



THE **Automotive**
Regulatory GUIDE

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ACEA

European
Automobile
Manufacturers
Association

Foreword

It is with great pleasure that I present you ACEA's Regulatory Guide, a unique publication that provides a comprehensive overview of the national and international regulations governing the automotive industry.

This first edition covers the regulatory frameworks of the European Union (EU), United Nations Economic Commission for Europe (UNECE), Gulf Cooperation Council (GCC) and the Association of Southeast Asian Nations (ASEAN), as well as countries such as Brazil, China, India, South Korea, Japan, Taiwan and Israel.

Looking at the many regulations that define how motor vehicles should be built and approved, I cannot stress enough the importance of a harmonised regulatory framework that allows for innovation and investment across our industry. Indeed, the European automotive industry is one of the most heavily regulated sectors in Europe with more than 100 EU Regulations and 80 Directives covering the sector's activities. That is why ACEA has long been advocating the need for smarter, rather than simply more, legislation.

To give you an example, with over 50 different safety regulations in the EU, 77 at UNECE level and 40 for the seven Gulf countries, the harmonisation of procedures and standards is much needed to further advance the global objective of reducing road fatalities to zero in the future. And the same applies to addressing the climate change challenge of course; increased global harmonisation will allow us to get to carbon-neutral mobility faster and more efficiently.

With the support of national and international regulators, the automotive industry is fully committed to facing the challenges of today for a better tomorrow.

I hope that industry stakeholders and policy makers alike will find great added value in this ACEA Regulatory Guide, the first of its kind in the world. I am already looking forward to sharing the next edition which will include more countries for an even more comprehensive overview.



A handwritten signature in blue ink, appearing to read 'Eric-Mark Huitema'.

Eric-Mark Huitema
ACEA DIRECTOR GENERAL

DISCLAIMER

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REGULATORY GUIDE STRUCTURE

Item	Subject	Regulatory Act	Applicability to spare parts
Safety – external, internal, active safety, operation, occupant protection	Title or short description of regulation / topic	Relevant regulation(s) / legal reference(s)	Yes: regulation applicable to type-approval and spare parts No: regulation applicable to type-approval only Empty cell: no clear statement available, needs to be checked
Environment – engine power, fuel consumption, substances, emissions			
Technical – technical requirements for vehicles, components and separate technical units			
Mixed – diverse requirements, other categories			
Aftersales – relevant for aftersales only			

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UNECE

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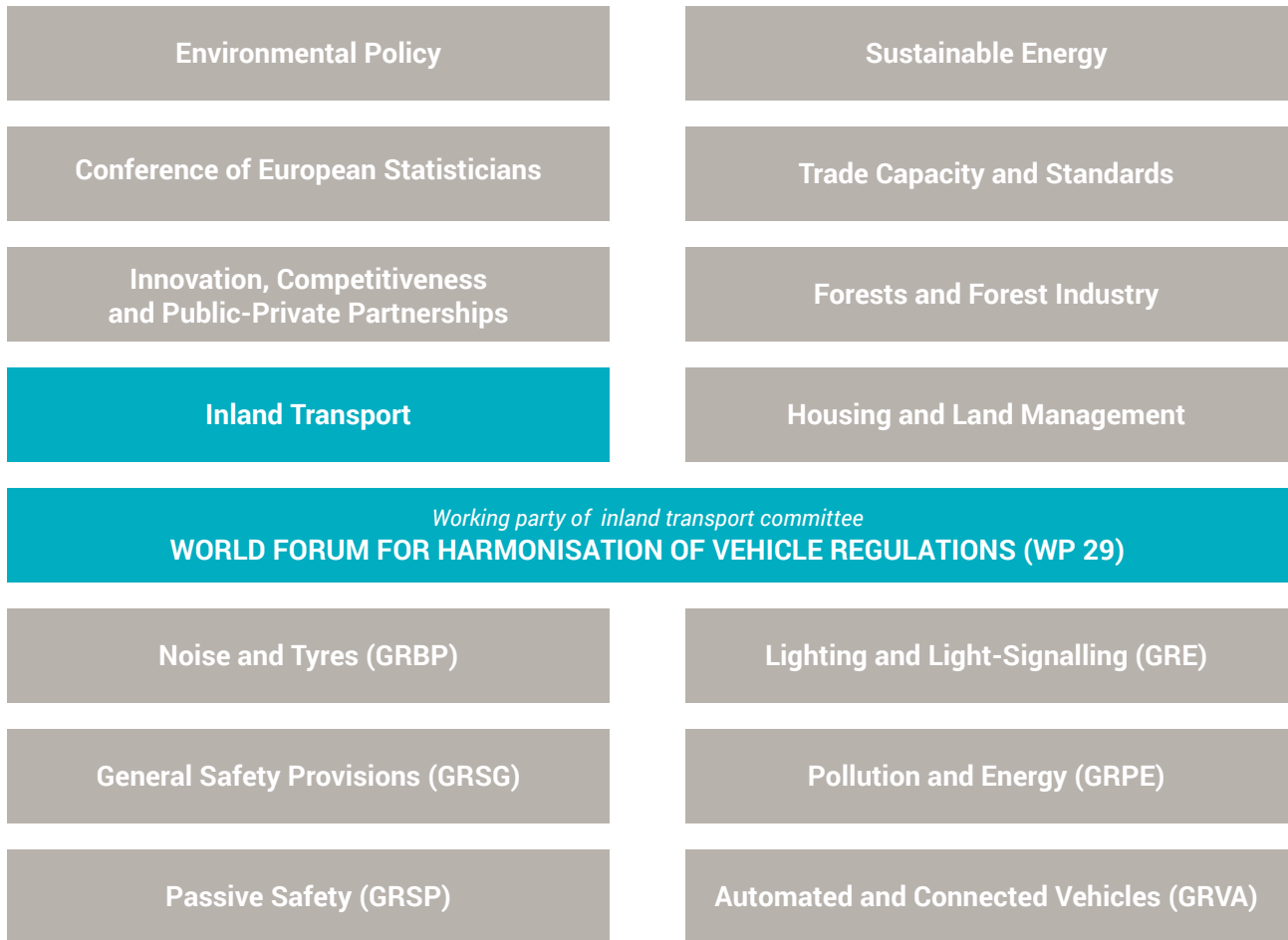
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STRUCTURE AND ORGANISATION

