

Road Safety

Technology as key enabler for road safety

Safety is a top priority for automotive suppliers and the sector has been a leading contributor of safety technology to the auto industry for decades. The road to zero accidents is a shared societal challenge and technology is playing a major role in delivering solutions that help mitigate human as well as environmental hazards.

Suppliers are investing heavily to deliver vehicle technology and systems that can contribute to reducing the number of accidents, through both active and passive safety systems. Vehicle safety has changed drastically over the years and today's new cars are safer than ever before, protecting not only drivers but other road users, especially the vulnerable ones.

Improvements in technology are complemented by new legislation and many of the safety features listed in the 2019 legislation are now becoming mandatory.



Suppliers' work towards Vision Zero

The revised General Safety Regulation was adopted in 2019 and, starting this year, several safety technologies are becoming mandatory in new vehicles. At a later stage, direct vision for trucks and buses and enlarged head impact zones on cars and vans will also become mandatory. The delay is because of the need for structural design changes.

Among the new technologies that will be part of new vehicles are Autonomous Emergency Braking (AEB) for passenger cars, Lane Keeping Assistance, Tyre-Pressure Monitoring System (TPMS) for commercial vehicles and Intelligent Speed Assistance (ISA).

This regulation is supporting the goals of further reducing road traffic accidents and accelerating the deployment of effective and cost-efficient safety measures that have been developed by suppliers. Partly as a result of supplier innovation, European roads are currently the safest in the world, as illustrated by the latest road safety report issued by the World Health Organization (WHO). According to European Commission figures, 2020 showed an unprecedented annual drop of 17% in the number of road fatalities in the EU compared with the previous year.

The European Commission is also working to deliver its EU Road Safety Policy Framework 2021-2030. Its goal is to halve the number of fatalities and serious injuries on European roads by 2030, as a milestone on the way to 'Vision Zero' – zero fatalities and serious injuries by 2050.

CLEPA fully embraces Vision Zero, aiming to make car-accident fatalities fall to zero in the shortest time frame possible.



European automotive suppliers are key solutions providers when it comes to meeting this ambitious target, constantly advancing and designing innovative safety systems that can save lives of road users worldwide.



Working on a global action for road safety

In September 2020 the UN General Assembly adopted a resolution proclaiming the “Decade of Action for Road Safety 2021-2030”, with the ambitious target of reducing by at least 50% the road traffic deaths and injuries by 2030. In cooperation with the World Health Organisation and other partners in the UN Road Safety Collaboration, the UN have developed a Global Plan for the Decade of Action, which was released in October 2021. This Global Plan describes what needs to be achieved to reach that goal, which includes, among other actions, to ensure safe roads, safe vehicles and safe driver behaviour; and to guarantee timely and effective emergency care. The plan should be used as a blueprint to inform and inspire national and local programmes that are tailored to local contexts, available resources and capacity.



CLEPA, representing mobility-technology suppliers, endorses this plan and has been acting over the years as a reliable partner for the UN in the advancement of road safety. The association is also member of the United Nations Road Safety Collaboration. Many of the technologies underpinning the ambitious traffic safety goals are in production and ever more sophisticated and effective safety systems are being developed. These include promising new approaches such as Human Body Models (virtual humans in a biomechanical sense) and more advanced virtual testing software and tools, as well as completely new protective technologies for driverless vehicles. Global regulations and standardisation processes are needed to ensure a safe, effective and smooth implementation of these technologies, facilitating access to new mobility concepts worldwide.

To facilitate knowledge sharing and information exchange across members, periodic webinars are being facilitated under the UN Road Safety Collaboration Platform (UNRSC), with the purpose to address broader issues that impact the collective work of the collaboration rather than specific technical topics addressed by individual members and focusing on themes related to the UN resolution on improving global road safety (74/299) including the Decade of Action for road safety 2021-2030 and its implementation. CLEPA is preparing a proposal for hosting one webinar in late 2022 to be submitted and approved by the UNRSC secretariat.

