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What is the EU General Safety Regulation (GSR) and why is it being implemented?

Volvo Trucks

- **The EU is redrawing** its regulations on vehicle safety as part of its efforts to halve the number of fatal and serious injuries caused by traffic accidents in the EU by 2030.
- The GSR proposes new, mandatory, active safety features in European vehicles to protect occupants of the vehicle, pedestrians and cyclists and mitigate human error.
- The EU estimates its new vehicle regulations will save more than 25,000 lives and avoid at least 140,000 serious injuries by 2038.
- The GSR is part of a broader effort to improve road safety, including better risk-mapping and updated rules on road infrastructure, especially for the most vulnerable road users – pedestrians and cyclists – in urban areas.

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## Key dates

- A total of 11 active safety systems are required. Eight of them will become mandatory for new trucks in July 2024.
- Advanced distraction recognition and prevention will become mandatory in 2026.
- The direct vision requirements and event data recorder will follow in early 2029.

## The new safety features for trucks:

According to the upcoming GSR, the following features will be included in new trucks starting in July 2024. (The improved direct vision from driver's position will be introduced in 2029.)



**2. Reversing information:** Technology, such as camera or sensors, to give the driver an overview of objects and people behind the truck. **3. Tire pressure monitoring system:** A system that monitors the tire pressure and reports tire pressure loss in real time to the driver. **4. Intelligent speed assistance:** A system that actively monitors speed and alerts the drivers if he / she is breaking the speed limit, to encourage them to slow down.

**5. Blind spot information system:** A system that warns the driver of cyclists riding adjacent or crossing in front.

**6. Moving off information system:** A system that warns the driver of vulnerable road users in front of the vehicle before driving off or when driving slowly.

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**7. Alcohol interlock installation facilitation:** The rule change requires a standardized interface for alcoholic interlocks (breathalysers) in vehicles.

**8. Drowsiness and attention detection:** Safety systems to assess the driver's alertness that for instance monitor how long somebody has been driving and warn the driver to take a break when needed.

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**9. Distraction recognition and prevention:** A safety warning system capable of recognizing the level of attention a driver is paying to a situation and warning the driver, if necessary.

**10. Improved direct vision from driver's position:** Specific requirements to improve "direct vision" and remove blind spots. The new standards aim to allow drivers to see cyclists and pedestrians faster and easier.

**11.** Event (accident) data recorder: A "black box" accident data recorder.