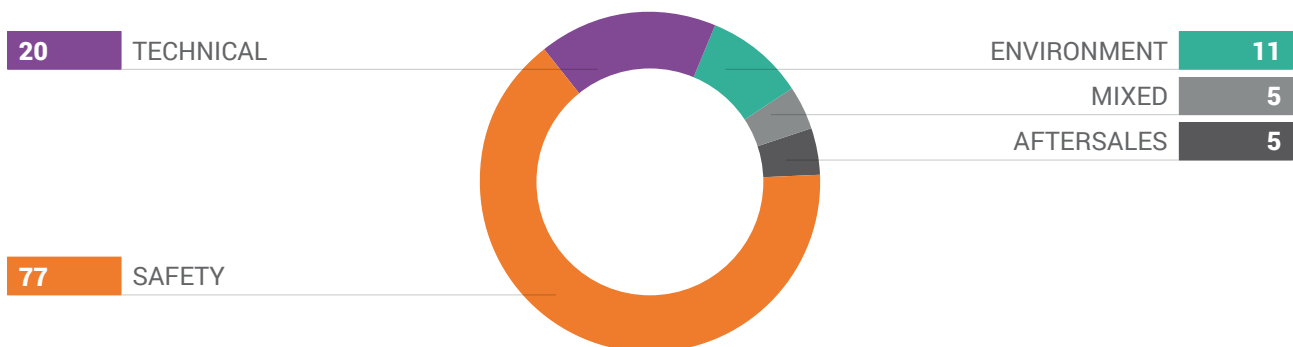
The United Nations Economic Commission for Europe (UNECE) was set up in 1947 by the United Nations Economic and Social Council (ECOSOC). Its main objective is to promote pan-European economic integration. It sets out norms, standards and conventions to facilitate international cooperation within and outside the region.

