SPLIT SESSION E
The Role of Authorities in Roadworthiness
The role of authorities in roadworthiness

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Director, Vehicle Inspection Division, Korea Transportation Safety Authority
### Introduction of Panellist

**Session Topic : The role of authorities in roadworthiness**

<table>
<thead>
<tr>
<th>Panel</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yongdal Kim</td>
<td>KOTSA</td>
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<tr>
<td>Patrik Andersson</td>
<td>SWEDAC</td>
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<tr>
<td>Hens Peeters-Weem</td>
<td>RDW</td>
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<tr>
<td>Vitaly Komarov</td>
<td>NIIAT</td>
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<tr>
<td>Ismael Herrera</td>
<td>CERTIO</td>
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KOTSA Stations

- Front view of lane
- Headlight inspection
- Emission test using dynamo
- Speedmeter / Brake force test
Prevent Potential Fraud

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

▲ Sample of Re-inspection
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

- 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)

<table>
<thead>
<tr>
<th>Safety</th>
<th>Environment</th>
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<tbody>
<tr>
<td>Prevent Traffic Accidents</td>
<td>Reduction of CO</td>
</tr>
<tr>
<td>7,351 (number of cases)</td>
<td>8,871 t</td>
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<tr>
<td>Prevent Deaths from Traffic Accidents</td>
<td>Reduction of HC / NOx</td>
</tr>
<tr>
<td>143 (number of persons)</td>
<td>1,940 t</td>
</tr>
<tr>
<td>Prevent Injured from Traffic Accidents</td>
<td>Reduction of PM</td>
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<tr>
<td>11,038 (number of persons)</td>
<td>2,717 t</td>
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* Social Benefit of Prevent Accidents : $ 419 million

* Social Benefit of Improvement Environment : $ 1 billion
Thank you for your attention!

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