



<https://truckbodybuilder.scania.com>

October 31, 2023

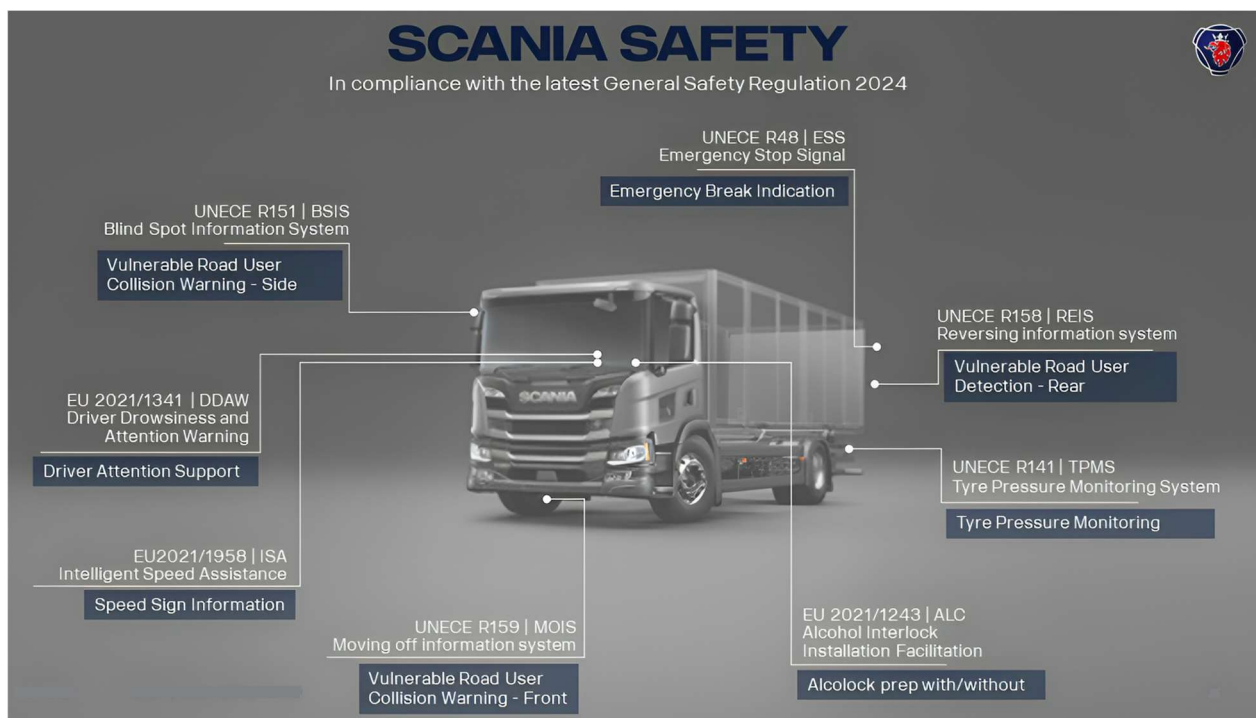
Below you will find the latest information that is important to know when bodybuilding on a Scania vehicle.

For Scania contact in bodybuilding issues, see:

<https://bodybuilder.scania.com/trucks/en/help/market-contacts.html>

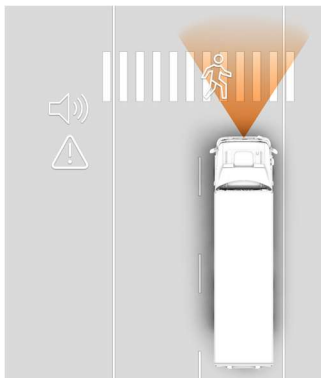
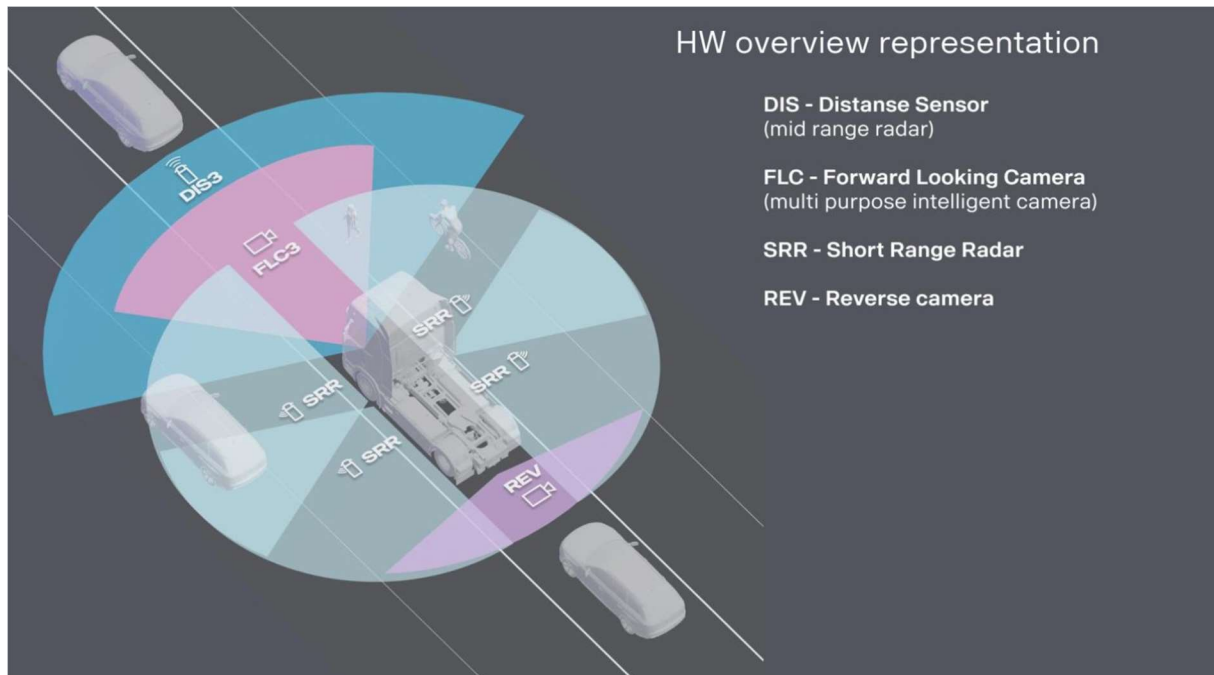
GENERAL SAFETY REGULATION 2024

