

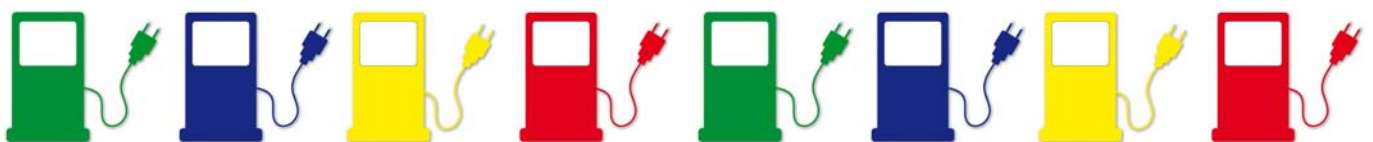


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## IEC 10th ACOS Workshop

### Safety aspects in the area of E-mobility

Frankfurt, Germany, 20 and 21 February 2013



## DAY 1

09.00 – 09.15	Welcome	German NC of IEC
<b>Session 1</b>		
<b>International Standardization, IEC ACOS and Conformity Assessment</b>		
09.15 – 09.25	Purpose of the Workshop	F. Harless
09.25 – 09.45	The IEC and Advisory Committee on Safety (ACOS)	Ch. Jacquemart
09.45 – 10.15	Possible Service of CAB/IECEE in the area of e-mobility	CAB/IECEE representative Pierre de Ruvo
10.15 – 10.30	Questions and discussion	
10.30 – 10.45	Coffee break	
<b>Session 2</b>		
<b>Safety related e-mobility standardization activities in IEC</b>		
10.45 – 11.15	Relevant IEC Basic Safety and Group Safety standards, e.g. <ul style="list-style-type: none"> <li>- Protection against electric shock</li> <li>- Insulation requirements</li> <li>- Functional safety</li> <li>- Electromagnetic fields</li> </ul>	SG6 Chairman Claude Ricaud ACOS Chairman elect (Philippe Juhel)
11.15 – 12.00	Work program IEC/TC 69 “Electric road vehicles and electric industrial trucks” including safety related aspects of .d.c. charging systems for e-vehicles	Representative of IEC/TC 69 Mr van den Bossche
12.00 – 12.30	Safety of batteries (incl. fire hazards)	Dr. Goldbeck, VDE Testing and Certification Institute
12.30 – 13.30	Lunch	
13.30 – 14.00	Presentation from CEEIA (China) representative: “Safety requirements and inspection methods for e-mobility charging equipment”	Lu Yao
14.00 – 15.30	Relevant IEC product standards outside e-vehicles Installation rules incl. smart grid and smart metering (TC 64, TC 57, PC 118)	Holger Krings Member of TC57/WG17
15.30 – 16.00	Coffee Break	
16.00 – 16.10	IEC President’s address to the Workshop	IEC President Dr. Klaus Wucherer
16.10 – 17.10	Present work program and future projects of ISO TC 22 related to electrotechnical aspects in e-cars	Representative of ISO TC 22/SC 21 Dr. Wunderlich
17.10 – 17.25	Discussion of session 2	Session 2 Leader
17.25 – 17.40	Arrangements for breakout sessions on 2 <sup>nd</sup> day	F. Harless



## DAY 2

09.00 – 09.10	Welcome	F. Harless
9.10 – 9.20	<b>Session 3.1</b>	<b>P. Juhel</b>
9.20 – 9.50	Electrical safety aspects inside e-cars	V. Rothe
9.50 – 10.20	Discussion (taking place in the lobby)	
10.20 – 10.50	Coffee break	
10.50 – 11.00	<b>Session 3.2</b>	<b>R. Schultz</b>
11.00 – 12.00	Functional safety in relation with e-vehicles, Presentation of core elements of IEC 61508 and ISO 26262 each 30 Minutes	R. Bell N. Becker
12.00 - 13.30	Lunch	
13.30 – 13.40	<b>Session 3.3</b>	<b>G. Luber</b>
13.40 – 14.40	Safety aspects related to an e-vehicle connected to the grid including safety related aspects of d.c. charging Presentation from IEC/TC 23 Presentation from IEC/TC 64 Presentation from IEC/TC 69	C.D. Ziebell E. Tison P. van den Bossche
14.40 – 15.10	Coffee Break	
15.10 – 15.40	Presentation from ISO/TC 22/SC21	Dr. Wunderlich
15.40 – 16.10	Discussion (taking place in the lobby)	
16.10 – 16.30	Closing remarks	ACOS Chairman elect
16.30	Refreshments	

