



ANSI – ESO Conference
Transatlantic Standardization
Partnerships on E-Mobility/Electric
Vehicles, Energy, and Security

October 12, 2011



E-Mobility: The Needs of Transatlantic Business

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on E-Mobility/Electric Vehicles, Energy, and Security

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Overview

□ Agenda

- New players – New Needs for Cooperation
- Joint Activities Needed: Politics, Industry and Science
- Need for a Common Roadmap

E-Mobility: New Players – New Needs for Cooperation

E-Mobility as a system:

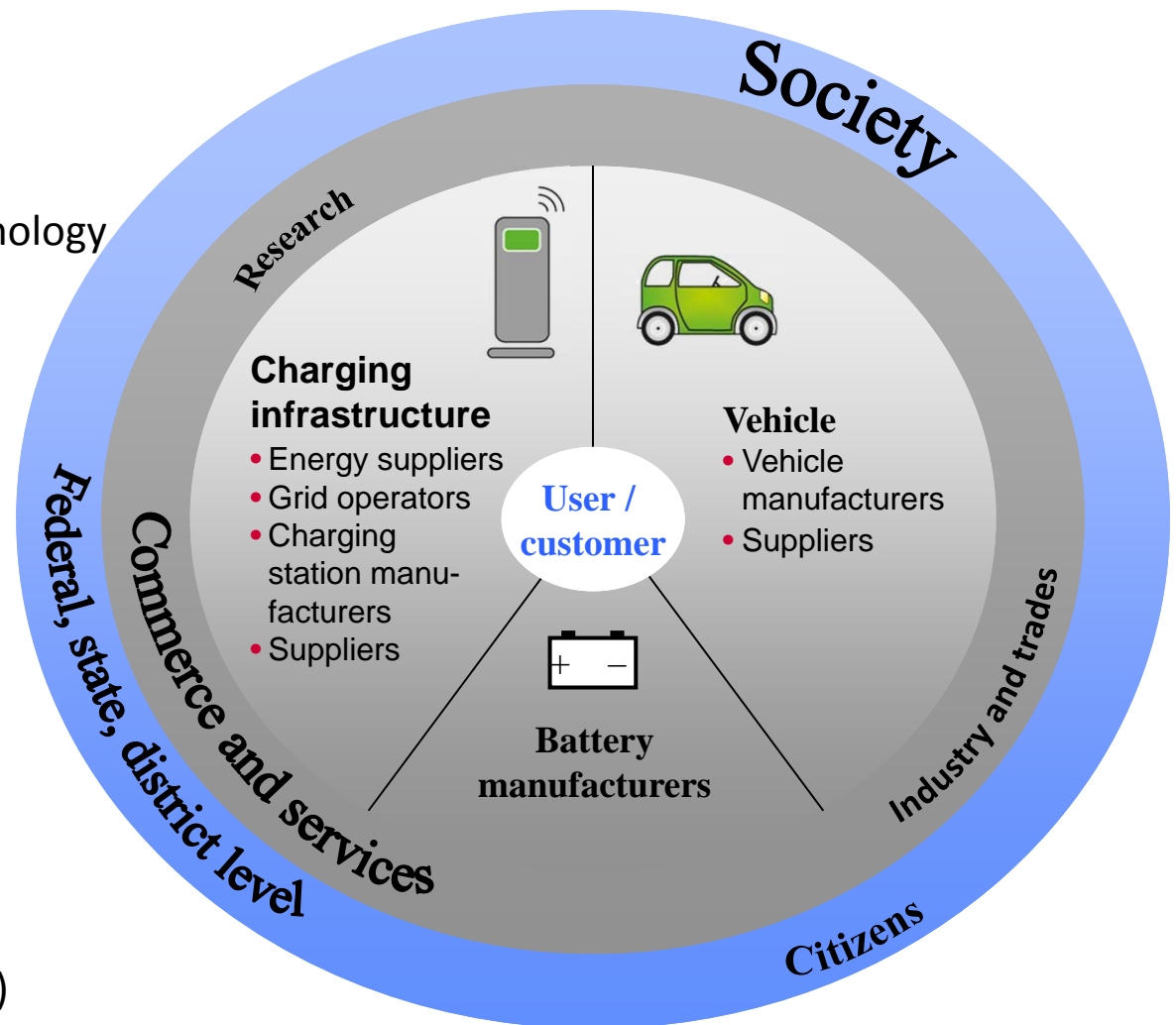
- Convergence of domains
 - Vehicle technology
 - Electronics/power technology
 - Information technology
 - Transportation systems

Power supplies:

- Energy suppliers
- Charging infrastructure
- Accumulator manufacturers
- Service

Services:

- Electronics trades
- Motor vehicle workshops
- Retailers (energy, vehicles, ...)



