Wrap-up 3rd AAI Summit EV Technical session

4th December 2014 Bangkok, Thailand



3 rd AAI Summit, 2-4 Dec 2014, Bankok

1. Topics to be discussed in 3rd AAI Summit (EV

technical session)

- 2. Summary of presentations
- 3. Consensus: Topics for 4th AAI Summit



1. Topics for 3rd AAI Summit (EV technical session)

- Standardization of charging safety
- Interoperability
- Current issues and countermeasures
 - ✓ Drivers and challenges
- Current projects (research and demonstration)



- 2. Summary of presentations
 - JARI, Japan
 - ✓ Compatibility between EV and AC chargers
 - ✓ Introduce JARI's homologation scheme for AC chargers



2. Summary of presentations

CAERI, China

- ✓ Three types of charging stations
 - 1. Integrated Battery Swapping
 - 2. Master-servant Battery Swapping
 - 3. Parking Vehicle Charging Station
- Introduce charging and running monitoring technology (for AC chargers)
- ✓ Hazard of high current charging to battery
- ✓ Published 19 related standards



- 2. Summary of presentations
 - ARAI, India
 - Major concern: How to cut down oil consumption?
 - National Electric Mobility Mission Plan (NEMMP) 2020 – expect total sales of 6-7 million xEV by 2020
 - Setting up CoEs, Demo city and Incentive policies
 - ✓ Standard for retro-fitment



- 2. Summary of presentations
 - MOLINA, Indonesia
 - ✓ Introduce Presidential Directive
 - Research roadmap of Molina Prototypes focus on passenger cars and expect to produce 10,000 units/year at the end of 2018 (for governmental use)
 - ✓ Establishment of National R&D Center for EV (CDTI-A) is very important



- 2. Summary of presentations
 - KATRI, Korea
 - ✓ Research on the development of safety
 - Assessment procedures for HEV
 - Assessment procedures for HFCV
 - ✓ Monitoring program of EV
 - ✓ Revision of Korean EVS regulations
 - Recent Korean Activities in UN/ECE/WP.29
 2nd EVS Informal Working Group



- 2. Summary of presentations
 - MAI, Malaysia
 - ✓ Green automotive lifecycle 3Rs, MFG, Life span, ELV
 - ✓ Challenges of EV
 - Different requirements, different technology; hence, different policies
 - ✓ EV penetration plan
 - Innovative collaboration is important Public agenda, Green agenda, National automotive policy agenda



- 2. Summary of presentations
 - TAI, Thailand
 - Stakeholders Car manufacturers, Energy/ Electricity Supplier, Government Agencies/ Academic Institutions
 - ✓ New excise tax structure based on CO₂ emissions
 - ✓ Demonstration projects
 - ✓ Current issues Role of EV, Strategic locations of charging stations



3. Consensus – Topics for 4th AAI Summit

- Issues encountered in each country (e.g. interoperability of AC chargers in Japan)
- Most appropriate technology for each country
- Efforts to transform commercial vehicles into EV
- Battery technology

