



General Safety Regulation – Secondary Legislation

[Regulation \(EU\) 2019/2144 of the European Parliament and of the Council](#) of 27 November 2019 on type-approval requirements for motor vehicles and their trailers, and systems, components and separate technical units intended for such vehicles, as regards their general safety and the protection of vehicle occupants and vulnerable road users

is implemented by

- [Commission Implementing Regulation \(EU\) 2021/535](#) of 31 March 2021 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of vehicles, and of systems, components and separate technical units intended for such vehicles, as regards their general construction characteristics and safety
- [Commission Implementing Regulation \(EU\) 2021/646](#) of 19 April 2021 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of motor vehicles with regard to their emergency lane-keeping systems (ELKS)
- [Commission Delegated Regulation \(EU\) 2021/1243](#) of 19 April 2021 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the alcohol interlock installation facilitation in motor vehicles and amending Annex II to that Regulation
- [Commission Delegated Regulation \(EU\) 2021/1341](#) of 23 April 2021 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of motor vehicles with regard to their driver drowsiness and attention warning systems and amending Annex II to that Regulation + [Frequently asked questions on Driver Drowsiness and Attention Warning \(DDAW\)](#)
- [Commission Delegated Regulation \(EU\) 2021/1958](#) of 23 June 2021 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of motor vehicles with regard to their intelligent speed assistance systems and for the type-approval of those systems as separate technical units and amending Annex II to that Regulation + [Questions & Answers Guideline on Intelligent Speed Assistance Systems](#)
- [Commission Delegated Regulation \(EU\) 2022/545](#) of 26 January 2022 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of motor vehicles with regard to their event data recorder and for the type-approval of those systems as separate technical units and amending Annex II to that Regulation
- [Commission Delegated Regulation \(EU\) 2022/1398](#) of 8 June 2022 amending Regulation (EU) 2019/2144 of the European Parliament and of the Council to take

into account technical progress and regulatory developments concerning amendments to Vehicle Regulations adopted in the context of the United Nations Economic Commission for Europe

- [Commission Implementing Regulation \(EU\) 2022/1426](#) of 5 August 2022 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of the automated driving system (ADS) of fully automated vehicles

Delegated acts which have been adopted and are undergoing a two-month scrutiny period before their publication in the Official Journal – None currently

Regulatory acts containing the technical specifications as regards the requirements listed in Annex II of the General Safety Regulation

References are in principle made to texts published in the Official Journal. However, in case formal regulatory text has not yet been published in the Official Journal, the reference is instead made to the final text adopted or agreed that is pending publication.

A RESTRAINT SYSTEMS, CRASH TESTING, FUEL SYSTEM INTEGRITY AND HIGH VOLTAGE ELECTRICAL SAFETY

	Subject	Regulatory acts
A1	Interior fittings	UN Regulation No 21
A2	Seats and head restraints	UN Regulation No 17
A3	Bus seats	UN Regulation No 80
A4	Safety-belt anchorages	UN Regulation No 14
A5	Safety-belts and restraint systems	UN Regulation No 16
A6	Safety-belt reminders	UN Regulation No 16
A7	Partitioning systems	UN Regulation No 126
A8	Child restraint anchorages	UN Regulation No 145
A9	Child restraint systems	UN Regulation No 44
A10	Enhanced child restraint systems	UN Regulation No 129 03 series of amendments
A11	Front underrun protection	UN Regulation No 93
A12	Rear underrun protection	UN Regulation No 58
A13	Lateral protection	UN Regulation No 73
A14	Fuel tank safety	UN Regulation No 34
A15	Liquified petroleum gas safety	UN Regulation No 67
A16	Compressed and liquified natural gas safety	UN Regulation No 110
A17	Hydrogen safety	UN Regulation No 134
A18	Hydrogen system material qualification	Regulation (EU) 2021/535
A19	In-use electric safety	UN Regulation No 100
A20	Frontal off-set impact	UN Regulation No 94 Supplement 1 to the 03 series Supplement 2 to the 03 series
A21	Frontal full-width impact	UN Regulation No 137
A22	Protective steering	UN Regulation No 12
A23	Replacement airbag	UN Regulation No 114
A24	Cab impact	UN Regulation No 29
A25	Side impact	UN Regulation No 95 Supplement 5 to the 03 series Supplement 6 to the 03 series Supplement 7 to the 03 series 04 series
A26	Pole side impact	UN Regulation No 135
A27	Rear impact	UN Regulation No 153

B VULNERABLE ROAD USERS, VISION AND VISIBILITY

	Subject	Regulatory acts
B1	Pedestrian leg and head protection	UN Regulation No 127
B2	Enlarged head impact zone	UN Regulation No 127
B3	Frontal protection system	Regulation (EU) 2021/535
B4	Advanced emergency braking for pedestrian and cyclist	UN Regulation No 152
B5	Pedestrian and cyclist collision warning	UN Regulation No 159
B6	Blind spot information system	UN Regulation No 151
B7	Reversing detection	UN Regulation No 158
B8	Forward vision	UN Regulation No 125
B9	Heavy duty direct vision	No requirements yet
B10	Safety glazing	UN Regulation No 43
B11	Defrost/demist	Regulation (EU) 2021/535
B12	Wash/wipe	Regulation (EU) 2021/535
B13	Indirect vision devices	UN Regulation No 46

