

# 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

- **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](mailto: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](mailto:Mietek.glinkowski@us.abb.com)