

2nd. Asia Automobile Institute Summit
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Electrically Propelled Vehicles

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EV Session Agenda

- 1. Prospect for the International Standardization of EV related items : JARI**
- 2. The situation for domestic standardization on EV related subject in each countries
ARAI, TAI, CAERI**
- 3. Discussion and further action**
 - Itemization for the topics for this session to discuss
 - Further actions.
- 4. Wrap-up and next steps**

1. Prospect for the International Standardization of EV related items

Standardization Information Exchange

◆ Background

At the #2 summit, we're anticipating these outputs:

- ✓ Sharing the current status and issues related standardization of "Safety and performance of EV and battery" and "Charging" among attending countries.
- ✓ Agreeing to establish the platform for the exchange of the standardization information in order to solve the facing issues as regular basis.

◆ Concerns

- ✓ How to introduce those international standards into local codes and standards.
- ✓ Needs to built up the common interpretation of those languages in international standards.

◆ Outcome

We're expecting these fruits among the AAIS members:

- ✓ Harmonization of testing protocol in the future
- ✓ Enhancement of "Asian Voices" at the international standardization in this EV field

◆ The goal of AAIS #2

- ✓ Contact Persons, The next topic(s) at the AAIS #3

2. Summary of the Presentations

ARAI (India, Neelkanth V. Marathe)

- ✓ INDIA Mobility Scenario – Automotive industry at a glance.
- ✓ Imports 70% of total oil demand, 90% of total consumption is utilized by transport sector.
- ✓ Challenges for establishing EV mobility in India

TAI (Thailand, Utai Unagul)

- ✓ Summary of Automotive industry in Thailand.
- ✓ Focusing on HEV, PHEV introduction prior to the other EV.

CAERI (China, Gan Haiyun)

- ✓ CAERI EV R&D focus on
 - Development of Range-Extended Electric Vehicle.
 - Range extended vehicle.
 - EV and components testing and evaluation

3. Wrap-up and the next steps

Establishing the platform for the exchange of the standardization information :

- ✓ All attendees supported for establishing the platform for the exchange of the standardization information.

It is important to collaborate and useful to have a communication tool among us although each country has each status.

- ✓ Contact persons were appointed for each organization; ARAI, CATARC, CAERI, TAI, ITB, JARI

The next topic(s) at the AAIS #3 :

- ✓ Safety of the EV and LIB (Lithium Ion Batteries)
- ✓ Standardization of related testing procedures
- ✓ Current situation of the EV in each country.