

SPLIT SESSION G

Future vehicle compliance requirements to meet the increasing automatization of vehicles



INTERNATIONAL CONFERENCE
& 19TH GENERAL ASSEMBLY

HOSTED BY



한국교통안전공단
Korea Transportation Safety Authority

FROM PERIODIC INSPECTION TO WHOLE LIFE COMPLIANCE

SEOUL ▶ 2 - 4 April 2019



Panel Discussion

Future vehicle compliance requirements to meet the increasing automatization of vehicles

Gerhard Müller

Panellists

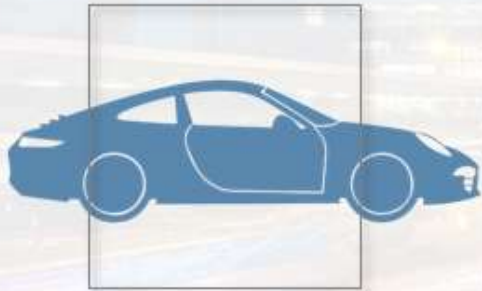
- ✓ Mr Walter Nissler, UN ECE
- ✓ Mr André Rijnders, RDW
- ✓ Mr Marko Gustke, VDA
- ✓ Mr Dr. Housseem Abdellatif, TÜV SÜD



Changing Mobility Set-up: From car centric towards intermodal

Evolution of TIC business:

Today



Individual vehicle

Vehicle safety – focusing on hardware
(one dimensional)

Periodical (homologation & PTI)

Future



Intermodal mobility in connected
environment (e.g. X2X)

Vehicle-, software-, data- and process safety
(multi dimensional)

Continuous (digital & remote)

The Approval Challenges of Automated & connected Vehicles

Scenarios



- Real testing no longer sufficient
- Definition of scenarios needed
- New concepts with different interests

Feasibility



- Proof of safety with a small number of real testing
- Continuous development of the system "vehicle" via updates

IT Security



- IT security as a new pillar of vehicle safety
- View of the overall system - end to end communication (vehicle – data transfer – data center - applications)

Regulations



- Development of existing regulations
- International standards are necessary

Future vehicle compliance requirements to meet the increasing automatization of vehicles

1. New technologies of automated vehicles and its impact on road safety
2. Technical and legislative requirements to admit and register automated vehicles
3. Contribution of technical inspection (e. g. type approval test, market surveillance, PTI) to road safety regarding automated vehicles





Next session:

SPLIT SESSION C

Environmental protection

10:45 am

Enjoy the coffee!

