

Working Groups with Australian National Committee Vacancies

CIGRE has more than 240 active Working Groups addressing the most critical technical challenges facing the global power industry. A number of these groups currently do not have an Australian National Committee (ANC) representative, creating a valuable opportunity for CIGRE Australia members to contribute at an international level.

CIGRE Australia members with relevant expertise and an interest in contributing are encouraged to explore these vacancies and get involved. If you are interested in participating in a Working Group or require further information please [email](#).

WG Code Number	WG Title
WG A1.78	Guide for the Application of Electrical and Current Signature Analysis of Electric Motors, Generators and Powertrain
WG A2.75	Tap Changer Specification, Condition Assessment, Testing and Maintenance Guidelines
WG A2.76	Power Transformer Passive Protection Against Internal Arcing Faults
WG A2.78	Bushing Diagnostics: Off-Line Testing and On-Line Monitoring Systems
WG A2.81	Guide for Power Transformer Design Review
WG B1.100	Recommendations for qualification procedures of Metallic Return cable (HVDC systems)
WG B1.101	Recommendations for testing of DC Superconducting Cable Systems
WG B1.95	Mechanical performance and limits of submarine power cable systems
WG B1.99	Evaluation of sustainable power cables system and their installation
WG B3.72	Integration of asset information in modern substations for (asset) management of substation equipment
WG B5.87	Digital Transformation of Protection, Automation and Control Systems: expanding the Application of IEC 61850
WG B5.88	Implementation Guide for fully digital IEC 61850-based Protection, Automation and Control Systems
WG B5.89	Protection Redundancy and Backup for Modern Power Systems
WG C1.57	Charging Infrastructures for EV including Heavy Duty EV: Sustainable Integration into the Power System
WG C1.59	Power- Heat Sector Integration
WG C1.60	Multi-Domain Co-Optimization of Flexibility Resources for High-RES Power Systems
WG C5.38	Certificates of origin for electricity in power markets
WG C5.40	Framework for retail competition in electricity markets
WG C5.41	Regulation and market design to foster decarbonation through industry electrification
WG C6.48	DER's integration in Distribution Systems Operation and Control
WG C6.49	Virtual power plant (VPP) aggregation of distributed energy resources (DER)
WG D1.83	Optical Spectral Sensing Technologies for Partial Discharge (PD) and Arc Detection in Gas-Insulated Equipment

WG D2.60	Consumer-side Digital Models and Twins Application
WG D2.61	High Voltage Power Line Carrier Communications Current State and Future Application
WG D2.62	Efficient spectrum allocation and utilisation for electric power industry private communication networks
WG D2.63	Inter-Control Center Communications Protocol (ICCP) Security and Resilience for Grid Reliability
WG D2.64	Application of AI in Cybersecurity Defence of Power Systems
WG D2.66	Low Voltage Power Line Carrier Communications Application
WG D2.67	Power Embodied Intelligence Technology and Application
WG D2.68	Enhancing Access Management Cybersecurity in Power Utilities
JWG A2/C3.79	Power Transformers and Reactors Sound Levels On Site
JWG A2/C4/D1.77	Design of transformers for very fast transient overvoltages
JWG A3/A2/B3/B4/C4.53	Inductive load Switching in transmission and distribution systems
JWG A3/D2.52	Application of Digital Twin in Switchgear
JWG B4/B1.106	Guideline for VSC HVDC Converter and DC Cable Interface Management
JWG C1.55	A Benchmarking survey on the use of Asset Investment Planning practices and systems by Utilities
JWG C1/B4.58	VSC-HVDC transmission system planning
JWG C4/A3.79	Temporary overvoltage protection technologies for high-voltage transmission systems with large-scale renewable energy bases
JWG C4/B1/B2/B4.78	Interference effects between HVDC circuits and nearby metallic infrastructure
JWG C5/C1.43	Approaches to account for the contribution of short-duration electric storage systems in capacity adequacy assessment
JWG C6/C1/CIRED.50	Planning distribution networks under significant uncertainties
JWG D1/A2.84	Silver Corrosion in Power Transformers