Cycle of Vehicle Safety Measures in Japan
- Study process before & after rulemaking procedure

Accident Analysis Expert Group

- Overview Analysis
- Specific Analysis

Safety Regulation Expert Group

- Selection of prospective regulation items
- Overall study for future measures
- Assessment of the effect of each measure

Cycle of Vehicle Safety Measures

- Issue of safety regulations
- Enforcement (type approval & inspection)

Analysis of Accidents

Evaluation of effects

Implementation of safety measures
Countermeasure Process of Vehicle Safety Legislation in Japan

Generally, three options are taken into account to legislate new safety measurement.

1) To develop international regulations in UN-ECE/WP29
   - The common recognition among CPs have established
   - The similar ideas have already came up from CPs in Geneva

2) To make national regulations
   - urgent issues and,
   - No consensus among CPs as important safety measurement.

3) To make national regulations as voluntary base
   - not related to vehicle safety directly
### Rule Making Plan in Japan

- **Crash Worthiness**
  - • Neck Injury Mitigation
  - • Vehicle Compatibility
  - • Improvement of side impact test

- **Heavy-Duty Vehicles**
  - • Electric Braking System
  - • Vehicle Stability

- **Safety for Vulnerable Road-Users**
  - • Pedestrian Safety
  - • Approaching Vehicle Audible Systems (AVAS)
  - • Seating Position
  - • Safety of infant-carrying vehicles

- **Active Safety**
  - • ESC
  - • Countermeasures for Rear-end Collision

- **Other Safety Measures**
  - • Driving Recorder for Accident Analysis
  - • Event Data Recorder (EDR)
  - • Electrical Compatibility
  - • Safety of Lithium-ion Battery
  - • Tyre Safety for Passenger Vehicle
  - • Daytime Running Lamp
  - • Prevention of Drunk Driving
  - • Field of Vision for Passenger Vehicle
  - • Brake Override system

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*black character* • Just applied to national regulation in December 2010

*red character* • National voluntary base

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3
WG on the technology and Safety for Vehicle of Council for Transport Policy

### Purpose
- The environment around road transport vehicles is beginning to change greatly because of the change of traffic accident victim group that is reflected from development of aging society and the introduction of new technologies including electric vehicles aiming at realizing of low carbon society.
- Therefore, the WG will set a new target after ten years and make a conclusion of measures and direction of policy to reach the target.

### The main discussion issue
- Evaluating achievements of the target to reduce 2,000 fatalities by the vehicle safety measures until fiscal year 2010.
- Setting new numerical targets until fiscal year 2020.
- Example of measures which should be effective for achievement of the new targets.
  1) Reduction of injury by traffic accident in which senior citizen and pedestrians are involved
     - Driving support system for senior drivers
     - Dissemination of ITS technologies that can detect pedestrian and other vehicles.
  2) Responding the development and dissemination of new technologies such as EV
     - Securing of safety of battery and Measures against QRTV
     - Safety measures against micro mobility such as application of collision safety and introduction of preventing safety technologies

### The status and schedule for the future
- The 1st session was held last October and the 3rd was just held on March 4 this year.
- The conclusion is scheduled to be obtained by around May this year.