ACTIVITIES



Event

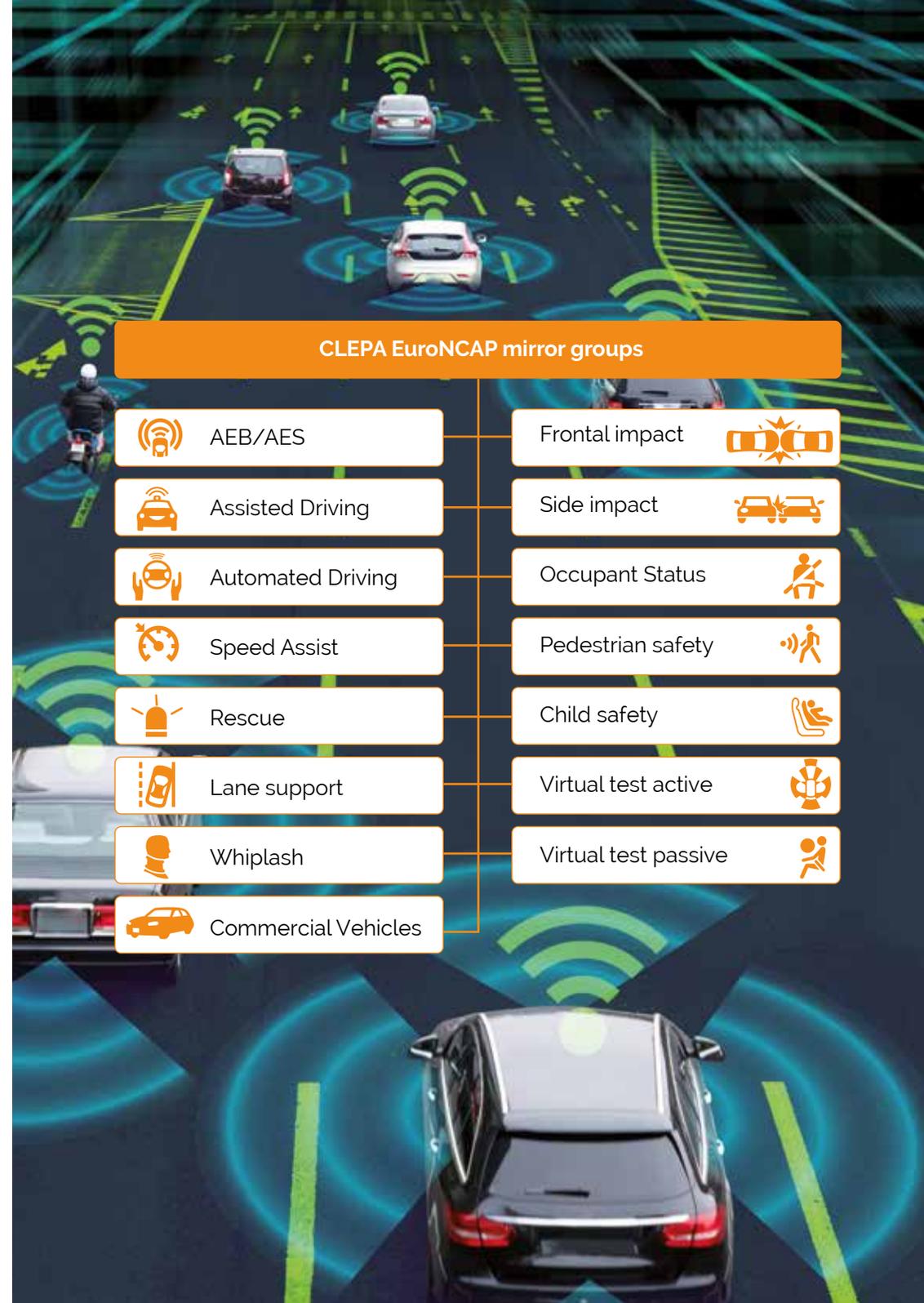
- [October 2021 - CLEPA joins the United Nations Road Safety Collaboration \(UNRSC\)](#)



EuroNCAP: Assessing safety performance for consumers

CLEPA cooperates closely with EuroNCAP, the European safety performance assessment programme for new cars. CLEPA, via its technical "mirror groups", reflects the EuroNCAP structure and workflow. EuroNCAP is finalising its roadmap 2030, which also encompasses assisted and automated driving. In this context, a new V2X (Vehicle to Everything) working group has been started, acknowledging the role that V2X technologies play as an enabler of existing safety functions. EuroNCAP is currently elaborating on Over-the-Air-Update, cybersecurity and data access, and industry will be involved in a later stage.

The recent work has been focused on delivering a first protocol on active safety for commercial vans that will be ready by end 2022. The new heavy-duty vehicles group will be opened to industry soon. Virtual testing, for passive and active safety, is under development and we expect its implementation in the 2025-2030 phase.



CLEPA EuroNCAP mirror groups





Profiling

A main part of CLEPA's mission is raising awareness about the importance of the European automotive supplier industry for the well-being of society. Supplier companies are instrumental in keeping EU economies running and delivering the technologies that will make the future of mobility smarter, safer and more sustainable.

Over the past year, CLEPA has increased its communications about the role of parts and components manufacturers as the driving force behind the green and digital mobility transition, towards policy makers, stakeholders and media. The association has also multiplied its number of connections and outreach globally.

Daily interactions between the CLEPA team and members are now complemented by exclusive membership intelligence services such as an online forum with frequent workshops, an intranet with an extensive repository and regular communications with analysis and comprehensive data for members only.



More than

12

organisations have joined CLEPA since June 2021

Several new

Task Forces

have been launched in the last months, offering members the expertise needed in several areas