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# SF<sub>6</sub>-Application in the Electric Power Industry



25-03-2015



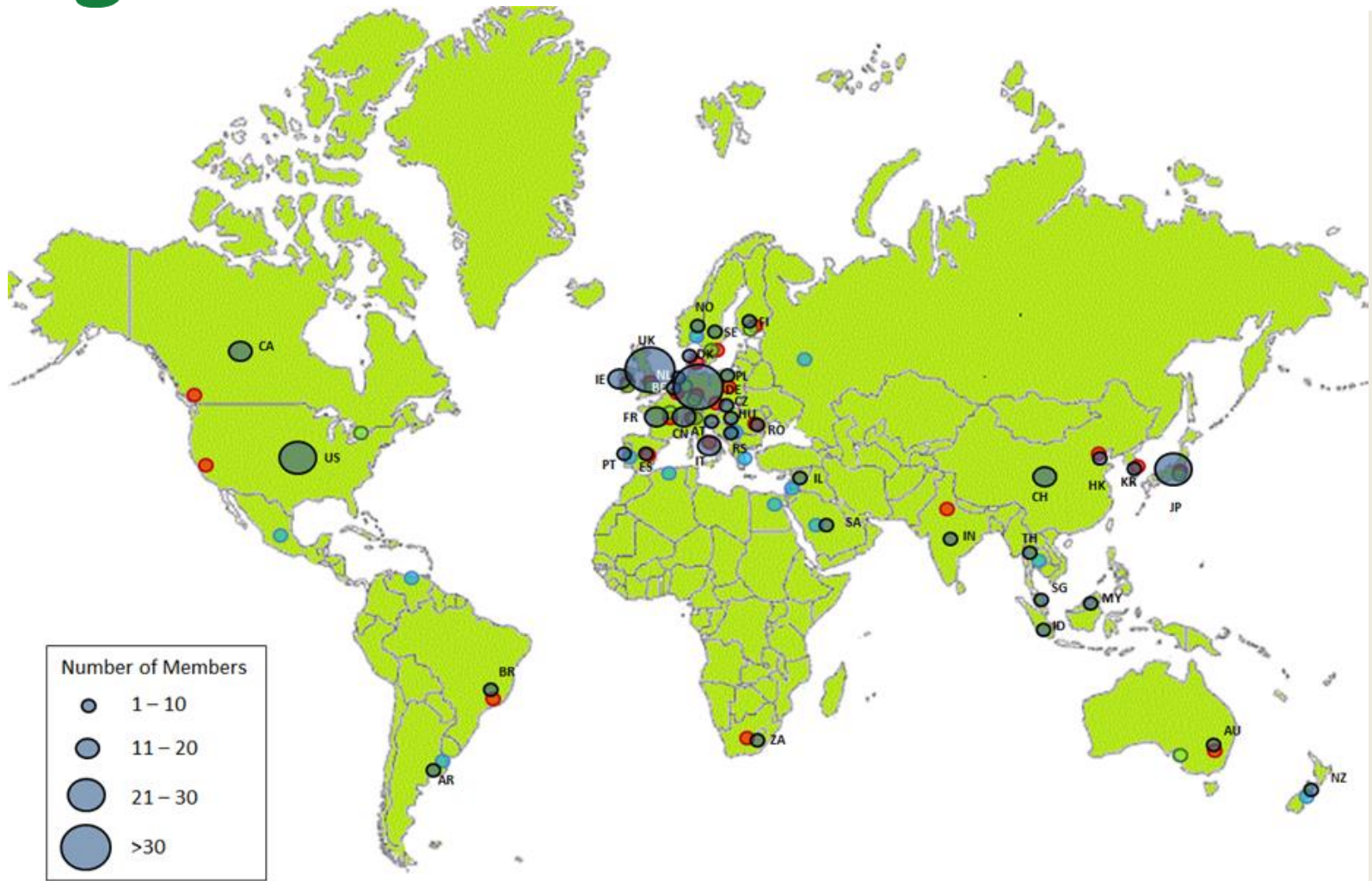


- **Conseil International des Grands Réseaux Électriques**
- **International Council On Large Electric Systems**