INTERGOVERNMENTAL STRUCTURE OF UNECE



DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA





Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	International Whole Vehicle Type Approval (IWVTA)	UN R0	No
Safety	Asymmetric headlamps (R2 and / or HS1)	UN R1	Yes
Safety	Retro-reflecting devices	UN R3	Yes
Safety	Rear registration plate lamp	UN R4	Yes
Safety	Asymmetric headlamps (sealed beam)	UN R5	Yes
Safety	Direction indicators	UN R6	Yes
Safety	End-outline marker-, front / rear position-, side-, stop lamps (M, N, O category)	UN R7	Yes
Safety	Headlamps (H1, H2, H3, HB3, HB4, H7, H8, H9, HIR1, HIR2 and / or H11)	UN R8	Yes
Environment	Electromagnetic compatibility	UN R10	Yes
Safety	Door latches and hinges	UN R11	No
Safety	Behaviour of steering device under impact	UN R12	No
Safety	Braking (M, N, O category)	UN R13	Yes
Safety	Braking (passenger cars)	UN R13H	Yes
Safety	Safety belt anchorages, ISOFIX anchorage systems, ISOFIX top tether anchorages and i-Size seating positions	UN R14	Yes
Safety	Safety belts, restraint systems, child restraint systems, ISOFIX child restraint systems and i-Size child restraint systems	UN R16	Yes
Safety	Seat strength	UN R17	
Safety	Anti-theft	UN R18	
Safety	Front fog lamps	UN R19	Yes
Safety	Asymmetric headlamps (H4)	UN R20	Yes
Safety	Interior fittings	UN R21	No
Safety	Reversing lamps	UN R23	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Diesel smoke and power	UN R24	No
Safety	Head restraints (headrests)	UN R25	Yes
Safety	External projections	UN R26	Yes
Safety	Advance warning triangles	UN R27	Yes
Safety	Audible warning devices	UN R28	Yes
Safety	Protection of the occupants of the cab of a commercial vehicle	UN R29	
Technical	Tyres (motor vehicles and their trailers)	UN R30	Yes
Safety	Asymmetric headlamps (halogen sealed beam)	UN R31	Yes
Safety	Fire risks	UN R34	No
Safety	Filament lamps	UN R37	Yes
Safety	Rear fog lamps	UN R38	Yes
Technical	Speedometer	UN R39	Yes
Safety	Safety glazing	UN R43	Yes
Safety	Child restraint systems	UN R44	Yes
Safety	Headlamp cleaners	UN R45	Yes
Technical	Rear-view mirrors	UN R46	Yes
Safety	Installation of lighting and light-signalling devices (M, N, O category)	UN R48	No
Environment	Emissions – diesel, natural gas (NG) and liquefied natural gas (LNG)	UN R49	No
Environment	Sound levels (M, N category)	UN R51	No
Technical	Tyres (commercial vehicles and their trailers)	UN R54	Yes
Technical	Mechanical coupling devices	UN R55	Yes
Safety	Headlamps (mopeds)	UN R56	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Headlamps (motorcycles)	UN R57	Yes
Safety	Rear Underrun Protective Devices (RUPD)	UN R58	
After-sales	Replacement silencing systems	UN R59	Yes
Safety	External projections forward the cab of commercial vehicle	UN R61	No
Technical	Tyres (temporary use spare wheels / tyres)	UN R64	Yes
Technical	Strength of superstructure (buses)	UN R66	No
Safety	Liquefied petroleum gas (LPG) equipment	UN R67	Yes
Mixed	Rear marking plates for slow moving vehicles	UN R69	Yes
Mixed	Rear marking plates for heavy and long vehicles	UN R70	Yes
Safety	Lateral protection (goods vehicles and their trailers)	UN R73	No
Safety	Parking lamps	UN R77	Yes
Safety	Steering equipment	UN R79	No
Safety	Strength of seats and their anchorages (large passenger vehicles)	UN R80	
Environment	Emissions of pollutants according to engine fuel requirements	UN R83	
Mixed	Power – internal combustion and electric (M, N category)	UN R85	No
Safety	Daytime running lamps	UN R87	Yes
Safety	Speed limitation devices	UN R89	Yes
After-sales	Replacement brake lining assemblies and drum brake linings	UN R90	Yes
Safety	Side marker lamps	UN R91	Yes
Safety	Front Underrun Protective Devices	UN R93	
Safety	Protection of the occupants in the event of a frontal collision	UN R94	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Protection of the occupants in the event of a lateral collision	UN R95	No
Environment	Emissions of pollutants by the engine (agricultural and forestry tractors and non-road mobile machinery – NRMM)	UN R96	No
Technical	Alarm systems	UN R97	Yes
Safety	Headlamps with gas-discharge light sources	UN R98	Yes
Safety	Gas-discharge light sources	UN R99	Yes
Safety	Battery electric vehicles safety	UN R100	Yes
Environment	CO2 emission / fuel consumption (M1) and electric energy consumption and range (M1, N1 category)	UN R101	No
Technical	Close coupling devices	UN R102	Yes
After-sales	Replacement catalytic converters	UN R103	Yes
Safety	Retro-reflective markings (heavy and long vehicles)	UN R104	Yes
Safety	Carriage of dangerous goods – construction of vehicles	UN R105	No
Technical	Category M2 or M3 vehicles	UN R107	No
Technical	Retreaded tyres (motor vehicles and their trailers)	UN R108	Yes
Technical	Retreaded tyres (commercial vehicles and their trailers)	UN R109	Yes
Safety	Compressed natural gas (CNG) systems	UN R110	Yes
Technical	Roll-over stability of tank vehicles (N, O category)	UN R111	No
Safety	Asymmetrical headlamps (filament lamps)	UN R112	Yes
Safety	Symmetrical headlamps (filament lamps)	UN R113	Yes
After-sales	Replacement airbags	UN R114	Yes
Mixed	LPG-CNG retrofit systems	UN R115	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Unauthorised use (anti-theft and alarm systems)	UN R116	Yes
Environment	Tyre noise and wet grip	UN R117	Yes
Safety	Fire resistance of interior materials	UN R118	No
Safety	Cornering lamps	UN R119	Yes
Technical	Hand controls, tell-tales and indicators	UN R121	No
Technical	Heating system	UN R122	Yes
Technical	Adaptive Front-lighting Systems	UN R123	Yes
After-sales	Replacement wheels for passenger vehicles	UN R124	Yes
Safety	Forward field of vision	UN R125	No
Safety	Partitioning systems to protect passengers against displaced luggage	UN R126	No
Safety	Pedestrian safety	UN R127	No
Safety	Light Emitting Diode (LED) light sources	UN R128	Yes
Safety	Enhanced Child Restraint Systems (ECRS)	UN R129	Yes
Safety	Lane Departure Warning Systems (LDWS)	UN R130	No
Safety	Advanced Emergency Braking Systems (AEBS)	UN R131	No
Environment	Retrofit Emission Control devices (REC) for heavy-duty vehicles, agricultural and forestry tractors and NRMM	UN R132	Yes
Environment	Recyclability of motor vehicles	UN R133	No
Safety	Safety-related performance of hydrogen-fuelled vehicles (HFCV)	UN R134	Yes
Safety	Pole Side Impact (PSI)	UN R135	No
Safety	Frontal impact with focus on restraint systems	UN R137	No
Environment	Quiet Road Transport Vehicles (QRTV)	UN R138	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Brake Assist Systems (BAS)	UN R139	No
Safety	Electronic Stability Control (ESC)	UN R140	No
Technical	Tyre Pressure Monitoring Systems (TPMS)	UN R141	No
Technical	Tyre installation	UN R142	No
Safety	Heavy Duty Dual-Fuel Engine Retrofit Systems (HDDF-ERS)	UN R143	Yes
Safety	Accident Emergency Call Systems (AECS)	UN R144	Yes
Safety	ISOFIX anchorage systems, ISOFIX top tether anchorages and i-Size seating positions	UN R145	No
Safety	Mechanical coupling components of combinations of agricultural vehicles	UN R147	Yes
Safety	Light Signalling Devices (LSD)	UN R148	Yes
Technical	Road Illumination Devices (RID)	UN R149	Yes
Safety	Retro-Reflective Devices (RRD)	UN R150	Yes
Safety	Blind spot information system for the detection of bicycles	UN R151	No
Safety	Advanced Emergency Braking Systems (AEBS) for M1 and N1 vehicles	UN R152	No



EU

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EU INSTITUTIONS

THERE ARE THREE MAIN INSTITUTIONS INVOLVED IN EU LEGISLATION:



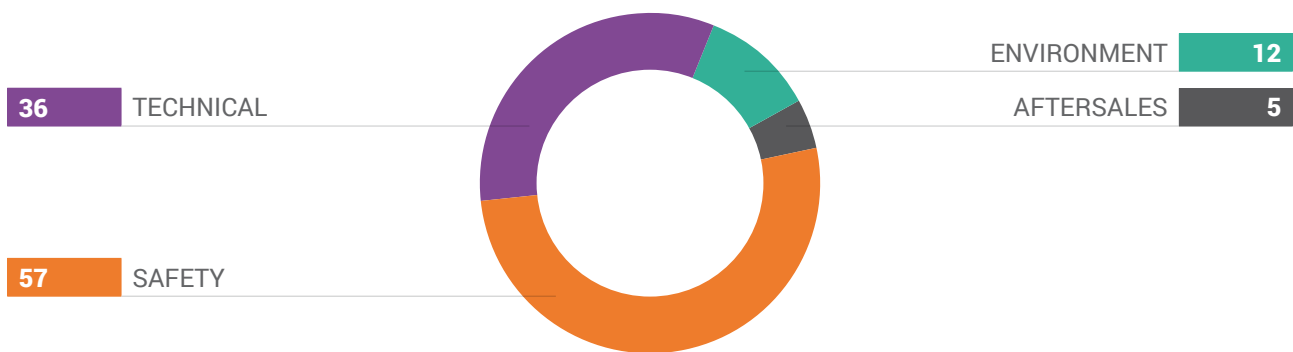
Together, these three institutions produce through the 'Ordinary Legislative Procedure' (ex 'co-decision') the policies and laws that apply throughout the EU.

