

Study Committee B1

INSULATED CABLE SYSTEMS

KEY ACTIVITIES AND NEWS OF SC B1

SC B1 HIGHLIGHTS

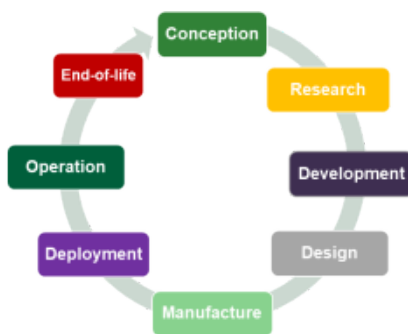
- SC B1 (ex SC 2, ex SC 21) founded in 1927, now 95 years... young!
- Average of 4 published Technical Brochures per year
- Additional publications include Green Books and CIGRE Newsletters
- Intensive use of CIGRE Webinars, with high participation rates
- CIGRE Next Generation Network (NGN) represented in SC B1, 20% of participants to WGs are NGN

SC B1 Chairman Marco Marelli (IT) will conclude his term at end of Session 2022, replaced by Geir Clasen (NO)
Secretary of SC B1 is Matthieu Cabau (FR)

SCOPE OF SC B1

The scope of work of Study Committee B1 includes:

- Theory
- Design
- Applications
- Manufacture
- Quality Assurance
- Installation
- Testing
- Operation
- Maintenance
- Diagnostic techniques
- End-of-life



for all types of AC and DC insulated cable systems for land and submarine applications. This may cover transmission and distribution, power cable systems associated with micro-grids and the integration of distributed resources.

SC B1 is also engaged to make the best use of existing systems, preparing the electrical power system of the future and focusing on environment and sustainability.

TECHNICAL BROCHURES RECENTLY PUBLISHED AND CLOSE TO PUBLICATION



Published in the past months:

- TB 852 – Recommendations for testing DC extruded cable systems for power transmission at a rated voltage up to and including 800 kV
- TB 853 – Recommendations for testing DC lapped cable systems for power transmission at a rated voltage up to and including 800 kV
- TB 862 – Recommendations for mechanical testing of submarine cables for dynamic applications

To be published in Q3-2022:

- TB 880 from WG B1.56 – Power cable rating examples for calculation tool verification
- TB from WG B1.65 – Installation of Submarine Power Cables

LET SC B1 KNOW WHAT ARE YOUR NEEDS

Customer Advisory Group CAG B1 collects your views and needs

- What are the current industry issues?
- What challenges do you face?
- What should SCB1 be studying next?

Email your ideas to the Customer Advisory Group: cigre.scb1.cag@gmail.com