

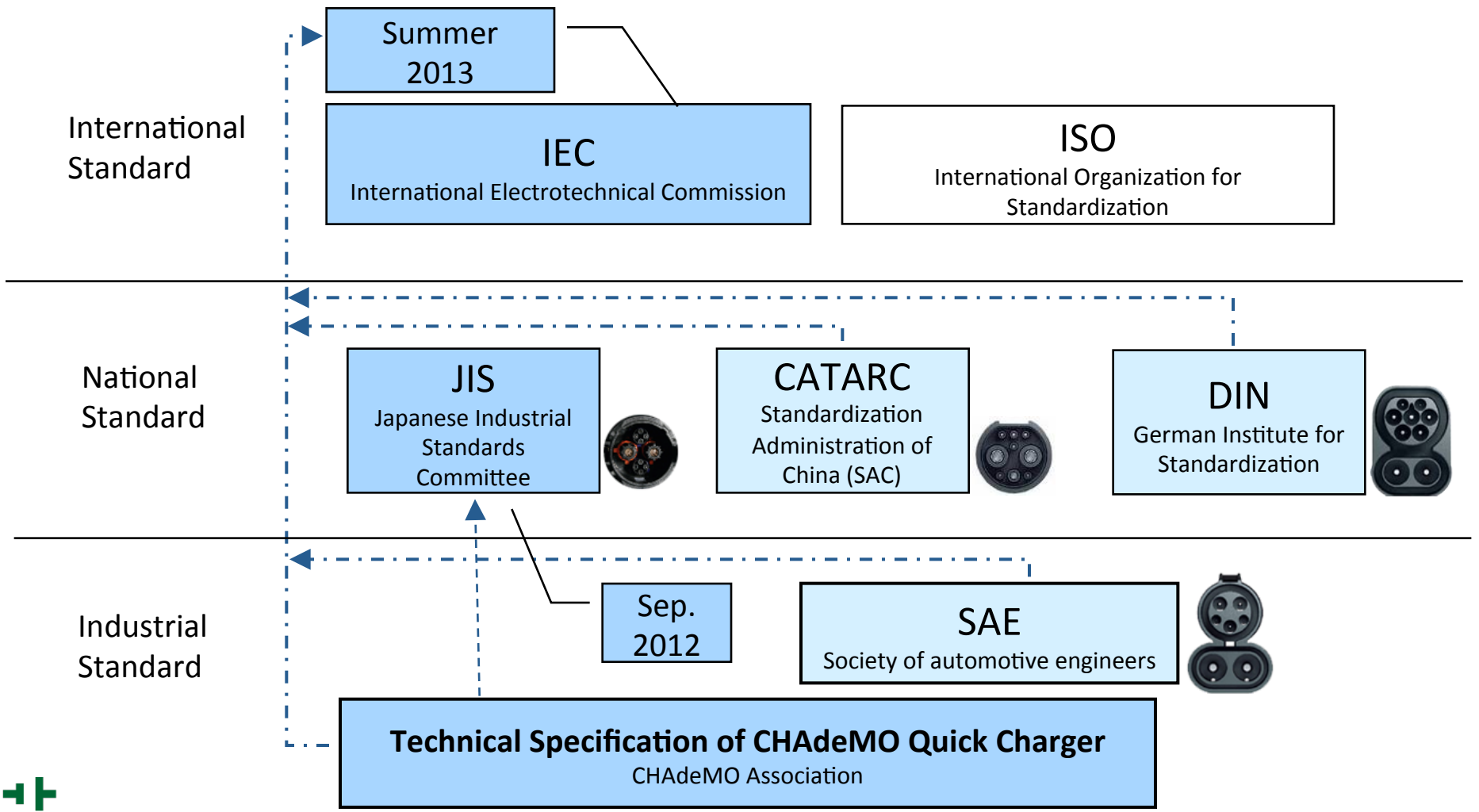


DC Charging System IEC International Standards

Brussels, February 19, 2013

CHAdeMO Association

Standardization Overview

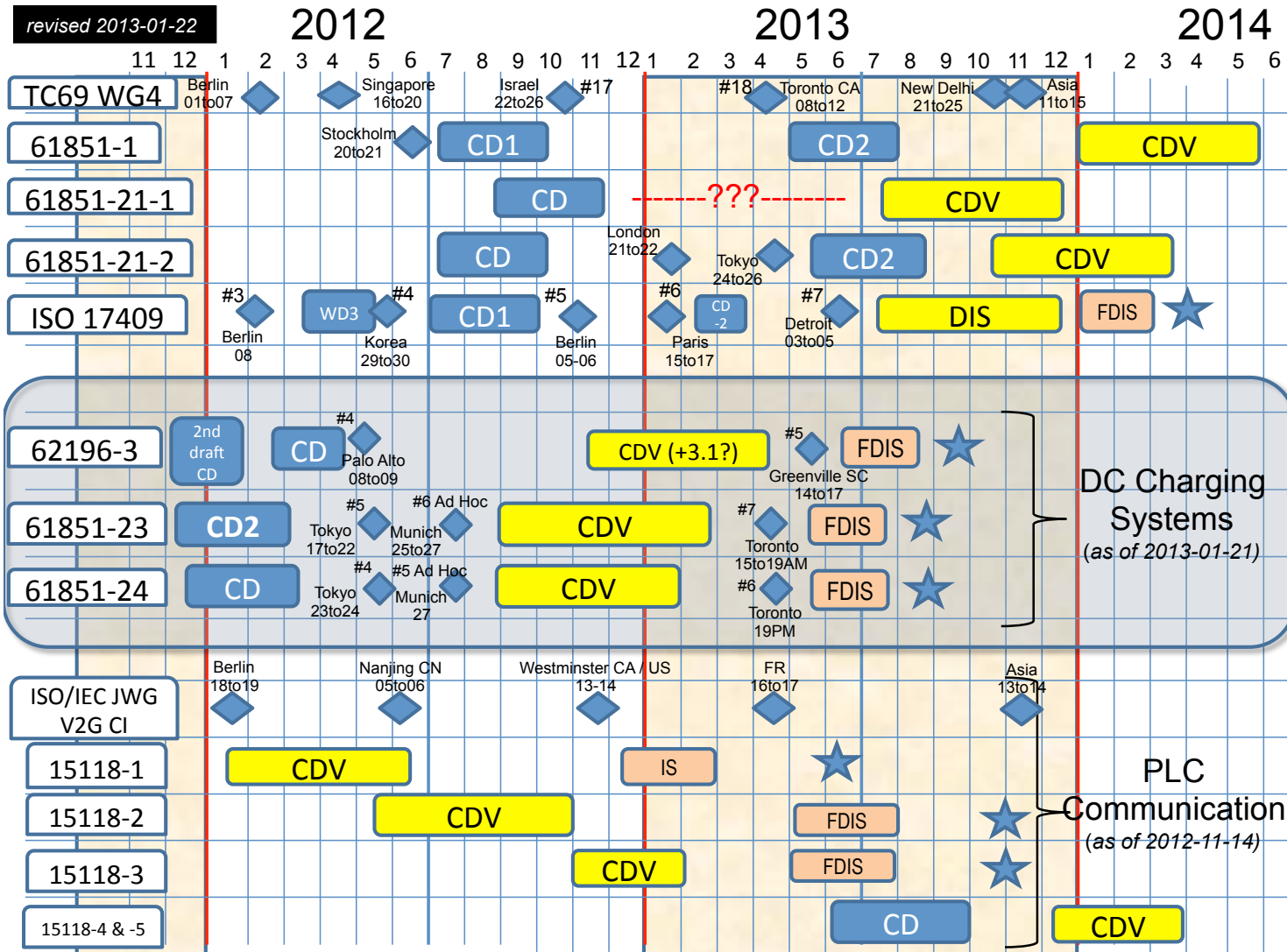


IEC DC Charging System International Standards



- TC69 61851 – Part 23: D.C. electric vehicle charging station
- TC69 61851 – Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging
- SC23H 62196 Part 3: Dimensional compatibility and interchangeability requirements for dedicated d.c. and combined a.c./d.c. pin and contact-tube vehicle couplers

DC Charging International Standards Development



DC charging standardization outlook



- The three systems below will be included in the three IEC DC Charging System catalog standards by mid-2013.
- CHAdeMO is the only real solution today with proven technology in the market.
 - 2006 start of field tests in the market
 - 2009 start of commercialization in the market

	System A CHAdeMO (Japan)	System B CATARC (PRC)	System C	
			COMBO1 (US)	COMBO2 (DE)
Connector				
Vehicle Inlet				
Communication Protocol	CAN		PLC	