

Submitted by the expert from the Netherlands
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Agenda item 7



Rijkswaterstaat
*Ministry of Infrastructure and the
Environment*

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



A4 dicht door botsing tussen auto en pijlwagen

Belgische automobilist is deze avond op de A4 op een pijlwagen gebotst ter hoogte van Schipluiden. De rijbaan richting Rotterdam is geheel afgesloten.

by Gossen 07-07-16, 20:07 Laatst update: 20:27





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%



Rijkswaterstaat, Vehicle systems and Road worker safety

Road works: improvement



- Previous model was not recognised, new model with bigger flat plate is better recognised.



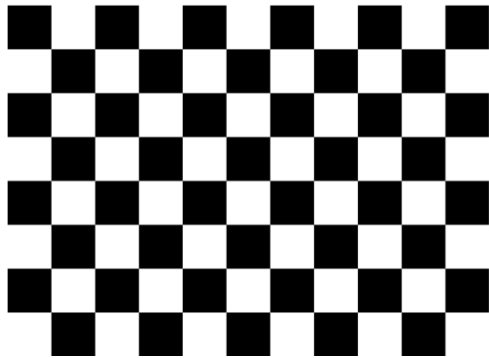
Request to the meeting

- 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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