In principle, the European Commission proposes new laws, and the Parliament and Council adopt them.

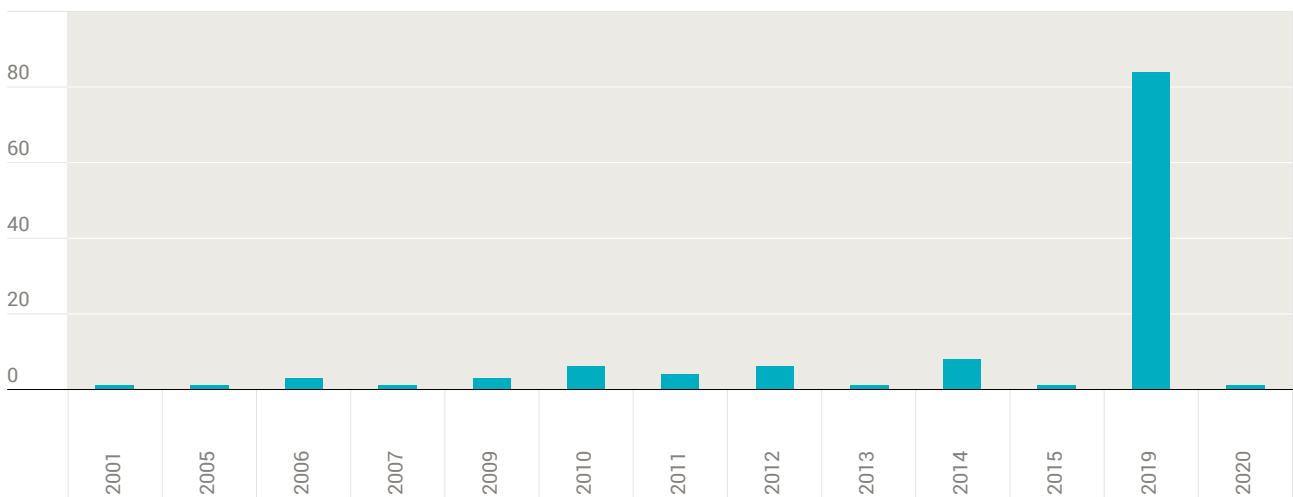
The Commission and the member countries then implement them, and the Commission ensures that the laws are properly applied and implemented.

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts	
Safety	3A	Prevention of fire risks (liquid fuel tanks) (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R34	No
Safety	3B	Rear Underrun Protective Devices (RUPD) and their installation; Rear Underrun Protection (RUP) (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R58	
Safety	5A	Steering equipment (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R79	
Safety	6A	Vehicle access and manoeuvrability (steps, running boards and handholds) (M1, N category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 130 / 2012	No
Safety	6B	Door latches and door retention components (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R11	No
Safety	7A	Audible warning devices and signals (M, N category)	Regulation (EC) No 2019 / 2144 UN R28	Yes
Safety	8A	Devices for indirect vision and their installation (M, N category)	Regulation (EC) No 2019 / 2144 UN R46	Yes
Safety	9A	Braking of vehicles and trailers (M2, M3, N, O category)	Regulation (EC) No 2019 / 2144 UN R13	
Safety	9B	Braking of passenger cars (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R13-H	
Safety	12A	Interior fittings (M1 category)	Regulation (EC) No 2019 / 2144 UN R21	No
Safety	13A	Protection of motor vehicles against unauthorised use (M2, M3, N2, M3, O category)	Regulation (EC) No 2019 / 2144 UN R18	
Safety	14A	Protection of the driver against the steering mechanism in the event of impact (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R12	No
Safety	15A	Seats, their anchorages and any head restraints (M, N category)	Regulation (EC) No 2019 / 2144 UN R17	No
Safety	16A	External projections (M1 category)	Regulation (EC) No 2019 / 2144 UN R26	No
Safety	19A	Safety belt anchorages, ISOFIX anchorage systems and ISOFIX top tether anchorages (M, N category)	Regulation (EC) No 2019 / 2144 UN R14	No
Safety	20A	Installation of lighting and light-signalling devices on vehicles (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R48	No
Safety	21A	Retro-reflecting devices for power-driven vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R3	Yes



Item	Subject	Regulatory Act	Applicability to spare parts	
Safety	22A	Front and rear position lamps, stop lamps and end-outline marker lamps for motor vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R7	Yes
Safety	22B	Daytime running lamps for power-driven vehicles (M, N category)	Regulation (EC) No 2019 / 2144 UN R87	Yes
Safety	22C	Side-marker lamps for motor vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R91	Yes
Safety	23A	Direction indicators for power-driven vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R6	Yes
Safety	24A	Illumination of rear registration plates of power-driven vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R4	Yes
Safety	25A	Power-driven vehicle sealed-beam headlamps (SB) emitting a European asymmetrical passing beam or a driving beam or both (M, N category)	Regulation (EC) No 2019 / 2144 UN R31	Yes
Safety	25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R37	Yes
Safety	25C	Motor vehicle headlamps equipped with gas-discharge light sources (M, N category)	Regulation (EC) No 2019 / 2144 UN R98	Yes
Safety	25D	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles (M, N category)	Regulation (EC) No 2019 / 2144 UN R99	Yes
Safety	25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both, and equipped with filament lamps and / or LED modules (M, N category)	Regulation (EC) No 2019 / 2144 UN R112	Yes
Safety	25F	Adaptive front-lighting systems (AFS) for motor vehicles (M, N category)	Regulation (EC) No 2019 / 2144 UN R123	Yes
Safety	26A	Power-driven vehicle front fog lamps (M, N category)	Regulation (EC) No 2019 / 2144 UN R19	Yes
Safety	28A	Rear fog lamps for power-driven vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R38	Yes
Safety	29A	Reversing lights for power-driven vehicles and their trailers (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R23	Yes
Safety	30A	Parking lamps for power-driven vehicles (M, N category)	Regulation (EC) No 2019 / 2144 UN R77	Yes
Safety	31A	Safety belts, restraint systems, child restraint systems and ISOFIX child restraint systems (M, N category)	Regulation (EC) No 2019 / 2144 UN R16	Yes



