

CALL FOR NOMINATION OF CANADIAN REPRESENTATIVE FOR CIGRE STUDY COMMITTEE B5 – PROTECTION AND AUTOMATION FOR 2020-2022 PERIOD

This document describes the criteria for nomination of a CIGRE Canada representative for Study Committee B5 – *Protection and Automation*.

BACKGROUND

The current SC representative for B5 will end his mandate after the 2020 CIGRE Paris Session. In order to continue Canadian participation and representation in this key CIGRE Study Committee, we are soliciting interested members provide their resume and a cover letter describing their interest and ability to commit to representing Canada for the term required.

Responses are required by December 15, 2019 with selection to be completed by January 10, 2020.

MISSION

To facilitate and promote the progress of engineering and the international exchange of information and knowledge in the field of protection and automation. To add value to this information and knowledge by means of synthesizing state-of-the-art practices and developing recommendations.

STUDY COMMITTEE B5 SCOPE OF WORK

Technological Field of Activity

- Power system protection, substation control and automation, remote control systems and equipment, metering systems and equipment.

Scope

Within its technical field of activity, Study Committee B5 addresses topics throughout the asset management life-cycle phases; from conception, through research, development, design, production, deployment, operation, and end-of life. At all stages, technical, safety, economic, environmental and social aspects are addressed as well as interactions with, and integration into, the evolving power system and the environment.

All aspects of performance, specification, testing and the application of testing techniques are within scope, with a specific focus on the impact of changing interactions and demands due to evolution of the power system. Life cycle assessment techniques, risk management techniques, education and training are also important aspects.

Within this framework additional specific areas of attention include:

- Theory, principles and concepts, functionality, technological development, design, performance and application of materials, efficiency,
- Manufacturing, quality assurance, application guidance, planning, routing and location, construction, erection, installation,
- Reliability, availability, dependability, maintainability and maintenance, service, condition monitoring, diagnostics, restoration, repair, loading, upgrading, uprating,
- Refurbishment, re-use/re-deployment, deterioration, dismantling, disposal.

The Study Committee B5 is chaired by Ms. Rannveig S. J. Løken of Stattnet from Norway.

RESPONSIBILITIES OF THE CANADIAN REPRESENTATIVE

SC B5 is organized in a similar fashion as the other 16 CIGRE Study Committees. It has 24 regular members (representatives) and 18 observer members, from 42 countries. Canada is one of the 24 representatives/regular members. The Study Committee conducts its activities through working groups, a SAG (Strategic Advisory Group), a TAG (Tutorial Advisory Group), and three Thematic Groups (TM51 Substation Automation and Remote Control, TM52 Protection and Monitoring, and TM53 New Network Requirements). Canada is represented on B5's SAG, TAG and TM52.

Responsibilities are:

- To participate and bring to the Study Committee the experience that need to be considered when establishing Working Groups,
- To participate in the review of the reports produced by the Working Groups. However, this task is a coordination of collecting comments from Canadian experts in the subject matter and presenting them to the Working Group convenors,
- To participate in the Study Committee meeting (once per year). It is important to attend the meeting to be able to provide our Canadian experience and get first-hand information from the members of the Study Committee,
- To disseminate the information from the Study Committee to the Canadian members of CIGRE who are interested in the field of SC B5. The names of the members will be provided by CIGRE Canada in addition to the candidate's knowledge of the Canadian experts in the industry,

- To approve Canadian members to the Study Committee Working Groups,
- To participate in Working Groups activities.

The role of the Canadian representative is an important role and it provides the candidate with the first-hand access to the latest technical information at an international level. It also allows the candidate to influence the decisions to be taken by the Study Committee internationally. It also provides the candidate and their organization with international exposure.

TERM OF OFFICE

The term of office of members is two (2) years, to be renewed no more than twice in the same Study Committee. In the case of exceptionally active members, a further two-year extension may be granted once only. This term limitation applies also when a member has changed status: the total membership term (Regular and Observer) within a given Study Committee cannot be in excess of eight (8) years.