E-Mobility means more Joint Activities: Politics, Industry and Science

	Standardization			Regulation
	General	Electro- technology	Tele- communications	
International				
Regional (Europe)				 EC
National *) (Germany)				National legislation

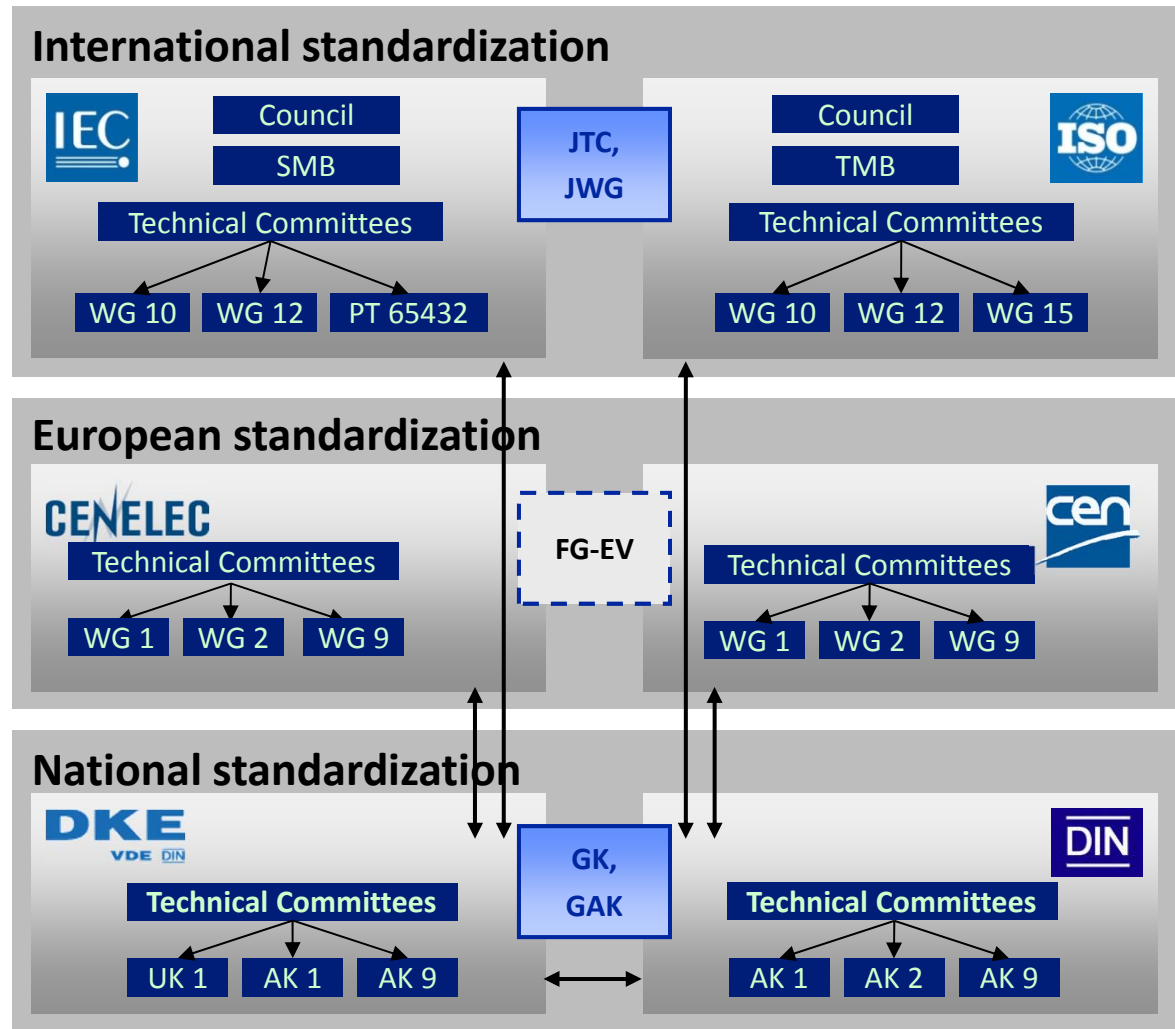
All standardization fields for electromobility affected at once

*) Other national organizations (outside Germany e.g. SAE, ANSI / UL International, ...)