Item	Subject	Regulatory Act	Applicability to spare parts	
Safety	32A	Forward field of vision (M1 category)	Regulation (EC) No 2019 / 2144 UN R125	
Safety	33A	Location and identification of hand controls, tell-tales and indicators (M, N category)	Regulation (EC) No 2019 / 2144 UN R121	No
Safety	34A	Windscreen defrosting and demisting systems (M1 category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 672 / 2010	
Safety	35A	Windscreen wiper and washer systems (M1 category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 1008 / 2010	Yes
Safety	37A	Wheel guards (M1 category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 1009 / 2010	No
Safety	38A	Head restraints (headrests), whether or not incorporated in vehicle seats (M1 category)	Regulation (EC) No 2019 / 2144 UN R25	Yes
Safety	42A	Lateral protection of goods vehicles (N2, N3, O3, O4 category)	Regulation (EC) No 2019 / 2144 UN R73	
Safety	45A	Safety glazing materials and their installation on vehicles (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R43	Yes
Safety	47A	Speed limitation of vehicles (M2, M3, N2, N3 category)	Regulation (EC) No 2019 / 2144 UN R89	
Safety	53A	Protection of occupants in the event of a lateral collision (M1 category)	Regulation (EC) No 2019 / 2144 UN R94	No
Safety	54A	Protection of occupants in the event of a lateral collision (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R95	No
Safety	55A	Pole side impact (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R135	No
Safety	56A	Vehicles for the carriage of dangerous goods (N, O category)	Regulation (EC) No 2019 / 2144 UN R105	No
Safety	57A	Front Underrun Protective Devices (FUPD) and their installation; Front Underrun Protection (FUP) (N2, N3 category)	Regulation (EC) No 2019 / 2144 UN R93	
Safety	58	Pedestrian protection (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R127	No
Safety	62	Hydrogen system (M, N, O4 category)	Regulation (EC) No 2019 / 2144 UN R134	Yes
Safety	63	General safety (M, N, O category)	Regulation (EC) No 2019 / 2144	Yes
Safety	65	Advanced Emergency Braking System (AEBS) (M2, M3, N2, N3 category)	Regulation (EC) No 2019 / 2144 UN R131	No
Safety	66	Lane Departure Warning System (M2, M3, N2, N3 category)	Regulation (EC) No 2019 / 2144 UN R130	No



Item	Subject	Regulatory Act	Applicability to spare parts	
Safety	67	Specific components for liquefied petroleum gas (LPG) and their installation on motor vehicles (M, N category)	Regulation (EC) No 2019 / 2144 UN R67	Yes
Safety	69	Electric safety (M, N category)	Regulation (EC) No 2019 / 2144 UN R100	Yes
Safety	70	Specific components for compressed natural gas (CNG) and their installation on motor vehicles (M, N category)	Regulation (EC) No 2019 / 2144 UN R110	Yes
Safety	72	eCall system (M1, N1 category)	Regulation (EU) 2015 / 758 of the European Parliament and of the Council UN R144	Yes
Technical	4A	Space for mounting and fixing rear registration plates (M, N, O category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 1003 / 2010	No
Technical	13B	Protection of motor vehicles against unauthorised use (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R116	Yes
Technical	15B	Seats of large passenger vehicles (M2, M3 category)	Regulation (EC) No 2019 / 2144 UN R80	
Technical	17A	Vehicle access and manoeuvrability (reverse gear) (M, N category)	Regulation (EC) No 2019 / 2144 Regulation (EU) No 130 / 2012	No
Technical	17B	Speedometer equipment including its installation (M, N category)	Regulation (EC) No 2019 / 2144 UN R39	No
Technical	18A	Manufacturer's statutory plate and Vehicle Identification Number (VIN) (M, N, O category)	Regulation (EC) No 2019 / 2144 Regulation (EU) No 19 / 2011	No
Technical	27A	Towing device (M, N category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 1005 / 2010	No
Technical	36A	Heating systems (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R122	Yes
Technical	43A	Spray suppression systems (N, O category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 109 / 2011	
Technical	44A	Masses and dimensions (M1 category)	Regulation (EC) No 2019 / 2144 Regulation (EU) No 1230 / 2012	
Technical	46A	Installation of tyres (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R142	
Technical	46B	Pneumatic tyres for motor vehicles and their trailers (Class C1) (M1, N1, O1, O2 category)	Regulation (EC) No 2019 / 2144 UN R30	Yes
Technical	46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C2 and C3) (M2, M3, N1, N2, N3, O3, O4 category)	Regulation (EC) No 2019 / 2144 UN R54	Yes
Technical	46E	Temporary-use spare unit, run-flat tyres / system and tyre pressure monitoring system (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R64	Yes



