



Study Committee B4 - HVDC and Power Electronics

Chairman **Mohamed Rashwan**
Secretary **Joanne Hu**

Session: **SC Meeting, SC B4**
Date: **31-August-2018**
Place: **Room 243**
Venue **Palais des Congrès**
Time **9:00 to 17:30**

Draft Agenda

Item	Description	Responsible
1.1.	Cigre Antitrust Guidelines	Mohamed Rashwan
1.2.	Opening remarks	Mohamed Rashwan
1.3.	Introduction of the new regular members	Mohamed Rashwan
2.1.	Minutes of 2017 Winnipeg meeting	Mohamed Rashwan Joanne Hu
3.1.	Technical Committee Activities Report, TC awards and patent policy, Cigre Logo	Mohamed Rashwan
3.2.	2018 Session report	Carsten/Mojtaba
3.3.	Cigre tutorial policy	Mohamed Rashwan
3.4.	2018 Tutorial	Mohamed Rashwan
3.5.	Reviewers and best papers for CSE	Mohamed Rashwan
3.6.	B4 Website	Prieto Garcia

4.0	Advisory Groups	
	4.1. AG 01: Strategic Advisory Group	Mohamed Rashwan
	4.2. Green book on FACTS	Bjarne Andersen Stig Nilsson
	4.3. Green book on Electricity supply of the future	Mohamed/Carl
	4.4. HVDC Compendium	Makino-Narinder
	4.5. AG 04: HVDC & FACTs System Performance	Narinder Dhaliwal

5.0	Working Group Reports <i>Recognitions of WGs that have completed their assignments</i> <ul style="list-style-type: none"> • WG B4.58: Devices for load flow control and methodologies for direct voltage control in a meshed HVDC Grid (TB699) • WG B4.60: Designing HVDC Grids for Optimal Reliability and Availability performance (TB713) • WG B4.63: Commissioning of VSC HVDC Schemes (TB697) 	Mohamed Rashwan
	5.1. JWG Control and Protection of HVDC Grids B4/B5.59	Kees Koreman
	5.2. WG B4.64 Impact of AC System Characteristics on the Performance of HVDC schemes	Jef Beerten
	5.3. WG B4.66 Implications for harmonics and filtering of the staggered installation of HVDC converter stations in proximate locations	Fernando Cattan



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	5.4.	WG B4.67	Harmonic aspects of VSC HVDC, and appropriate harmonic limits	Nigel Shore
	5.5.	WG B4.68	Revision of Technical Brochure 92 – DC Harmonics and Filtering	Nigel Shore
	5.6.	JWG C4/B4.38	Network Modelling for Harmonic Studies	Nigel Shore representing Marta Val Escudero
	5.7.	WG B4.69	Minimizing loss of transmitted power by VSC during	Dennis Woodford
	5.8.	WG B4.70	Guide for Electromagnetic Transient Studies involving VSC converters	Denetiere Sébastien
	5.9.	WG B4.71	Application guide for the insulation coordination of Voltage Source Converter HVDC (VSC HVDC) stations	Mojtaba Mohaddes
	5.10.	WG B4.72	DC grid benchmark models for system studies	Ting An
	5.11.	JWG B4/B1/C4.73	Surge and extended overvoltage testing of HVDC Cable Systems	Markus Saltzer
	5.12.	WG B4.74	Guide to Develop Real Time Simulation Models (RTSM) for HVDC Operational Studies	Qi Guo
	5.13.	WG B4.75	Feasibility Study for assessment of lab losses measurement of VSC valves	Christian Rathke
	5.14.	WG B4.76	DC/DC converters in HVDC Grids and for connections to HVDC systems	Dragan Jovicic
	5.15.	TF B4.77	AC Fault response options for VSC HVDC Converters	John Gleadow
	5.16.	WG B4.78	Cyber Asset Management for HVDC/FACTS Systems	Kerry Walker
	5.17.	JWG C2/B4.38	Capabilities and requirements definition for Power Electronics based technology for secure and efficient system operation	Jan van Putten

6.0	Present & Future meetings			
	6.1.	Preferential subjects for Paris 2020 and special reporters		Mohamed Rashwan
	6.2.	South Africa 2019		Nombuso Ramaite
	6.3.	2019 Alborg Denmark Symposium C4/B1/B4/C1/C2 June 3 to June 6		Mohamed Rashwan Peter Weinreich-Jensen
	6.4.	Hakodate Japan 23-26 April Cigre/IEC UHV & EHV (AC&DC) Symposium A2/A3/B1/B2/B3/B4/C4/D1 Call for paper Registration		Mohamed Rashwan Hiroyuki Furukawa
	6.5.	2021 Meeting - Salzburg & Vienna, Austria		Alexander Grisenti
	6.6.	2021 Meeting - Guangzhou, China		Hong Rao



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7.0	New Working Group Proposals	Mohamed Rashwan
	7.1. New WG for developing modelling of wind turbines and their generators for Wind	
	7.2. DC and PE in distribution system	
	7.3. Discussion if there is a need for a WG on UPFC	
8.0	Reports from other Organizations	
	8.1. IEC TC115	Yanny Fu
	8.2. IEC/SC22F	Lev Travin Secretary of IEC/SC 22F
9.0	HVDC and FACTS Schemes Under Construction or Planned	
	9.1. GE (UK, USA)	Carl Barker/Neil Kirby
	9.2. Kunliulong hybrid LCC/VSC multi terminal HVDC project (CSG, China)	Hong Rao
	9.3. Four terminal DC distribution project in Zhuhai City China (CSG, China)	Shukai Xu, CSG, China
	9.4. ALEGrO and the NEMO projects (VSC HVDC – 1000MW) (Elia, Belgium)	Rimez Johan
	9.5. HVDC project in Denmark (Siemens, Denmark)	Peter Weinreich-Jensen
	9.6. Introduction of current HVDC/FACTS projects in Korea	Dr. Yonghak Kim
	9.7. C-EPRI HVDC Project and Technology	Dr. Kunpeng Zha
	9.8. Italy	Stefano Malgarotti
	9.9. Siemens	Carsten Bartzsch,
	9.10. ABB	Bo Westman
10.	Operational Experiences of Existing HVDC and FACTS Schemes	
	10.1. Operation of the INELFE link (RTE)	Dr. Hani SAAD France
	10.2. Xingu-Estreito HVDC Link - The first 800 kV HVDC in the West	Ricardo Tenorio
	10.3. ENTSO-E HVDC reliability task force status update	Rauhala Tuomas
	10.4. NordAM - Nordic Asset Management Forum - HVDC O&M task force	Rauhala Tuomas
11.	Any other business	All
12.	Adjournment	Mohamed Rashwan