Reversing Alarm

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Accidents due to reversing

- Accident video
Accidents due to reversing (2010~2012)

◆ Who was involved in the accident and dead?

- Fatalities
  - Pedestrian: 79%
  - Vehicle: 21%

- Age
  - 65 years or older: 74%
  - Under 65 years old: 26%
Accidents due to reversing (2010~2012)

◆ Which vehicles involved in accidents

- **Fatalities in all traffic accident**
  - M1: 20%
  - N: 22%
  - M2&3: 6%
  - Others: 8%

- **Fatalities by reversing**
  - M1: 50%
  - N: 30%
  - M2&M3: 6%
  - Others: 8%

- M1, N, M2&3, Others
Accidents due to reversing (2010~2012)

- Place of accident due to reversing

  ![Place of accident caused by reversing](chart)

- General fatal accidents occurred mainly in the evening but the deaths by reversing accidents occurred mainly during daytime rather than night time.
Reversing alarm in KMVSS

◆ Reversing alarm regulation in Korea

The vehicles (N3, Van, Box truck, school bus) shall have rear view camera or rear detecting sensor (Alarm signal for driver) or reversing alarm device when it move to backward.

N3 & Van

Box type

School bus
Conclusion

◆ Proposal

➢ Scope : Include N2, M2, School bus, Box-type truck besides N3 and M3. (If it is possible, include N1 also)

➢ Pause switch : prohibited.

➢ In case of school-bus, the vehicle should have both rear view camera and reversing alarm for preventing accident of children.

➢ Microphone height : One point (ex : 1.2m)
  - Reversing alarm sound is beep sound not continuous sound, so it is not easy to find the maximum or minimum sound between 0.5m and 1.5m.
Thank you!