

USNC Representative of SC A3

- Change of the SC A3 US representative- from Roy Alexander to Mietek Glinkowski
- Existing A3 WGs (convenors)
 - A3.06: Reliability of HV Equipment (CE Solver, SE)
 - A3.15: Non Conventional Instrument Transformers (P. Tantin, EdF)
 - A3.16: Fault Current Limiters (H. Schmitt, DE)
 - A3.17: Stresses on Surge Arresters (B. Richter, ABB CH)
 - A3.18: Operating Env. Of Voltage Grading Capacitors in HV CB (Magne Runde, SINTEF, NO)
 - A3.19: Implications of 3-ph faults TRV on Standards (A. Janssen, NL)
 - A3.20: Simulations and Calculations Tools (M. Kriegel, CH)
 - A3.21: Application of Non-ceramic insulators to HV and MV apparatus (M. DeNigris, CESI)
 - A3.22: Tech Requirements for SS equipment exceeding 800kV (Hiroki Ito, JP)

US participation in SC A3 WGs

- A3.06- John Skog, Maintenance and Test Engineering Co.
- A3.15- Stephan Weiss, Schniewindt
- A3.16- Michael Steurer, Center for Advanced Power Systems, FSU (*Ken Edwards* , *BPA- new member*)
- A3.17- no members
- A3.18- no members
- A3.19- R. Alexander (PPE), M. Aristizibal (PA B), J. Brunke, A. Jonson (BPA), Don Shoup (Mitsubishi)
- A3.20- R. Alexander (cM), M. Glinkowski (ABB), Xi Zhu (HVB)
- A3.21- Andrew Phillips (cM), (*Ravi Gorur, ASU- new member*)
- A3.22- J. Brunke (cM), R. Gorur (ASU)-retire, Albert Keri (AEP), John Oglevie-retire (Power Engineers Inc.), Victor Rashkes (Consultant, cM), Ben Shperling (NYPA), Luke VanDer Zel (EPRI)-retire, Russ Yekley (Mitsubishi, cM)

Summary of SC A3

Working Bodies
SC A3: High Voltage Equipment

September 2007

Type	Number	Title	Name of Convener	Created	Disbanded
AG	A3.01	Strategic Planning	M. Waldron (GB)	2002	
AG	A3.02/03	IEC/IEEE Coordination	not active	2002	
AG	A3.04	Tutorials	D. Peelo (CA)	2001	
WG	A3.06	Reliability of High Voltage Equipment	C. Sölver (SE)	2002	2008
WG	A3.12 disbanded	Circuit Breaker Controls	H. Wilson (US)	2001	2006
WG	A3.13 disbanded	Changing Network Conditions and System Requirements	A. Janssen (NL)	2003	2006
WG	A3.15	Non Conventional Instrument Transformers	P. Tantin (FR)	2004	2007
WG	A3.16	Fault Current Limiters	H. Schmitt (DE)	2003	2007
WG	A3.17	Surge Arrester	B. Richter (CH)	2003	2007
WG	A3.18	Grading Capacitors	M. Runde (NOR)	2003	2007
WG	A3.19	Implication of 3 Phase Line Fault TRVs on cb-standards	R.Alexander (US)	2005	2008
WG	A3.20	Simulations and Calculations as Verification Tools	M. Kriegel (CH)	2005	2008
WG	A3.21	Application of HV apparatus with composite insulators	M. De Nigris (IT)	2006	2009
WG	A3.22	Tech. Requirements for Substation Equipment > 800 kV	Hiroli Ito (JP)	2007	2009
New Groups					
New Proposals					
WG		Guidelines and selection of Fault-Current-Limiters	tbd		
WG		NCIT – testing and calibration	tbd		
WG		Capacitor bank switching and impact on equipment	tbd		
WG		Simulation - Calculation – Arcing test-Temperature rise	tbd		
WG		UHV - Instrument transformer	tbd		
WG		Surge arrester – new fields	tbd		

New Working Groups

- WG A3.23 – (follow up on A3.16) Application and Feasibility of Fault Current Limiters in Power Systems – preliminary US members: Ken Edwards (BPA), Folts (AMSC), Frank Lambert (NEETRAC-GeorgiaTech), M. Steurer (FSU), Sundaram (EPRI), Weber (SuperPower).
- WG A3.24 – (follow up on A3.20) – Simulating internal arcs and current withstand testing – preliminary US members: Mietek Glinkowski (ABB), N. Uzelac (G&W).
- CIGRÉ working group A2/C4.39 *Electrical Transient Interaction between Transformers and the Power System*

New Work items proposals

- Influence of shunt capacitor banks on circuit breaker fault interruption duties
- Vacuum (state of the art)
- Electronic Instrument Transformers
- Surge arrester follow-up WG
- Cable terminals applied in mixed cable-OH-lines (jointly with B3)
- Out-of-phase switching

Next SC A3 meeting

- August 17-21, 2009, Capetown, ZA
- together with SC B3 and A2