Following the implementation of the UNECE's safety regulations in July 2022, trucks and buses registered in Europe starting in July 2024 are required to be equipped with eight specific automatic driver assistance safety features.



All of these driver assistance safety features are fully installed from Scania and do only need bodybuilder action in case they are influenced by any bodybuilding. Below a description of each system to guide in need of changes.

By specifying General Safety Regulation (GSR) 2024 package, (FPC2811A) you ensure that the vehicle will be compliant with the regulation.

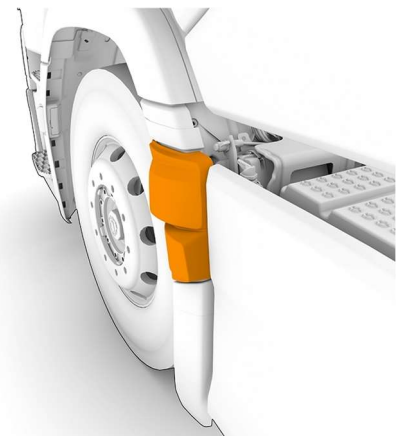


UNECE R159 Moving Off Information System (MOIS). A system to detect vulnerable road user in front of the vehicle and warn the driver of the risk of collision. This feature is built in the vehicle system including sensors in the front of the chassis.

Specific rules are valid for any modification of the components, for instance connected to painting of the radar cover or moving the radar. See instructions;

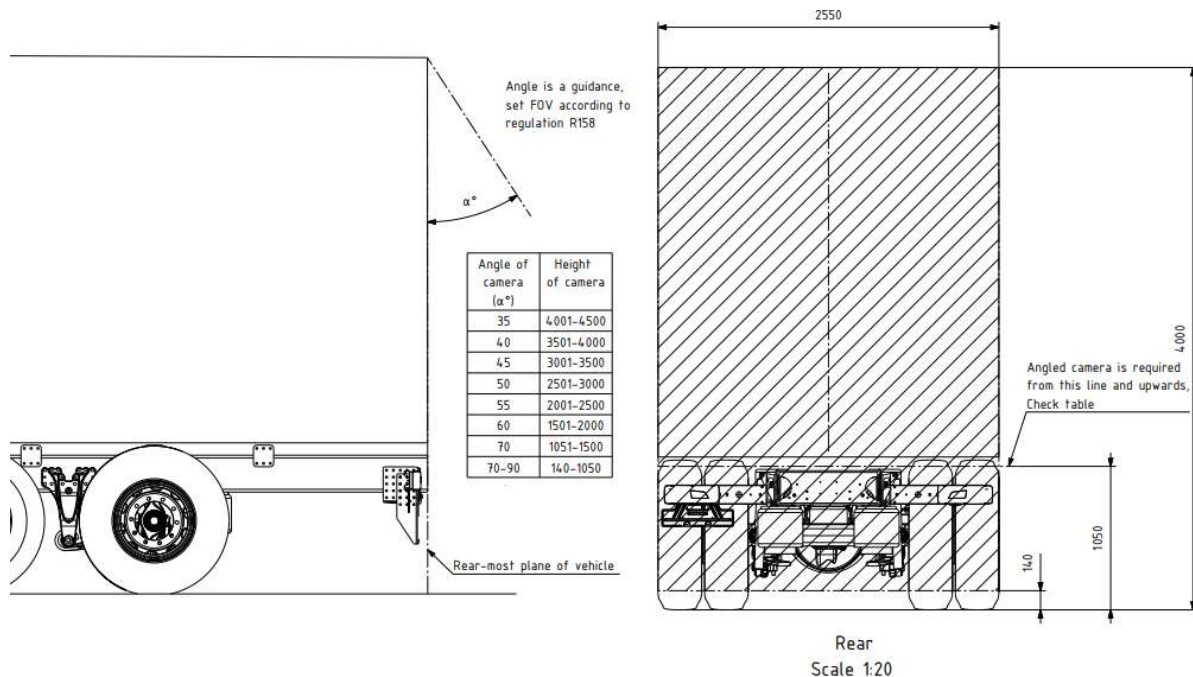
<https://bodybuilder.scania.com/trucks/en/misc/kc.html/?app=docnav&id=S0000095835&type=section>

UNECE R151 Blind Spot Information System (BSIS). This is a system to warn the driver if there is a vehicle near the side of the truck. This feature is built in Vehicle system including sensors on the side of the chassis integrated into the front axle mudguard. Sensor is not influenced as long as the vehicle width is kept below 2,6 m.





