

Automated driving

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Rationale

- We are on the verge of partially autonomous driving
 - Systems which take over the control from the driver under specific conditions in order to let him/her engage in other activities are being tested
 - A step towards driverless vehicles
- Major challenges
 - Complex system with complex interactions
 - Not only technological challenges
 - Human factors issues of safety, usability and acceptance
 - Institutional and legal issues

Challenges for UNECE

- Regulating structure
- Regulating obligations of the driver and the vehicle
- Regulating Human Factors-issues

Human Factors-issues

- Authority transition
 - Behavioural adaptation and risk compensation
 - Situational awareness
 - Responding to system failures
 - Human-to-Vehicle instruction and Vehicle-to-Human feedback (HMI)
 - Overreliance
 - Workload
 - Acceptance and comfort
 - Loss of skill
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