



**CALL FOR NOMINATION FOR
CANADIAN REPRESENTATIVE FOR CIGRE STUDY COMMITTEE C3
POWER SYSTEM SUSTAINABILITY AND ENVIRONMENTAL PERFORMANCE
FOR THE TERM 2024-2026**

This document describes the criteria for nomination of a CIGRE Canada representative for Study Committee C3 – *Power System Sustainability and Environmental Performance*.

BACKGROUND

The current SC representative for C3 will end his mandate after the 2024 CIGRE Paris Session. 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 January 22, 2024, with selection to be completed by January 29, 2024.

MISSION

The mission of SC C3 is to facilitate and promote the principles of **sustainable development** in the field of power system performance through the global exchange of information and knowledge, generating added value by identifying best practices and developing recommendations in line with global best practices.

STUDY COMMITTEE C3 SCOPE OF WORK

The scope of Study Group C3 covers the interactions between the natural and social environments and the end-to-end electricity system.

It involves addressing environmental and social impacts such as land use, biodiversity; greenhouse gases; air, soil, and water pollution; natural resource consumption; waste generation; electromagnetic fields; noise or landscape. It also considers the prominent role and relevance of different stakeholder groups, with a special focus on local communities.

The role of the power system in relation to the UN Sustainable Development Goals (**SDGs**) is also a field of work for SC3.

MAIN AREAS OF ATTENTION

- **Environmental & social impacts of power system development and operation with a life cycle approach** (from cradle to grave, from planning to decommissioning).
- Identification, assessment, monitoring, and management of impacts.
- Mitigation and offsetting measures.
- Procedures, methodologies, and tools for quantifying, controlling, and mitigating the environmental impact such as life-cycle assessment (LCA), environmental product declarations (EPD), global benchmarking, etc.
- Risks assessment.



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- **Sustainability: role of the power system.** Anticipation to **new trends and challenges.**
- Impacts of relevant and emerging technologies (renewables, storage systems, hydrogen, new materials...).
- Climate change mitigation (decarbonization & Net Zero) and adaptation (risks & opportunities).
- New sustainability approaches: eco-design, eco-efficiency, circularity, supply chain management etc.

- **Stakeholders' engagement and public acceptance**
- Effective communication and cooperation with the public and regulatory authorities to improve public acceptance of power system infrastructure and decision-making processes.
- Tools and engagement strategies.

RESPONSIBILITIES OF THE CANADIAN REPRESENTATIVE

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 C3. 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.
- Responsible for succession planning, which includes making recommendations for the next SC Representative to the Canadian National Committee.



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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.

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 more than six (6) years.