Simulator Studies on Take-over Times following naturalistic Non-driving-related Tasks

STUDY 3: ADAPTIVE WARNING URGENCY

Test Scenario

TOR onset + obstacle visibility

PART 1: Influence of interruption steps and motivation

Results (repetition trials only):

- Drivers pause the tablet task “reflexively” approx. 1.6 s after TOR, independently from motivation and interruption condition
- Storing the tablet in the box considerably delays subsequent reactions compared to laying it on the co-driver’s seat

PART 2: Medium/long term effects of adaptive transition concepts

Results:

- The variable warning concept has potential for take-over times and acceptance