



Benchmarking of a vehicle type approval

Kenichi Tsujimura
Japan Automobile Standards
Internationalization Center

Introduction



- Benchmarking study on the vehicle type approval system has been raised by VSHG members.
- JASIC has started basic study on necessary elements for a future certification for whole vehicle approval last year.

Information exchange between JASIC and member economy may be useful for development of benchmarking study on vehicle type approvals.

Idea



- JASIC identifies the elements necessary to be studied for mutual recognition of whole vehicle type approval.



Elements for study



Application documents

Test condition

Dimension

Vehicle type

Category

Weight

Unique regulation

Application documents

Test condition

Dimension

Vehicle type

Category

Weight

Unique regulation

Application documents

- How to cover and how to harmonize information necessary for each country considering future mutual recognition.

- I. General information of vehicle
- II. Specification
 1. Name of vehicle
 2. Type of vehicle
 3. Name of manufacture
 4.
 5.
1.
- III. Technical drawing
.....etc

Application documents

Test condition

Dimension

Vehicle type

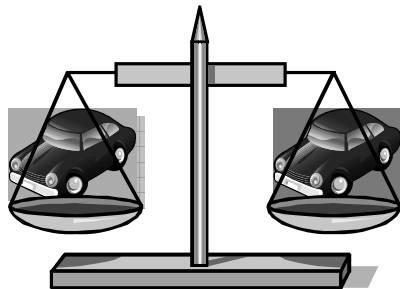
Category

Weight

Unique regulation

Test condition

- How to harmonize test condition for safety and environmental regulation.
- Fair judgment on worst case selection.



Application documents

Test condition

Dimension

Vehicle type

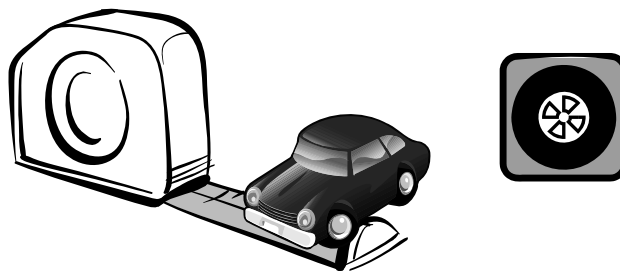
Category

Weight

Unique regulation

Dimension

- How to harmonize measuring criteria.
- Including lamps, spare wheels or not.



Application documents

Test condition

Dimension

Vehicle type

Category

Weight

Unique regulation

Vehicle type

- How to harmonize vehicle type criterion.

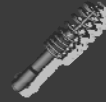
- Engine ?



- Body ?



- Chassis ?



- Performance basis ?



Application documents

Test condition

Dimension

Vehicle type

Category

Weight

Unique regulation

Category

- How to harmonize vehicle category criterion.
- Refer to UN/ECE/WP29 R.E.3 ?
- Number of passenger ?



Application documents

Test condition

Dimension

Vehicle type

Category

Weight

Unique regulation

Weight

- How to harmonize weight criterion.
- Weight for a person , 75kg ?
- Including spare wheels, tools etc. or not.



Application documents

Test condition

Dimension

Vehicle type

Category

Weight

Unique regulation

Unique regulation

- How to harmonize necessary regulations to assure vehicle safety and environmental protection.
- How to handle necessary unique requirement of the national regulation.
- Based on UN/ECE regulations ?



- JASIC continues to exchange information about this activity among the member economies of APEC/TPTWG/VSHG.
- JASIC will report progress of this activity at WP29 and JASIC G/I meeting.

Thank you for your attention