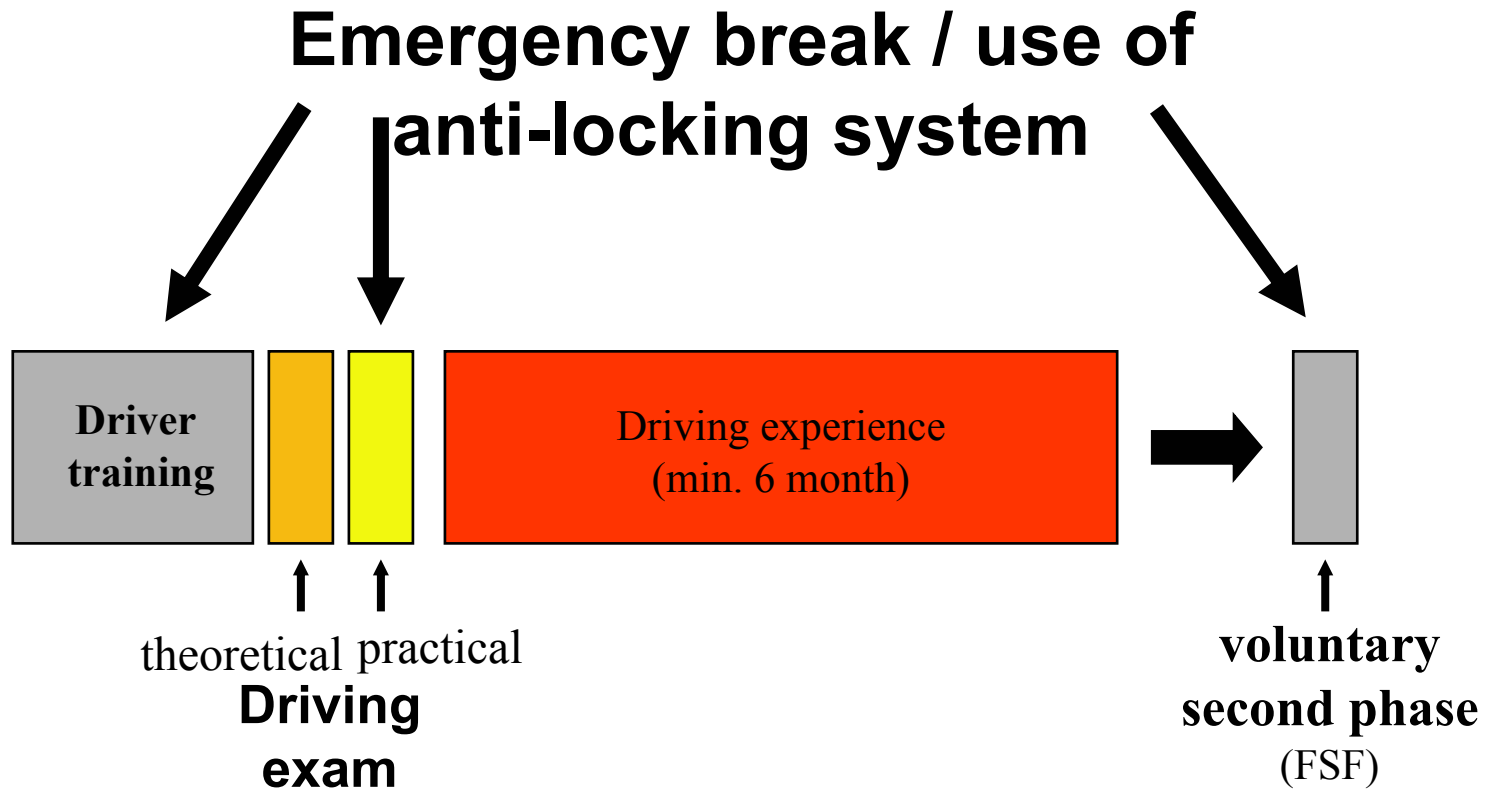
