

2008 CIGRE Session
Preferential Subjects SC B1

B1 2008 PS 1

Technical challenges overcome in newly installed underground and submarine transmission systems.

- Current state-of-the-art in design, testing of AC and DC, submarine and underground cable systems (including High Temperature Superconducting, HTS) and Gas Insulated Lines (GIL).
- Innovations in cable systems installation.

B1 2008 PS 2

Current and future methods supporting efficient operation, maintenance and upgrading/replacement decisions of cable systems.

- Maintenance policies.
- Diagnostic methods applied to Cable Systems.
- Remaining Life Assessment Methods.

B1 2008 PS 3

Future technical solutions of underground and submarine transmission systems addressing environmental and economical considerations.

- Balancing environmental requirements against economy.
- Electromagnetic Fields (EMF) mitigation, restricted access, installation in tunnels, bridges and along motorways and railways.
- Development trends towards higher voltages and ratings.