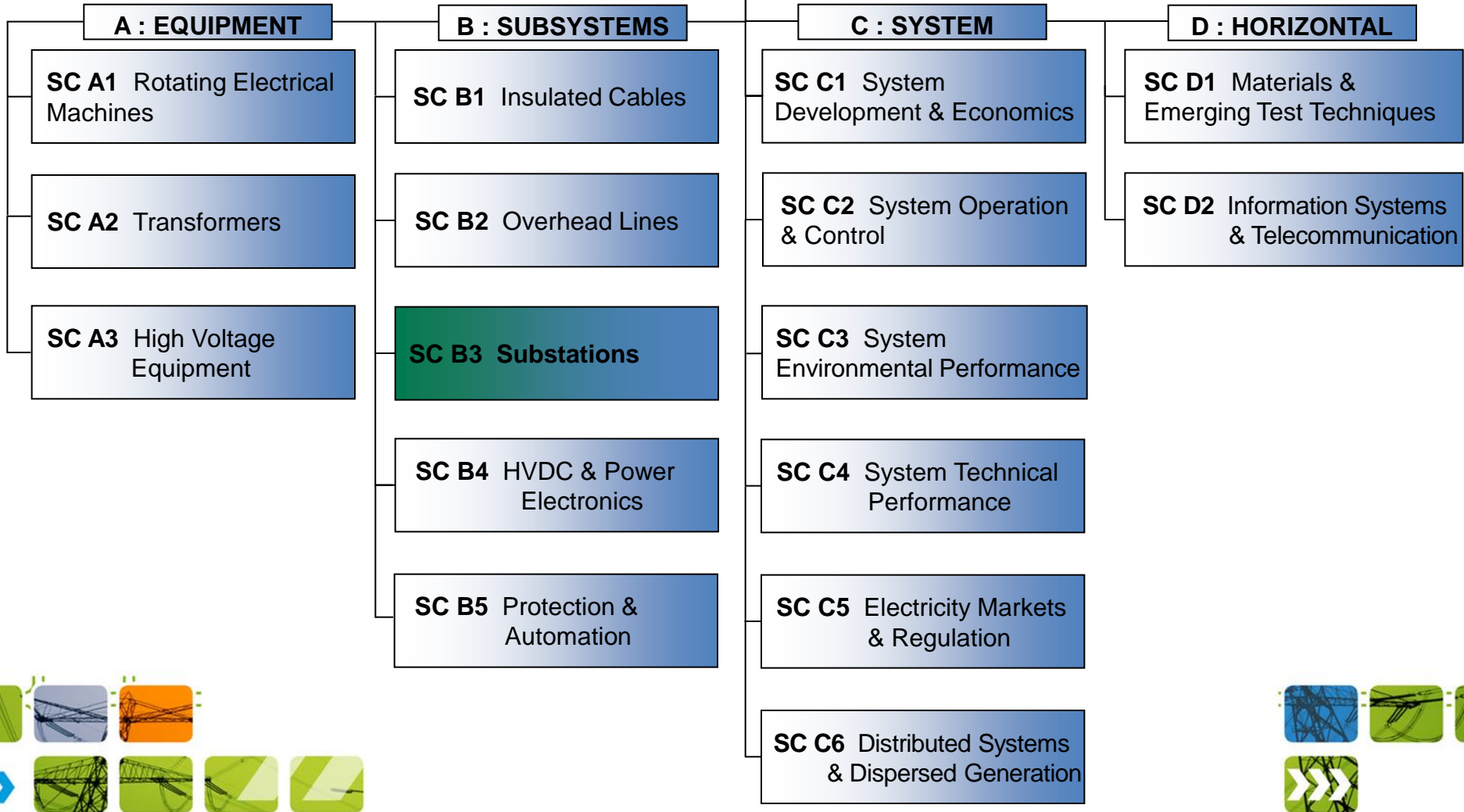
- Founded in Paris in 1921
- Worldwide non-profit association.
- Addresses issues related to the development, operation and management of electric power systems
- Includes design, construction, maintenance and disposal of equipment and plants.
- 8000 members in 89 countries







# Technical Committee





# Nationaal Studie Comité B3

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Strategic Advisory Group

SC B3 Secretary

SC B3 Chairman

Customer Advisory Group

Tutorial Advisory Group

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24 Regular Members, 14 Observer Members, 2 Special Reporter, all WB Convenors

B3.13

Reducing replacement time of HV Equipment

B3.25

SF6 analysis for AIS, GIS and MTS condition assessment

B3.23

Guidelines for uprating and upgrading of substations

B3.34

Expected impact of future grid concept on substation management

B3/C1/C2.14

Circuit Configuration Optimisation

B3.29

Field test technology on UHV substation construction and operation

B3.31

Air insulated substations design for severe climate condition

B3.36

AC Collector Systems and Substations associated with HVDC connected Wind Powers Plants

B3.30

Guide to minimize the use of SF6 during routine testing of electrical equipment

B3.32

Saving through optimized maintenance of Air insulated Substations

B3.35

Substation earthing system design optimisation through the application of risk analysis

JWG B3/B1.27

Factors for investment decision GIL vs. Cables for AC Transmission

B3.XX

Internal arc effects in medium voltage switchgear

WG B3.24

Benefits of PD diagnosis on GIS condition assessment

B1/B3.33

Feasibility of a common dry type interface for GIS and Power cables of 52 kV and above

B3:36  
Sidney Wijnbergen  
Piet Knol

B3:32  
Theo van Rijn

B3:XX  
Yvette Peterman-Gunther

B3:34  
Johan Smit





# Brochures Studie Comité B3

B3.11	<i>Combining Innovation with Standardisation</i>	389
B3.12	<i>Obtaining value from Substation Condition Monitoring</i>	462
B3.15	<i>Cost Reductions of Air Insulated Substations</i>	354
B3.10	<i>Primary /Secondary system interface modelling for total asset performance optimization</i>	472
B3.17	<i>Residual Life Concepts Applied to HV GIS</i>	499
B3.20	<i>Mixed Technologies Switchgear MTS</i>	390
B3.18	<i>SF<sub>6</sub> Tightness Guide</i>	430
B3.21	<i>Turnkey Substations</i>	439
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B3.26	<i>Guidelines For The Design And Construction Of AC Offshore Substations For Wind Farms</i>	483
<b>B3.29</b>	<b>Field Tests for UHV Substations (with CIGRE)</b>	
<b>B3.25</b>	<b>SF<sub>6</sub> Analysis for AIS, GIS and MTS Condition Assessment</b>	
<b>B3-C1-C2.14</b>	<b>Circuit Configuration Optimisation (JWG)</b>	
<b>B3.06</b>	<b>IT Strategies for AM of Substations-General principles</b>	



# Program

Afternoon Session		
Time	Topic	Name
12:30 - 13:00	Entrance	
13:00 - 13:10	Welcome/introduction	Piet Knol (HOL)
13:10 - 14:30	SF6-Application in the electric power industry	Peter Glaubitz (GER)
14:30 - 14:45	Coffee break	
14:45 - 16:00	Residual life aspects on GIS – with the focus on SF6	Karsten Pohlink ( SUI)
16:00 - 16:15	F-gassenregelgeving	Rijkswaterstaat
16:15 - 16:30	Panel discussion	

