



Hans Streng, ABB EV Charging Infrastructure

CHAdeMO – EU perspective From Startup to Standard

Several open-market Billion-EUR programs initiated ... participants must have a longterm solid profile

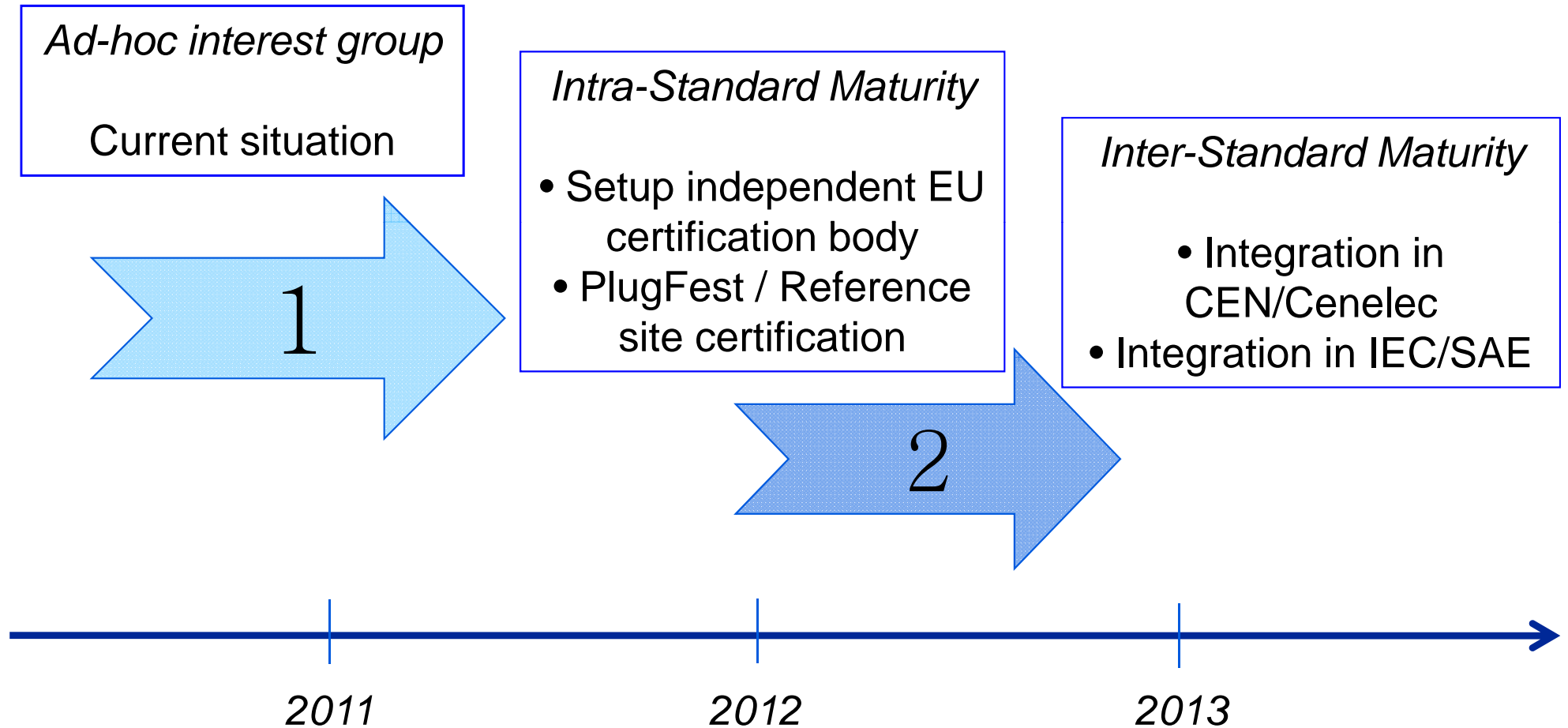


Further market acceleration for CHAdeMO is at risk

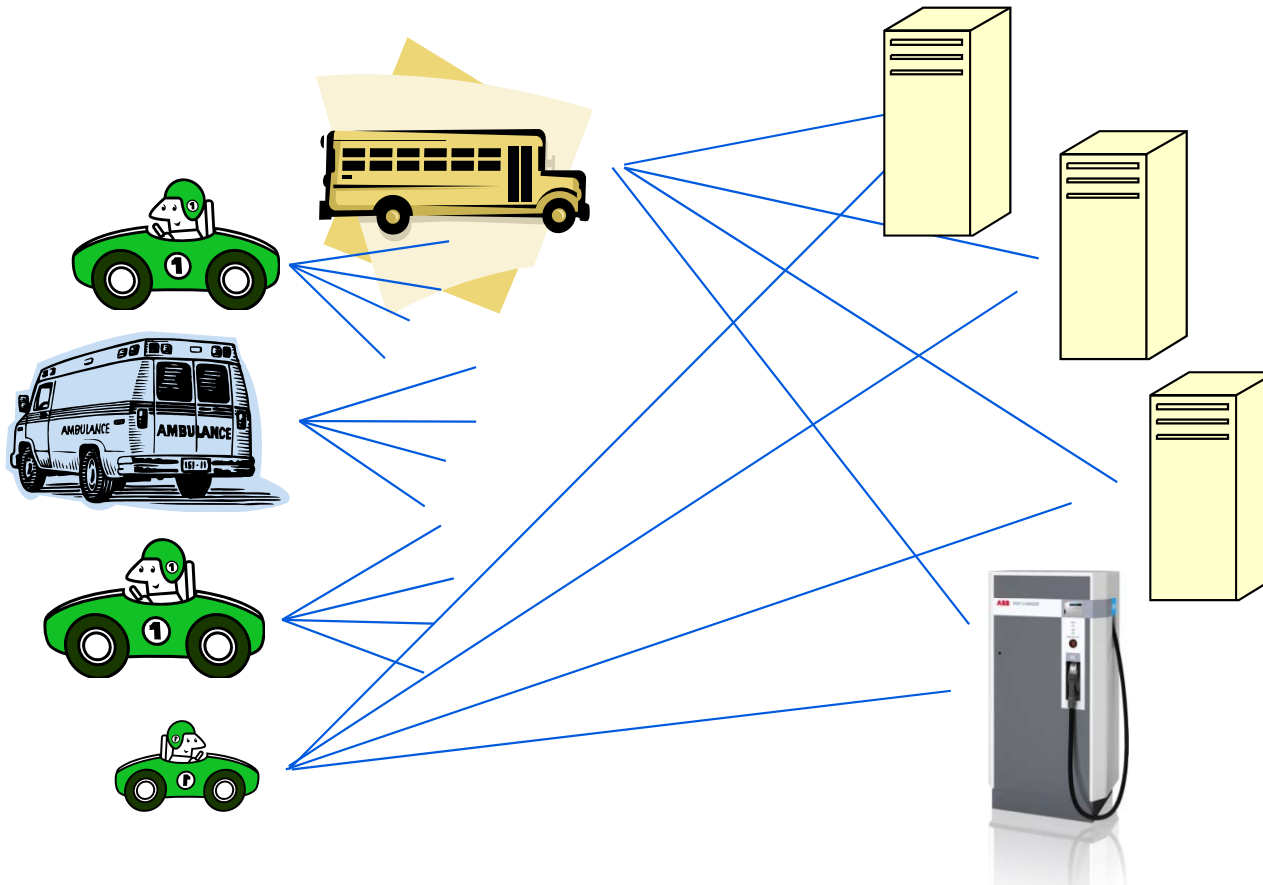
1. Anticipated introduction of IEC-Combo:
 - German Car-OEMs on the move now
 - Limited influence of Europe on CHAdeMO standard
2. CHAdeMo perceived as Nissan-proprietary standard:
 - "10k Charger", "400 for-free" Chargers > ability of distribution partners to install, connect, maintain and service these chargers? Long-term industrial supply chain?
 - CHAdeMO-Chair
 - Mandatory EV-specific charger specification
3. Lack of unambiguous certification of all Quick Chargers and EV by independent notified body

- "Open market" requirements in Europe
 - First evidence for market delays and wait-and-see attitude
- Risk of stalling market due to non-fulfillable forward-looking promises and lack of certification transparency

CHAdeMO has to build a mature EU process ... Soon 2-step approach toward Standard Maturity



CHAdeMO has to build a mature EU process ... soon PlugFest / Reference site certification



- All charger and EV suppliers who wish to get certification join in
 - Independent notified body is running interoperability testing
- Backward/forward compatibility of 1.0/0.9 EV with 0.9/1.0 Quick Charger

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