



**Autonomous Driving by Audi** 

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## Milestones in future mobility

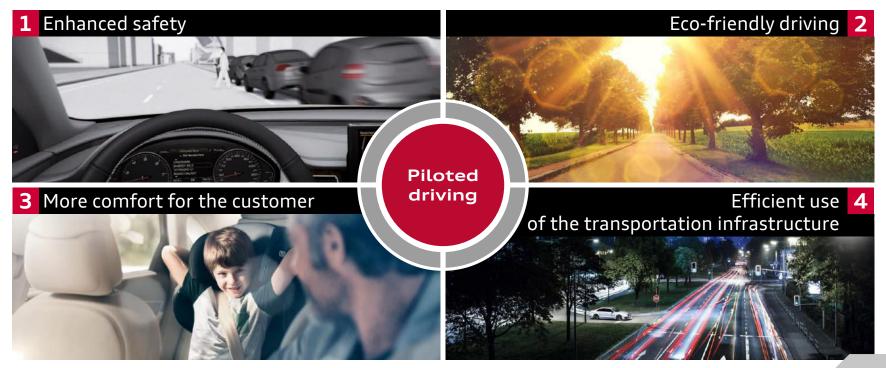








## Piloted driving as an influence on megatrends



# Broad range of driver assistance functions already in production today

#### Standard features

- Hold assist
- Audi pre sense basic
- Audi pre sense city
- Park assist rear
- > Adjustable speed limiter
- Cruise control system
- Break recommendation function

## Parking assistance package

- Surroundings camera
- Park assist

#### Tour assistance package

- Turn assist left.
- Adaptive cruise control
- Audi active lane assist
- Audi pre sense front
- Obstacle avoidance assist
- Camera-based traffic sign recognition
- Predictive efficiency assistant
- Traffic jam assist

### City assistance package

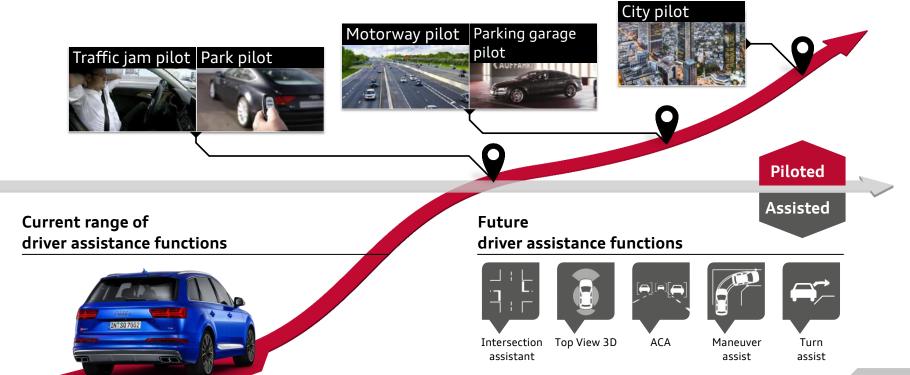
- Audi side assist
- Exit warning
- Audi pre sense rear
- Park assist plus
- Rear cross-traffic assist
- Reversing camera

#### Additional options

- Trailer assist
- Main beam assist
- MMI navigation plus with MMI touch
- Night vision assistant

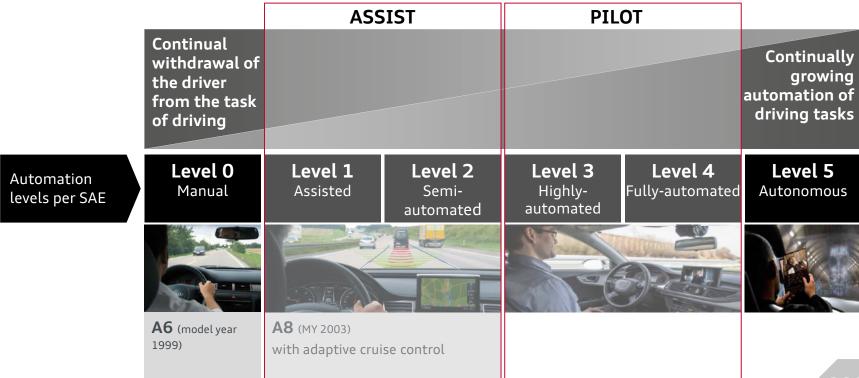


# Evolutionary advanced development driver assistance & piloted functions





## Each evolutionary stage will relieve the driver more



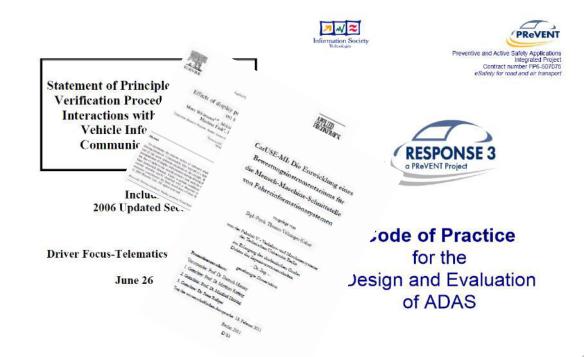
# Level 1 and Level 2 Automatisation distraction and controllability

Statement of Principles, Criteria and Verification Procedures on Driver Interactions with Advanced In-Vehicle Information and Communication Systems