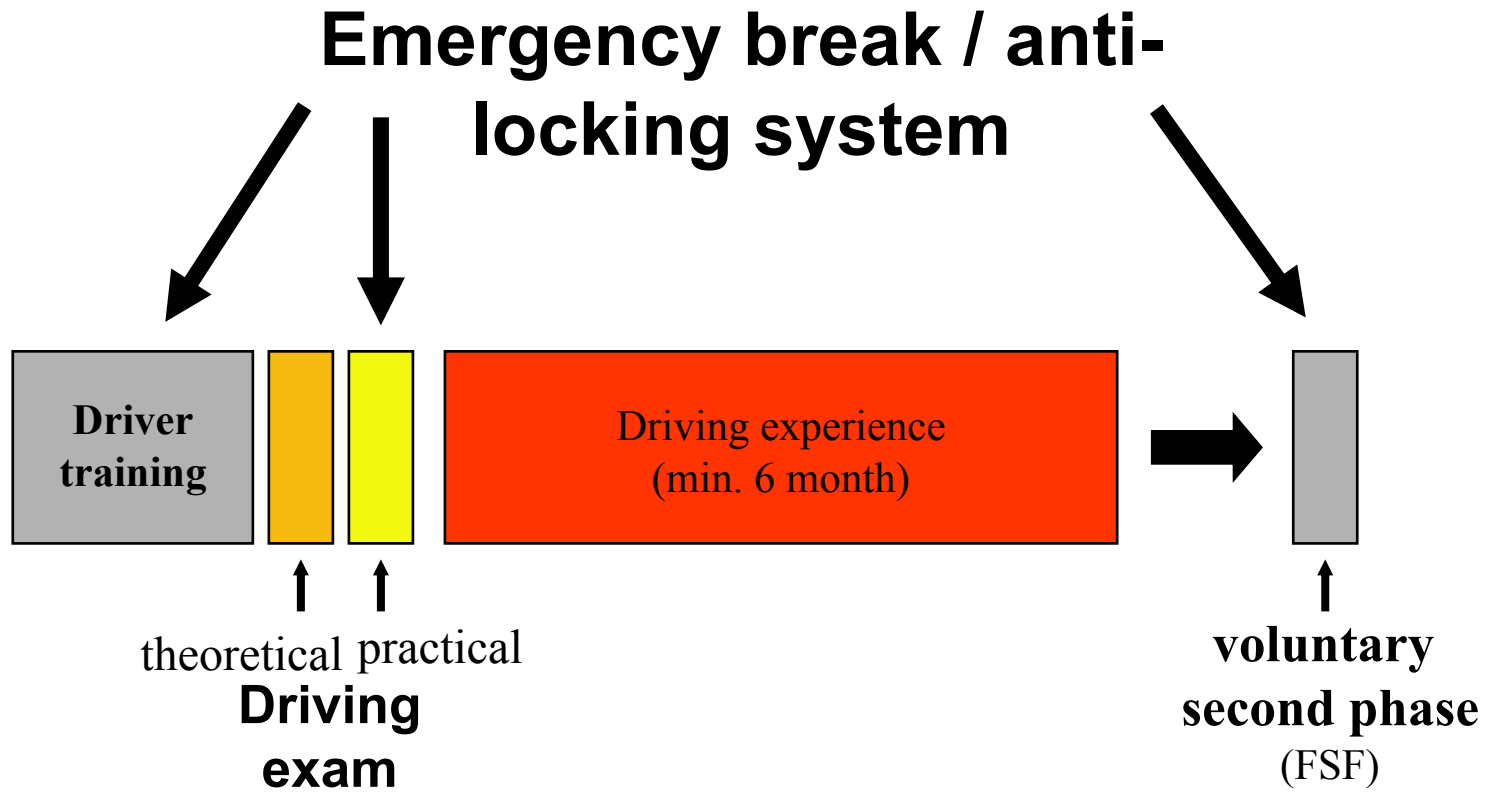


