




# ADAS REGULATION OVERVIEW FOR TRUCKS

	NCAP (EU)	UNECE REGULATIONS	GSR (EU)	FMVSS (US)
 <b>AUTOMATIC EMERGENCY BRAKING (AEB)</b>	<b>✓ MANDATORY</b> For trucks by 2025, including pedestrian and cyclist detection.	<b>✓ UNECE R131</b> Mandates AEB for heavy vehicles to prevent rear-end collisions.	<b>✓ MANDATORY</b> For all new trucks, including vulnerable road user detection.	<b>✓ FMVSS No. 127</b> Requires AEB for trucks to prevent rear-end collisions up to 62 mph.
 <b>LANE KEEP ASSIST (LKA)</b>	<b>✓ REQUIRED</b> For new trucks to prevent lane departures.	<b>✓ UNECE R79</b> Regulates lane-keeping systems.	<b>✓ MANDATORY</b> To assist drivers in maintaining lane position.	<b>NOT YET MANDATORY</b> Expected to be included in future safety evaluations starting in 2026.
 <b>BLIND SPOT DETECTION</b>	<b>✓ MANDATORY</b> For new trucks to detect pedestrians and cyclists.	<b>✓ UNECE R151</b> Mandates blind spot monitoring for pedestrian and cyclist protection.	<b>✓ REQUIRED</b> For all new vehicles to enhance detection of vulnerable road users..	<b>NOT YET MANDATORY</b> Expected to be included in future safety evaluations starting in 2026.
 <b>ELECTRONIC STABILITY CONTROL (ESC)</b>	<b>✓ MANDATORY</b> For truck stability and rollover prevention.	<b>✓ UNECE R140</b> Requires ESC for heavy vehicles.	<b>✓ REQUIRED</b> To reduce loss of control and rollovers.	<b>✓ FMVSS No. 136</b> Mandates ESC for heavy trucks to prevent rollovers and improve stability.
 <b>MOVING OFF INFORMATION SYSTEM (MOIS)</b>	<b>✓ MANDATORY</b> To detect and warn drivers of nearby objects when starting from a standstill.	<b>✓ UNECE R159</b> Mandates MOIS for trucks to protect vulnerable road users.	<b>✓ MANDATORY</b> To protect pedestrians and cyclists during low-speed maneuvers.	No specific requirement currently in FMVSS.
 <b>DRIVER DROWSINESS &amp; ATTENTION WARNING</b>	Not specified under NCAP	<b>✓ UNECE R165</b> Mandates systems to monitor driver alertness.	<b>✓ MANDATORY</b> For all new trucks to detect driver fatigue.	No specific requirement currently in FMVSS.
 <b>SPEED ASSISTANCE SYSTEMS (SAS)</b>	<b>✓ REQUIRED</b> For trucks to provide intelligent speed assistance.	<b>✓ UNECE R156 &amp; R157</b> Addresses intelligent speed assistance.	<b>✓ MANDATORY</b> To ensure trucks comply with speed limits.	No specific requirement currently in FMVSS.
 <b>FISH HOOK TEST (ROLLOVER ASSESSMENT)</b>	Not explicitly required under NCAP	Included in stability and control performance checks.	Part of stability evaluations but not a standalone test.	<b>NOT MANDATORY</b> FMVSS No. 136 evaluates rollover prevention, test is not mandatory for trucks.