Reference: SESSION2018

Type: Session Papers & Proceedings

Title: 2018 CIGRE SESSION

Abstracts

This set records the papers + proceedings discussed at the 2018 Session (Session 47).

SC A1 ROTATING ELECTRICAL MACHINES
SC A2 POWER TRANSFORMERS AND REACTORS
SC A3 TRANSMISSION & DISTRIBUTION EQUIPMENT
**SC B1 INSULATED CABLES**
SC B4 DC SYSTEMS AND POWER ELECTRONICS
SC B5 PROTECTION AND AUTOMATION
User Experience and Current Practice with IEC61850

The Development of a Multi-Vendor Power System

- Innovative Power Tool for Standard-Based Procurement
- Separation of Operational and Digitalization
- Efficient Upgrade's of Protection and Automation
- Enhanced System Stability with Process Bus Concept, including Cyber Security
- Load Shedding and Under-frequency Stabilization
- Interoperability of Multi-Vendor Substations
- Sampled Digital Relay Testing and Digital Testing of Busbars
- Analysis of Process Bus Bar-Based in EDP Application
- Digital Solution for Substation Integration in Russian Federation
- Field Application of Digital System for High Voltage System for the Generator-Transformer Unit of Nizhegorodskaya Hydroelectric Power Plant (HPP)
- Integrated Testing in the 30th Anniversary of the Statnett Grid and the DINORWIG Project
- Application of Field Application Process Bus in India for New Energy Source
- Case Study of Process Bus Deployment in India
- Security Issues and Future Prospects of Process Bus
- Use of EIC bus on IEC 61850 and 61869-9 for Analysis of System Components
- Field Application of Digital System in Thailand and Slippage Protection
- Emerging Challenges of Process Bus in India
- Development and Economics

References: B5-108, B5-109, B5-110, B5-111, B5-112, B5-113, B5-114, B5-115, B5-116, B5-117, B5-118, B5-119, B5-202, B5-204, B5-206, B5-207, B5-208, B5-209, B5-210, B5-211, B5-212, B5-213, B5-214, B5-215, B5-216, B5-217
SC C3 POWER SYSTEM ENVIRONMENTAL PERFORMANCE
SC C4 POWER SYSTEM TECHNICAL PERFORMANCE
SC C6 ACTIVE DISTRIBUTION SYSTEMS AND DISTRIBUTED ENERGY RESOURCES