The anti-locking system in the context of the German driver training

Michael Bahr





Goals of driver training

Development of the ability to drive

- safely
- responsibly and
- ecologically aware.

Preparation for the examination

Contents of driver training

- Keeping the vehicle under control, also in difficult situations
- Awareness of traffic regulations
- Ability to perceive and control or avoid dangers
- Ability interact with others respectfully
- Realistic self-assessment
- Knowledge about the influence of emotions whilst driving

Theoretical training

14 lessons of 90 min

- 12 basic lessons
- 2 lessons especially for car drivers

Practical training

(multiphase training according to the „manual of practical car driver training“)

basic training

driver's seat position, using of all instruments, to bring up speed, using of clutch and gearshift

special drives

e.g. using of break, to back up into a parking space, **emergency breaking with ABS**

phase of pre-test

coping with traffic situations

In basic training no minimum number of required lessons (decision to the driving instructor)

Practical training

(multiphase training according to the „manual of practical car driver training“)

basic training

special drives

phase of pre-test

**required minimum number
of special drives**

→ 5 lessons on rural roads

→ 4 lessons on motorways

→ 3 lessons during night time

Practical training

(multiphase training according to the „manual of practical car driver training“)

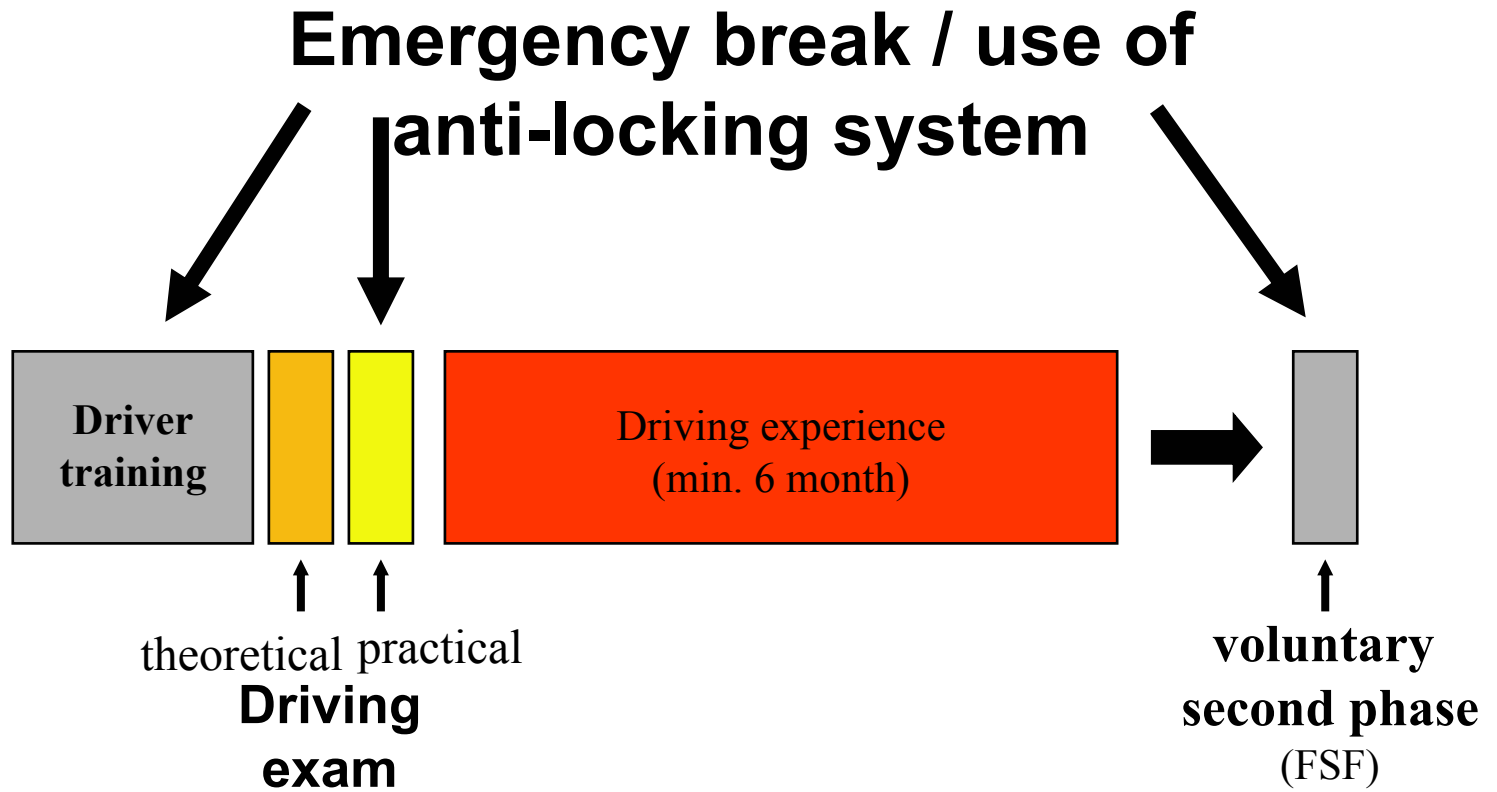
basic training

special drives

phase of pre-test

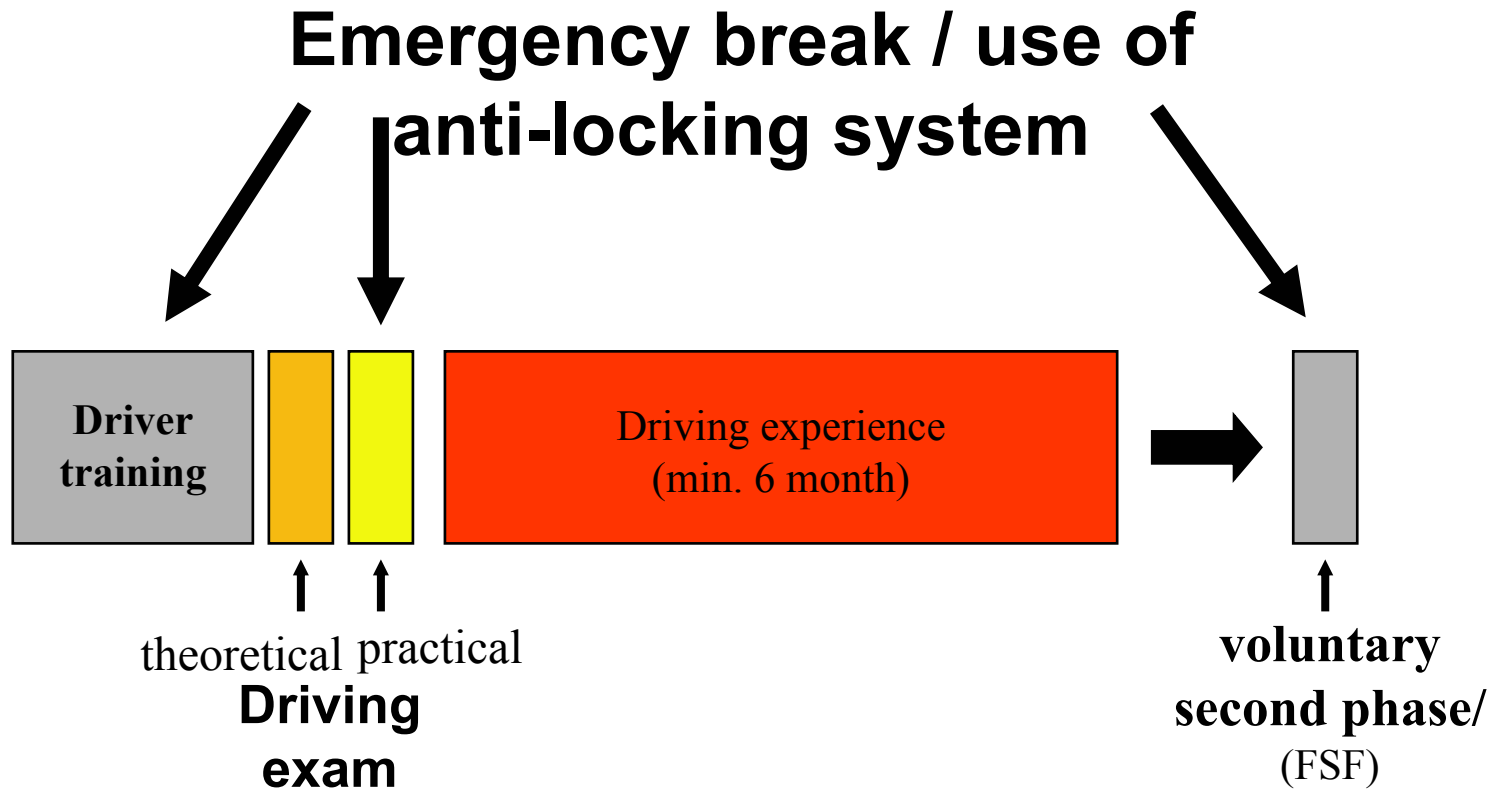
Training of all items relevant for the practical exam (incl. **emergency break with ABS**)

No minimum number of lessons required



Driving exam

- Theoretical exam: 30 multiple choice-questions
 - e.g. about highway code, hazard anticipation, defensive driving, ecological awareness
 - pre-condition for the practical exam
- Practical exam: driving 45 minutes in real traffic (incl. special duties - e.g. to back into a parking space, **emergency break with ABS**)



- voluntary attendance six month after driving exam
- one year reduction of the official two-years „novice period“
- contents
 - three group sessions (each with 90 minutes)
 - driving in at real traffic (60 minutes per participant)
 - exercises on a track (**emergency break**, driving in bends; 240 minutes for the complete group - 6-12 participants)

- attitude related approach
- main principles:
 - discussing personal driving experiences
 - experiencing hazardous situations on a track (**not to make handling skills perfect!**)
- start: January 2004
- evaluation by BASt until 2009

- No further implementations intended in the near future
- Parking aids, navigation systems etc. only occasionally as contents
- 700 - 1.200 km not enough mileage to develop skills necessary for making use of driver assistance systems
- Practical limitations of the two-phase model