Technical direction

Our 16 Study Committees and domains of work

To translate CIGRE's strategic focus in to specific technical knowledge CIGRE works within 16 domains of work, each with its own expert global Study Committee and programme of work. This is the 'engine room' that drives CIGRE's power system knowledge development and covers the key technical domains of the power system.

CIGRE's Study Committees and domains of work

Group A – Equipment
A1 Power generation and electromechanical energy conversion
A2 Power transformers and reactors
A3 Transmission and distribution equipment

Group B – Technologies
B1 Insulated cables
B2 Overhead lines
B3 Substations and electrical installations
B4 DC systems and power electronics
B5 Protection and automation

Group C – Systems
C1 Power system development and economics
C2 Power system operation and control
C3 Power system sustainability and environmental performance
C4 Power system technical performance
C5 Electricity markets and regulation
C6 Active distribution systems and distributed energy resources

Group D – New Materials and IT
D1 Materials and emerging test techniques
D2 Information systems telecommunications and cybersecurity

Detailed Scope
Follow this link for a detailed summary of CIGRE's scope of work as at 2022.

CIGRE's 16 Study Committees have more than 250 working groups active at any one time. View the current list here.