UNECE R158 Reversing Information System (REIS). A system to make the driver aware of people and objects at the rear when reversing. This feature is built in vehicle system including a camera positioned on the rear of the chassis. If the camera is relocated it have to be repositioned according below sketch to fulfil certificates.



To be able to move the camera more than 0,5m an extension cable (FPC10080A) need to be ordered.

When a trailer is connected, the camera view can be switched from truck to trailer camera view. This have to be setup using an external switching or prioritisation interface. The analogue High Definition signal format must always be used for the reverse detection camera interface. If the trailer camera does not support this signal format, a switching interface must be utilised to transfer the video signal from lower resolution video signal formats to Analogue High Definition.

UNECE R48 Adding a new requirement of Emergency Stop Signal (ESS) when the driver is braking rapidly or heavily. A flashing emergency stop signal shall be indicated to other road users behind the truck. This feature is built in vehicle system including rear lamps to incorporate the functionality. If the rear lamps are replaced the functionality is not guaranteed.

EU 2021/1243 Alcohol Interlock Installation Facilitation (ALC). Requires a standardised interface to install the alcohol interlock device.



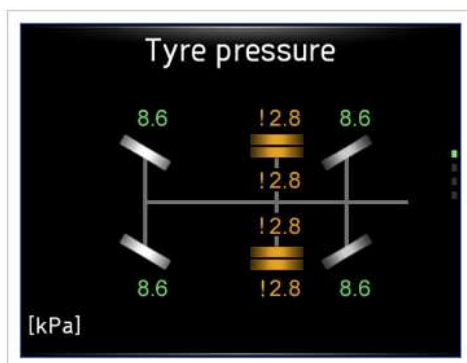
UNECE R141 Tyre Pressure Monitoring System (TPMS). Previously, this regulation was only mandatory for passenger cars, however now it will also be mandatory for trucks and buses. With this system, the driver can receive information regarding the tyre pressure in real time.

In the TPM system, the tyre pressure sensors transmit pressure data to the TPM2 control unit with Radio Frequency. A tyre pressure sensor is fitted on each wheel rim inside the tyre.

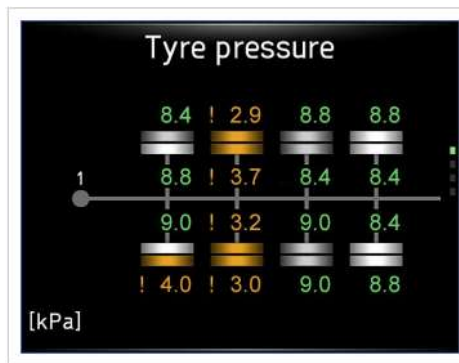
The TPM2 control device cannot monitor trailer tyre pressure data on its own. Instead, the EBS trailer CAN network transmits the trailer tyre pressure data to the vehicle.

The trailer must support the ISO11992 CAN protocol message EBS23, which carries actual trailer tyre pressure information.

If the trailer is missing a tyre pressure monitoring system, the trailer data will just be absent from the tyre pressure monitoring screen.



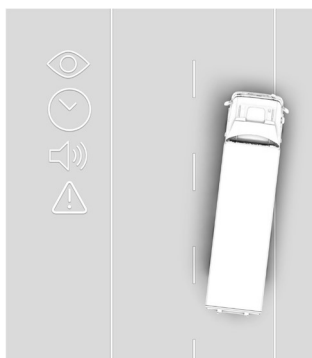
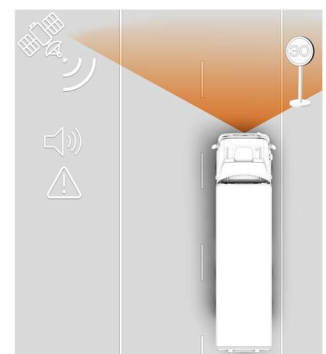
ICL display of towing vehicle tyres. (Tyre_Pressure_truck)



ICL display of trailer tyres. (Tyre_Pressure_Trailer)

The tyre pressure sensor registration can be performed at Scania workshop or simply by using the Driver Display.

EU 2021/1958 Intelligent Speed Assistance (ISA). A system to detect the speed signs and warn the driver from exceeding the speed limit.



EU 2021/1341 Driver Drowsiness and Attention Warning (DDAW). It can monitor the driver's alertness and warn the driver to take a break.