Item	Subject	Regulatory Act	Applicability to spare parts	
Technical	48A	Masses and dimensions (M2, M3, N, O category)	Regulation (EC) No 2019 / 2144 Regulation (EU) No 1230 / 2012	
Technical	49A	Commercial vehicles with regard to their external projections forward of the cab rear panel (N category)	Regulation (EC) No 2019 / 2144 UN R61	
Technical	50A	Mechanical coupling components of combinations of vehicles (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R55	Yes
Technical	50B	Close-coupling device (CCD); fitting of an approved type of CCD (N2, N3, O3, O4)	Regulation (EC) No 2019 / 2144 UN R102	Yes
Technical	51A	Burning behaviour of materials used in the interior construction of certain categories of motor vehicles (M3 category)	Regulation (EC) No 2019 / 2144 UN R118	No
Technical	52A	M2 and M3 vehicles (M2, M3 category)	Regulation (EC) No 2019 / 2144 UN R107	No
Technical	52B	Strength of the superstructure of large passenger vehicles (M2, M3 category)	Regulation (EC) No 2019 / 2144 UN R66	No
Technical	68	Vehicle Alarm Systems (VAS) (M1, N1 category)	Regulation (EC) No 2019 / 2144 UN R97	Yes
Technical	71	Cab strength (N category)	Regulation (EC) No 2019 / 2144 UN R29	No
Environment	1A	Sound level (M, N category)	Regulation (EU) No 540 / 2014 of the European Parliament and of the Council UN R51	No
Environment	2A	Emissions (Euro 5 and Euro 6) light-duty vehicles / access to information (M1, M2, N1, N2 category)	Regulation (EC) No 715 / 2007	Yes
Environment	10A	Electromagnetic compatibility (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R10	Yes
Environment	41A	Emissions (Euro VI) heavy-duty vehicles / access to information (M, N category)	Regulation (EC) No 595 / 2009	
Environment	46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3) (M, N, O category)	Regulation (EC) No 2019 / 2144 UN R117	Yes
Environment	59	Recyclability (M1, N1 category)	Directive 2005 / 64 / EC of the European Parliament and of the Council	No
Environment	61	Air-conditioning systems (M1, N1 category)	Directive 2006 / 40 / EC of the European Parliament and of the Council	No
Environment	64	Gear shift indicators (M1 category)	Regulation (EC) No 2019 / 2144 Commission Regulation (EU) No 65 / 2012	No
Safety		General product safety *	Directive 2001 / 95 / EC	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Restriction of the use of certain hazardous substances in electrical and electronic equipment *	Directive 2011 / 65 / EU	Yes
Environment	Waste electrical and electronic equipment *	Directive 2012 / 19 / EU	Yes
Environment	Batteries and waste batteries *	Directive 2006 / 66 / EC	Yes
Environment	Labelling of tyres with respect to fuel efficiency and other parameters *	Regulation (EU) No 2020 / 740	Yes
Technical	Ecodesign requirements for energy-related products *	Directive 2009 / 125 / EC	Yes
Technical	Simple pressure vessels *	Directive 2014 / 29 / EU	Yes
Technical	Electrical equipment designed for use within certain voltage limits *	Directive 2014 / 35 / EU	Yes
Technical	Machinery *	Directive 2006 / 42 / EC	Yes
Technical	Electromagnetic compatibility *	Directive 2014 / 30 / EU	Yes
Technical	Radio equipment *	Directive 2014 / 53 / EU	Yes
Technical	Pressure equipment *	Directive 2014 / 68 / EU	Yes
Technical	Transportable pressure equipment *	Directive 2010 / 35 / EU	Yes
Technical	Pyrotechniques *	Directive 2013 / 29 / EU	Yes
Technical	Interoperability of Electronic Road Toll System *	Decision 2009 / 750 / EC Implementing Directive 2004 / 52 / EC	
Technical	Tachographs in road transport *	Regulation (EU) No 165 / 2014 EU COMM implementing regulation (EU) 2019 / 1213 dt. 12.07.2019 regarding implementation of interoperability and compatibility of on-board weighing equipment pursuant to Council Directive 96 / 53 / EC	Yes
Technical	Technical information necessary for roadworthiness testing *	Directive 2014 / 45 / EU Regulation (EU) 2019 / 621	
Technical	On-board weighing system (M2, M3, N2, N3 category) *	Regulation (EU) 2019 / 1213 Directive (EU) 2015 / 719	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Aftersales	Replacement silencing systems	UN R59	Yes
Aftersales	Replacement brake lining assemblies and drum brake linings	UN R90	Yes
Aftersales	Replacement catalytic converters	UN R103	Yes
Aftersales	Replacement airbags	UN R114	Yes
Aftersales	Replacement wheels for passenger vehicles	UN R124	Yes



Brazil

AUTOMOTIVE REGULATORY GUIDE

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INMETRO
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ANATEL
National Telecommunications Agency