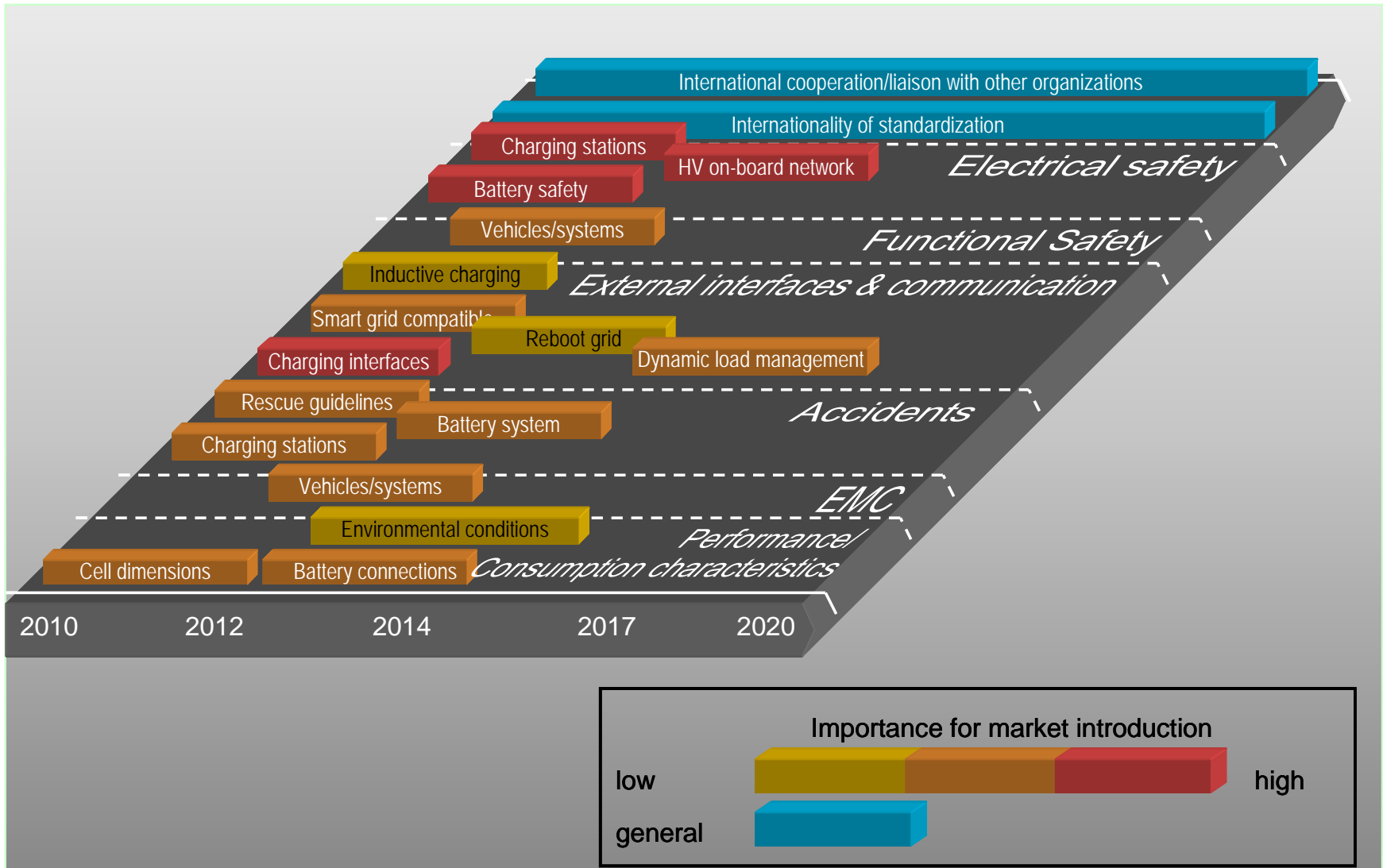


E-Mobility means more Joint Activities: Politics, Industry and Science

- Structure of relevant standards organization
- European and national organizations
- Joint committees (JTC) and joint working groups (JWG) between ISO and IEC
- On national level GK and GAK
- On European level: "Focus Group on Electric Vehicles" for recommendation of harmonized charging infrastructure



Need for a Common Roadmap



Example

Standards activities charging interface

- The selection and definition of the connector system will have an effect on the fields of communications, safety and overall charging system