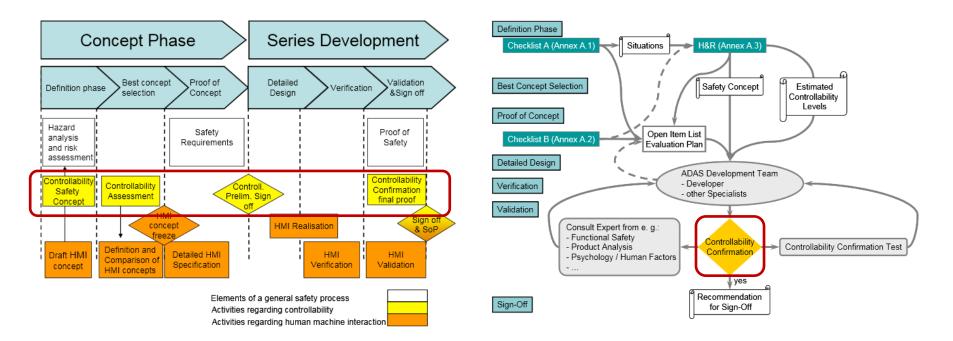
Version 2.0

Driver Focus-Telematics Working Group

April 15, 2002



## Level 1 und Level 2 Automatisation – Response CoP

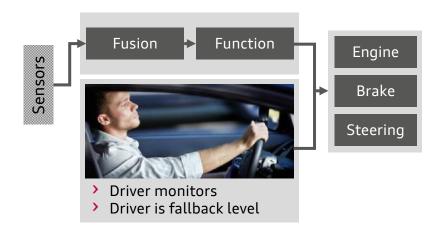


Aus: Response Code of Practise, 2009



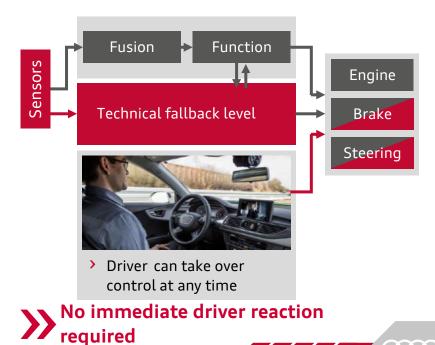
### Level 3: technical measures

### **Assisted driving**



In critical situations, immediate driver reaction is required

## Piloted driving



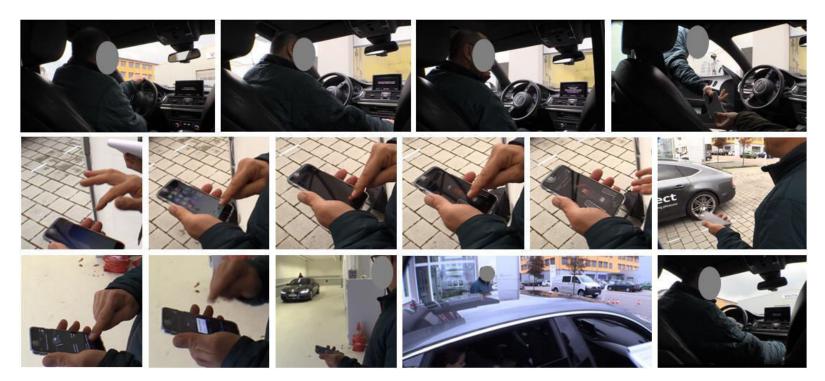
Level 3 - Interface between driver and vehicle



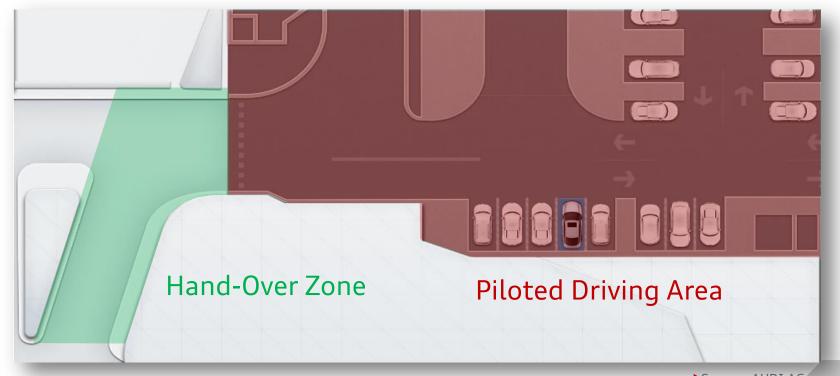
# Level 3 - cooperative driving means interacting with others



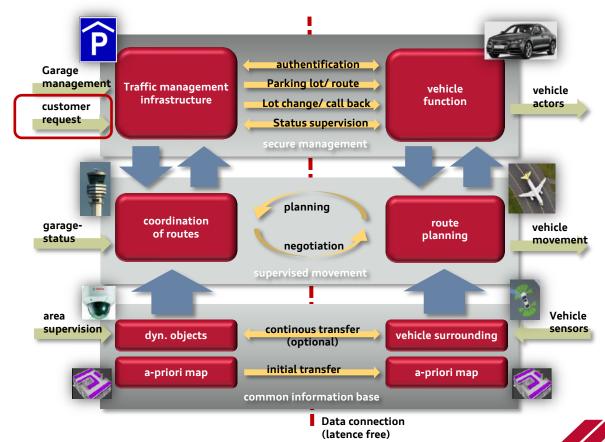
## Level 4 Parking Garage Pilot without a driver in the car



## Level 4: Piloted Parking within a Parking Garage



### Level 4: role of the driver/customer



### Level 4: PHP Stakeholder – who wants to interact?











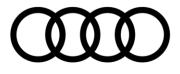












Thank you very much!