DENATRAN
National Traffic Department

CONTRAN
National Traffic Council

ABNT
Brazilian Association on Technical Standards

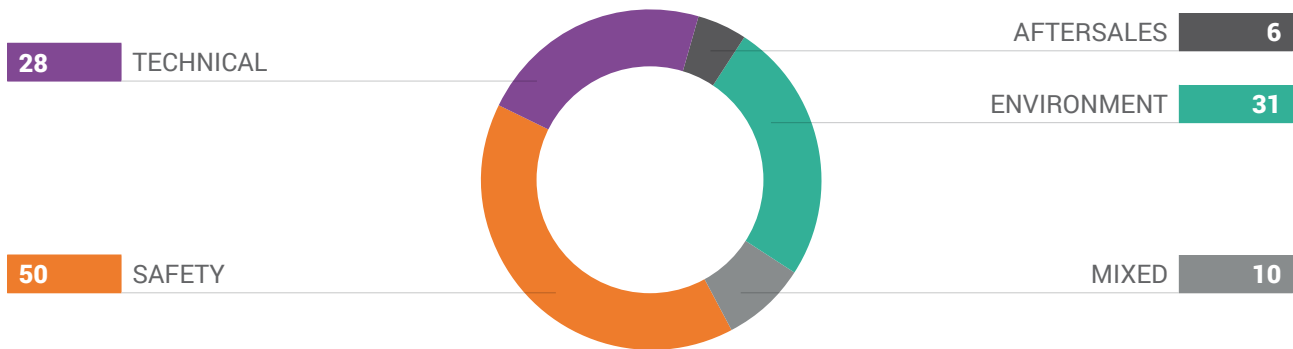
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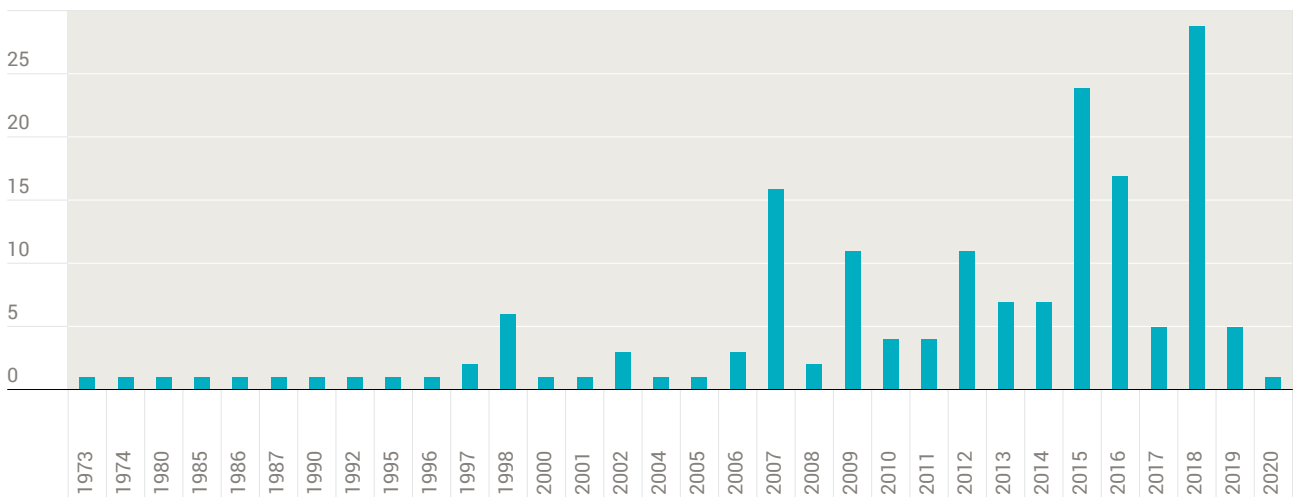
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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Certification of steering components (tie rod ends / ball joint, steering draglinks, tie rods, axial rod ends)	INMETRO 268 / 2013 INMETRO 247 / 2013 INMETRO 29 / 2015 INMETRO 455 / 2014	Yes
Safety	Obligation to equip with Anti-lock Braking System (ABS)	CONTRAN 380 / 2011 (amended by CONTRAN 596 / 16, 535 / 15 and 395 / 11)	No
Safety	Requirement for brakes, braking systems (temporary replacement device)	CONTRAN 519 / 2015	No
Safety	Requirement for brake fluid	INMETRO 078 / 2011	
Safety	Certification friction materials for road vehicle brakes	INMETRO 55 / 2014 INMETRO 80 / 2016	Yes
Safety	Production and retreading of tyres with tread-wear indicators	CONTRAN 558 / 1980	
Safety	Requirements for the conformity assessment of new tyres	INMETRO 544 / 2012 INMETRO 538 / 2012 INMETRO 365 / 2015 INMETRO 251 / 2016	Yes
Safety	Spare and temporary use wheels, Tyre Pressure Monitoring System (TPMS) and run-flat tyres	CONTRAN 540 / 2015 (amended by CONTRAN 719 / 17)	Yes
Safety	Requirement for spare tyre information plate	CONTRAN 540 / 2015 (amended by CONTRAN 719 / 17) INMETRO for wheels and tyres	Yes
Safety	Requirement for wheels / trims	INMETRO 445 / 2010 INMETRO 17 / 2013 INMETRO 362 / 2011 INMETRO 421 / 2012	Yes
Safety	Certification of various vehicle components (steering terminals, steering bars, tie bars, axial terminals for motor vehicles, suspension, shock absorbers, fuel pumps for Otto cycle engines, horns, piston aluminum alloy, pin and locking snap, ring, piston rings, upper and lower bearings, lamps)	INMETRO 301 / 2011 INMETRO 275 / 2012 INMETRO 17 / 2013 INMETRO 29 / 2015 INMETRO 455 / 2014	Yes
Safety	Requirement for external projections (only for wheels)	CONTRAN 426 / 2012	No
Safety	Requirement for pedestrian protection	CONTRAN 752 / 2018	No
Safety	Requirement for additional fuel tank and change of volume (original fuel tank)	CONTRAN 181 / 2005 (amended by CONTRAN 194 / 2006)	
Safety	Requirement for hood latch	CONTRAN 426 / 2012	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for door locks and hinges	CONTRAN 463 / 1973 (superseded by CONTRAN 757 / 2018 as of 01.01.2024) CONTRAN 486 / 1974	No
Safety	Requirements for door locks and hinges (transfer of the subject "door locks and hinges" from CONTRAN 463 / 1973 to 757 / 2018) Seat strength	CONTRAN 757 / 2018	No
Safety	Control of the direction of the energy absorber – Test method for determination of characteristics	ABNT NBR 7540:2016 CONTRAN 463 / 73 – Repealed by 708 / 17	
Safety	Requirement for interior fittings, power-operated windows	CONTRAN 531 / 2015 CONTRAN 468 / 2013 (amended by CONTRAN 642 / 16)	No
Safety	Installation of head restraints at all seating positions, safety belts and their anchoring (ISO-FIX - excluded 2+2 seats)	CONTRAN 518 / 2015 (repeals CONTRAN 44 / 1998 as of 29.01.2020)	No
Safety	Requirement for safety belt reminder	CONTRAN 760 / 2018	No
Safety	Flammability of interior materials	CONTRAN 498 / 2014	No
Safety	Requirement for controls, indicator lights and displays	CONTRAN 225 / 2007 (superseded by CONTRAN 758 / 2018 as of 01.01.2021) CONTRAN 758 / 2018 ABNT NBR 16320:2014	No
Safety	Anti-theft system	CONTRAN 37 / 1998	No
Safety	Requirement for frontal impact	CONTRAN 221 / 2007 (amended by CONTRAN 595 / 16 and 255; superseded by CONTRAN 756 / 18 as of 01.01.2026) CONTRAN 595 / 2016 CONTRAN 255 / 2007 CONTRAN 756 / 2018 (repeals CONTRAN 221 / 2007 as of 01.01.2026)	No
Safety	Requirement for side impact (only for moveable barriers)	CONTRAN 721 / 2018	No
Safety	Occupants protection of commercial vehicles (cab strength)	CONTRAN 765 / 2018	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for structure behaviour in event of rear impact	CONTRAN 221 / 2007 (amended by CONTRAN 595 / 16 and 255; revoked as of 01.01.2026 by CONTRAN 756 / 18) CONTRAN 595 / 2016 CONTRAN 255 / 2007 CONTRAN 756 / 2018 (repeals 221 / 2007 as of 01.01.2026) (subordinate regulation for ABNT NBR 15240)	No
