AEBS systems on Trucks
Road Safety for user and roadworker

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Road operator roles

Different roles:
• As employer responsible for safety of our own personnel
• Responsible for safety of contracted personnel
• Road operator: safety of road user
Starting point: Road worker safety
France: Vinci Autoroutes

En 2017, 88 véhicules d’intervention ont été heurtés sur le réseau VINCI Autoroutes, et 185 à l’échelle de l’ensemble du réseau autoroutier français. Depuis le 1er janvier 2018, ce sont déjà 32 fourgons qui ont été percutés par des conducteurs inattentifs ou hypovigilants.
Video 1: AEBS and Road works

• From interviews (30) and Questionnaire we learned that the majority of truck drivers expect that their AEBS system can recognise Road works
• Tests showed differently
Results AEBS recognition of Road works 2017

- Road works are not recognised at 40 meters
- How about the recognition of vehicles other than the sedan personal car?
Video 2: AEBS and truck combinations, new TMA
Results

Large variation in recognition
79% to 21%
Average: 48%

Test Target: 81%
Road works: improvement

- Previous model was not recognised, new model with bigger flat plate is better recognised.
Request to the meeting

- Develop tests that incorporate all real road situations
- Go on with improving the systems
- Help Road Authorities to make their systems better recognisable for Trucks and cars.
- Improve the recognition of barriers by the systems

- If we work together to help automated systems to recognise special cases the road will be a safer place.
Suggestion

• Ad checker board diagram, radar reflector and lidar reflector or prism to road works and barriers.
Thank you for your attention

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