C VEHICLE CHASSIS, BRAKING, TYRES AND STEERING

	Subject	Regulatory acts
C1	Steering equipment	UN Regulation No 79
C2	Lane departure warning system	UN Regulation No 130
C3	Emergency lane keeping system	Regulation (EU) 2021/646
C4	Braking	UN Regulation No 13 UN Regulation No 13-H
C5	Replacement braking parts	UN Regulation No 90
C6	Brake assist	UN Regulation No 139
C7	Stability control	UN Regulation No 13 UN Regulation No 140
C8	Advanced emergency braking on heavy duty vehicles	UN Regulation No 131
C9	Advanced emergency braking on light duty vehicles	UN Regulation No 152
C10	Tyre safety and environmental performance	UN Regulation No 30 UN Regulation No 54 UN Regulation No 117
C11	Spare wheels and run-flat systems	UN Regulation No 64
C12	Retreaded tyres	UN Regulation No 108 UN Regulation No 109
C13	Tyre pressure monitoring for light duty	UN Regulation No 141 01 series of amendments
C14	Tyre pressure monitoring for heavy duty	UN Regulation No 141 01 series of amendments
C15	Tyre installation	UN Regulation No 142 01 series of amendments
C16	Replacement wheels	UN Regulation No 124

D ON BOARD INSTRUMENTS, ELECTRICAL SYSTEM, VEHICLE LIGHTING AND PROTECTION AGAINST UNAUTHORISED USE, INCLUDING CYBERATTACKS

	Subject	Regulatory acts
D1	Audible warning	UN Regulation No 28
D2	Radio interference (electromagnetic compatibility)	UN Regulation No 10
D3	Protection against unauthorised use, immobilizer and alarm systems	UN Regulation No 18 UN Regulation No 97 UN Regulation No 116
D4	Protection of vehicle against cyberattacks	UN Regulation No 155
D5	Speedometer	UN Regulation No 39
D6	Odometer	UN Regulation No 39
D7	Speed limitation devices	UN Regulation No 89
D8	Intelligent speed assistance	Regulation (EU) 2021/1958
D9	Identification of controls, tell-tales and indicators	UN Regulation No 121
D10	Heating systems	UN Regulation No 122
D11	Light signalling devices	UN Regulation No 148
D12	Road illumination devices	UN Regulation No 149
D13	Retro-reflective devices	UN Regulation No 150
D14	Light sources	UN Regulation No 37 UN Regulation No 99 UN Regulation No 128
D15	Installation of light signalling, road illumination and retro-reflective devices	UN Regulation No 48 Supplement 11 to the 06 series Supplement 12 to 06 series Supplement 13 to 06 series 07 series of amendments
D16	Emergency Stop Signal	UN Regulation No 48 Supplement 11 to the 06 series Supplement 12 to 06 series Supplement 13 to 06 series 07 series of amendments
D17	Headlamp cleaners	UN Regulation No 45
D18	Gear shift indicator	Regulation (EU) 2021/535

E DRIVER AND SYSTEM BEHAVIOUR

	Subject	Regulatory acts
E1	Alcohol interlock installation facilitation	Regulation (EU) 2021/1243
E2	Driver drowsiness and attention warning	Regulation (EU) 2021/1341
E3	Advanced driver distraction warning	No requirements yet

E4	Driver availability monitoring system	UN Regulation No 157
E5	Event data recorder	UN Regulation No 160 Commission Delegated Regulation (EU) 2022/545
E6	Systems to replace driver's control	UN Regulation No 157
E7	Systems to provide the vehicle with information on state of vehicle and surrounding area	UN Regulation No 157
E8	Platooning	No requirements yet
E9	Systems to provide safety information to other road users	No requirements yet

F GENERAL VEHICLE CONSTRUCTION AND FEATURES

	Subject	Regulatory acts
F1	Registration plate space	Regulation (EU) 2021/535
F2	Reversing motion	Regulation (EU) 2021/535
F3	Door latches and hinges	Regulation No 11
F4	Door entry steps, handholds and running boards	Regulation (EU) 2021/535
F5	External projections	UN Regulation No 26
F6	External projections of commercial vehicle cabs	UN Regulation No 61
F7	Statutory plate and vehicle identification number	Regulation (EU) 2021/535
F8	Towing devices	Regulation (EU) 2021/535
F9	Wheel guards	Regulation (EU) 2021/535
F10	Spray suppression systems	Regulation (EU) 2021/535
F11	Masses and dimensions	Regulation (EU) 2021/535
F12	Mechanical couplings	UN Regulation No 55 UN Regulation No 102
F13	Vehicles intended for the transportation of dangerous goods	UN Regulation No 105
F14	General bus construction	UN Regulation No 107
F15	Bus strength of superstructure	UN Regulation No 66
F16	Flammability in buses	UN Regulation No 118