

# **CIGRE A3- new Working Groups**

- A3.24 Tools for Simulating Internal Arc and Current Withstand Testing, chair- M. Kriegel, CH, TOR available upon request
- US members:
  - Nenad Uzelac, G&W
  - Mietek Glinkowski, ABB Inc.
- Progress- first set of test results collected, prelim. simulations of test results performed to reproduce the tests, IEC test requirements for 90% peak current discussed, some cotton sample tests performed comparing NFPA 70E and IEC 62271-200/C37.20.7





- A3.25 Metal Oxide varistors and surge arresters for emerging system conditions, chair- B. Richter, CH, TOR available upon request
- US members:
  - none so far, sent message to SPD Chair frank.waterer@us.schneider-electric.com
  - Corresponding members:
    - Jon Woodworth Arresterworks
    - Mike Pouber Hubbell



### **A3.26**

- A3.26 Influence of shunt capacitor banks on circuit breaker fault interruption duties, Chair: Anne Bosma, SE, TOR available upon request
- US members:
  - Roy Alexander, PPL
  - Luke Collette, Mitsubishi
- Corresponding members:
  - Mark McVey, Dominion
  - Jeff Nelson, TVA
  - Nicolas Toquet, Areva
- Others interested as well



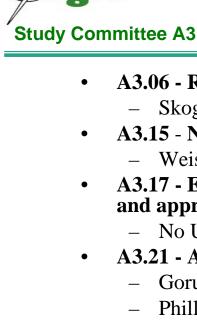
### A3.27

- A3.27 The impact of the application of vacuum switchgear at transmission voltages, chair: Rene Smeets, NL, TOR available upon request
- US members:
  - Kirk Smith, Eaton
  - Mietek Glinkowski, ABB Inc.
  - Pete Meyer, S&C
  - Dave Johnson, consultant (new)
- Corresponding member:
  - Ben Bufi, HVB
  - Ken Edwards, BPA



## **Proposal for A3.2x**

- A3.2x MANAGEMENT OF AGEING SUBSTATION EQUIPMENT
- Scope:
  - Material and equipment deterioration/degradation
  - Lifetime (residual life) assessment techniques
  - Life extension:
  - Life management for new equipment
- Full proposal available on request



# Older WGs and US participation

- A3.06 Reliability of High Voltage Equipment
  - Skog, John, USA, Maintenance and Test Engineering
- A3.15 Non Conventional Instrument Transformers (NCIT's)
  - Weiss, Stephan, USA, Schniewindt
- A3.17 Evaluation of Stresses of Surge Arresters and appropriate Test Procedures
  - No US members
- A3.21 Application of non-ceramic insulators to HV and MV apparatus
  - Gorur, Ravi, USA, Arizona State University
  - Phillips, Andrew, cM, USA
- A3.22 Technical Requirements for Substation Equipment exceeding 800 kV
  - Brunke, John H., cM, USA, Consultant
  - Keri, Albert, USA, AEP
  - Rashkes, Victor S., cM, USA, Consultant
  - Shperling, Ben, USA, New York Power Authority
  - Yeckley, Russ, cM, USA, Mitsubishi Electric
- A3.23 Application and feasibility of fault current limiters in power systems
  - Folts, USA, AMSC
  - Lambert, USA, NEETRAC
  - Steurer, Michael, USA, CAPS
  - Sundaram, USA, EPRI
  - Weber, USA, SuperPower Inc.





#### Other news

- Last SC A3 meeting: August 17-21, 2009, Capetown, ZA, Colloquium together with SC B3 and A2,
  - A3 Highlights:
    - A3.21 Non-ceramic Insulators WG is finalizing the technical brochure. Proposed to make a presentation at the next Switchgear Com. meeting (Spring 2010) to synergize with SDTF (Chris Ambrose). New WG might be established focused on MV
    - A3.23- FCL the WG stands that it is too early to develop any testing guides or procedures that is in contrast to the new FCLT ADSCOM Task Force
    - A3.26 Capacitor bank switching change of TOR proposed to expand to closing, b-t-b, CL reactors. Also produce 2nd TOR for the capacitors themselves,
    - A3.27 Vacuum switchgear at Transmission voltages over 4000 units reported in service, mainly CN, JP, mainly in industrial sector, difficult to find out where, no data from USA, need input from the US users,
- Contact info:
  - US NC rep: Mietek.glinkowski@us.abb.com