



SPLIT SESSION E

The Role of Authorities in Roadworthiness



INTERNATIONAL CONFERENCE
& 19TH GENERAL ASSEMBLY

HOSTED BY



한국교통안전공단
Korea Transportation Safety Institute

FROM PERIODIC INSPECTION TO WHOLE LIFE COMPLIANCE

SEOUL > 2 - 4 April 2019

The role of authorities in roadworthiness

4 April 2019 | Yongdal Kim

Director, Vehicle Inspection Division,  Korea Transportation Safety Authority

Introduction of Panellist

Session Topic : The role of authorities in roadworthiness

Panel	Organization
Yongdal Kim	KOTSA
Patrik Andersson	SWEDAC
Hens Peeters-Weem	RDW
Vitaly Komarov	NIIAT
Ismael Herrera	CERTIO

KOTSA Stations



Front view of lane



Headlight inspection



Emission test using dynamo



Speedometer / Brake force test

Prevent Potential Fraud



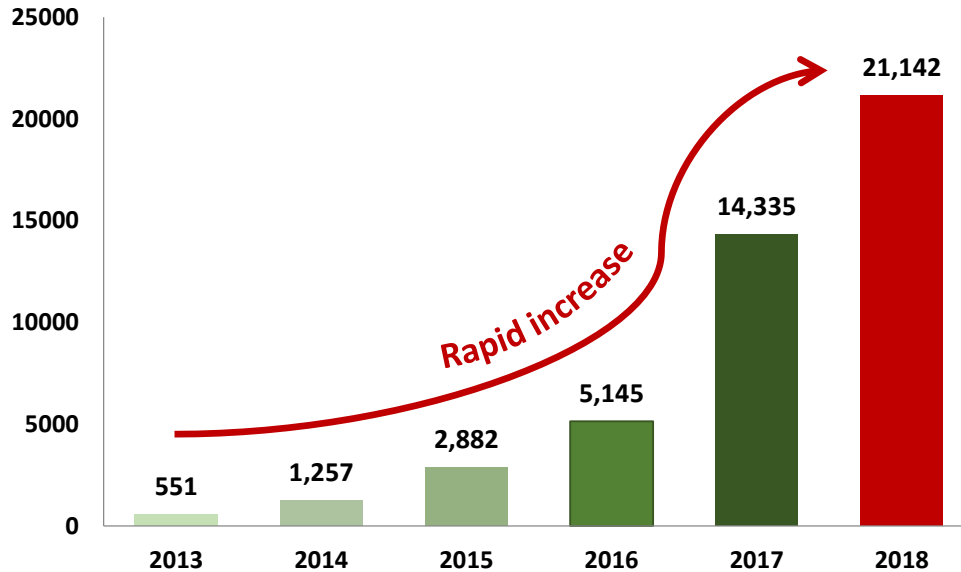
▲ Sample of Re-inspection

- Method -

- ▶ Undercover Test
- ▶ Audit with Supervisor
- ▶ Double and Re-inspection
- ▶ Data Monitoring
- ▶ Document Check

Statistics in KOREA

The Number of EV Registered by Year <Sep. 2018>



We need new PTI schemes for EV or Future Vehicle (Autonomous etc.)

KAVIC Establishment



▲ KAVIC : Korea Advanced Vehicle Inspection R&D Center

The Result of Inspection



▲ Sample of TÜV

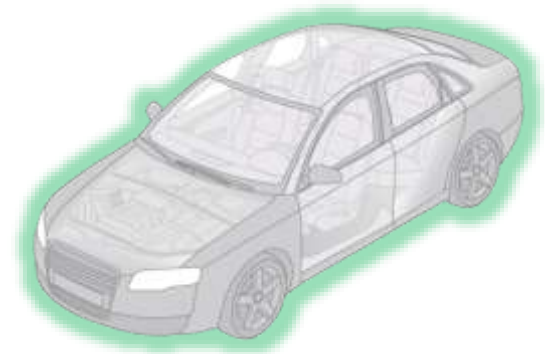
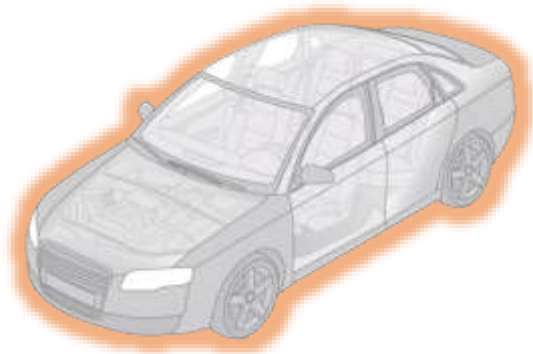


▲ Sample of KOTSA

- The Purpose for Publication -

- ▶ Rational selection for purchasing a new or used car to customers
- ▶ Supervision or follow-up management in the car in use concerning performance to carmakers
- ▶ Catching the significant points of specific model at a glance in order to making a decision in traffic safety policies and so on

Social Benefit by PTI in KOREA(2017)



Safety		Environment	
Prevent Traffic Accidents	7,351 (number of cases)	Reduction of CO	8,871 t
Prevent Deaths from Traffic Accidents	143 (number of persons)	Reduction of HC / NOx	1,940 t
Prevent Injured from Traffic Accidents	11,038 (number of persons)	Reduction of PM	2,717 t

*** Social Benefit of Prevent Accidents : \$ 419 million**

*** Social Benefit of Improvement Environment : \$ 1 billion**



***Thank you
for your attention!***





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Q & A



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