

Status Report the Netherlands

After a steady decrease in the number of fatalities in traffic, 2015 showed an increase. Analysis showed that this increase was influenced by cyclists, with especially young and old peoples being over-represented. There are two possible causes:

1. Use of mobile devices during cycling
2. Increased use of e-bikes and speed-pedelecs

In order to bend this trend, legislation is prepared to prohibit use of mobile devices while cycling. Also, campaigns have started to inform people about the risks. For speed-pedelecs, the use of a moped helmet has become mandatory. Because the existing moped helmets are not designed for use on a speed-pedelec (poor cooling function), an alternative is developed and allowed. In addition, a test protocol is developed for Automated Emergency Braking (AEB) for cyclists. This protocol is expected to be incorporated in Euro NCAP in 2018/2020. Moreover, a EEVC study on frontal impact for child restraints has been supported.

With regard to future development the following issues are worth while mentioning:

1. National legislation has been developed in order to support experiments with automated driving including level 5 (no driver in the vehicle). The outcome of these experiments should be experience/knowledge for future legislation
2. A study will be done to find out under what conditions retrofit applications would be possible, to enhance the introduction of automated/connected functionality resulting in improved safety/environment
3. Requirements for software updates are elaborated in order to guarantee compliance with the vehicle requirements and awareness of the driver with regard to changed functionalities.