and where appropriate, the working group should aim at co-operation with other relevant study committees.

The human resources of the working group should preferably be based on 80% user side and 20% consultants/manufacturers side.

Deliverables

The working group is responsible for the preparation of papers, technical brochures and reports suitable for dissemination during CIGRE sessions in Paris, symposia and colloquia and in Electra publications. Current deliverables are as follows:

- Maintenance experience incl. contracts standards, TB in 2005
- Information tactics for asset managers, 2 x Electra paper in 2005/6
- Information operational aspects followed by TB, 2007/8
- Performance benchmarking, evaluation of experiences, Electra 2006
- Substation life assessment, planned publication 2007/8

Time schedule

The working group will be disbanded upon completion of its last deliverable in 2008.

Approval by TC Chairman: A. Bolza
Updated 01-01-2008 New Covenor Johan Smit

Date: November 1, 2004