Safety	Requirement for fuel tank tightness in the event of rear impact	CONTRAN 221 / 2007 (amended by 595 / 16 and 255; revoked as of 01.01.2026 by Resolution 756 / 18) CONTRAN 595 / 2016 CONTRAN 255 / 2007 CONTRAN 756 / 2018 (repeals 221 / 2007 as of 01.01.2026)	No
Safety	Requirement for pole side impact	CONTRAN 751 / 2018	No
Safety	Requirement for rear-end impact	CONTRAN 756 / 2018 (repeals 221 / 2007 as of 01.01.2026)	No
Safety	Audible warning devices	CONTRAN 764 / 2018 CONTRAN 37 / 1998 CONTRAN 35 / 1998	
Safety	Rear Underrun Protective Devices (RUPD)	CONTRAN 593 / 2016 CONTRAN 674 / 2017 CONTRAN 645 / 19	
Safety	Seat belt anchorages, restraint systems	CONTRAN 646 / 2018 (M2) CONTRAN 753 / 2018 (M2) CONTRAN 518 / 2015 CONTRAN 416 / 2012 (M2) CONTRAN 568 / 2015 (M2)	
Safety	Child restraints systems	CONTRAN 639 / 2016 CONTRAN 541 / 2015 CONTRAN 533 / 2015 CONTRAN 352 / 2010 CONTRAN 518 / 2015 (ISOFIX anchorage) CONTRAN 277 / 2008 INMETRO 466 / 2014	
Safety	Safety requirements Road vehicles Child restraints	ABNT NBR 14400:2020	
Safety	Steering equipment Control of the direction of the energy absorber – Test method for determination of characteristics	ABNT NBR 7540:2016	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Front Underrun Protection Devices	CONTRAN 755 / 2018	
Safety	Vehicle Alarm Systems	CONTRAN 686 / 1987 CONTRAN 559 / 2015 CONTRAN 37 / 1998 CONTRAN 35 / 1998 CONTRAN 764 / 2018 CONTRAN 559 / 15 suspends the effects from CONTRAN 245 / 07 regarding the tracking and blocking device	
Safety	Requirements for vehicles propelled by hybrid, plug-in hybrid and electric propulsion	CONTRAN 749 / 2018	
Safety	Requirement for seat anchoring Seat strength	CONTRAN 518 / 2015 CONTRAN 416 / 2012 (M2)	No
Safety	Electronic Stability Control (ESC)	CONTRAN 567 / 2015 CONTRAN 641 / 2016	No
Safety	Indirect vision	CONTRAN 226 / 2007 CONTRAN 763 / 2018 (M2 – school) CONTRAN 703 / 2017	
Safety	Speedometer	CONTRAN 14 / 98	
Safety	Replacement silencing systems	CONAMA 01 / 1993 CONAMA 17 / 1995	
Safety	Strength of superstructure (buses and coaches)	CONTRAN 445 / 13 CONTRAN 629 CONTRAN 644	
Safety	Lateral protection (goods vehicles and their trailers)	ABNT NBR 16204-2:2013 (Road vehicles – Occupant protection – Side impact tests. Part 2: Procedure and performance requirements in side impact test with impact speed at an angle of 63° to the longitudinal axis of the vehicle) Resolution CONTRAN 323 / 09	
Safety	Strength of seats and their anchorages (large passenger vehicles)	Resolution CONTRAN 463 / 73 Resolution CONTRAN 406 / 12 (M2 only)	
Safety	Requirement for road load resistance Procedure for determination of road load resistance	ABNT NBR 10312:2014 INMETRO 377 / 2011	
Safety	Buses and coaches (Category M2 or M3 Vehicles)	CONTRAN 445 / 13 CONTRAN 629 CONTRAN 644	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Scope of application: headlight for high beam, dimmed headlights, fog lights, reversing light, driving indicator (front, side, rear), brake / registration / limitation / tail / rear / fog / park / outline marker lights, reflectors (front, side, rear), side marker / daytime running light / turning light	CONTRAN 227 / 2007 (amended by CONTRAN 294 / 2008 and 383 / 2011, superseded by CONTRAN 667 / 2017 as of 01.01.2023) CONTRAN 436 / 2013 (superseded by CONTRAN 667 / 2017 as of 01.01.2023) CONTRAN 761 / 2018	No
Technical	Requirement for lighting devices (installation)	CONTRAN 667 / 2017 (valid as of 01.01.2021) CONTRAN 761 / 2018	No
Technical	Rear registration plate lighting	CONTRAN 227 / 2007 CONTRAN 667 / 2017	
Technical	Requirement for warning triangle	CONTRAN 827 / 1996 CONTRAN 14 / 1998	No
Technical	Requirement for acoustic signs	CONTRAN 35 / 1998 (revoked by CONTRAN 764 / 18 as of 01.01.2022) CONTRAN 37 / 1998	No
Technical	Requirement for safety glass	CONTRAN 254 / 2007 (amended by CONTRAN 078 / 09; 386 / 11; 580 / 16; 707 / 17)	No
Technical	Requirement for windscreen wiper and washer	CONTRAN 224 / 2007	No
Technical	Requirement for mirrors (interior and exterior)	CONTRAN 703 / 2017 CONTRAN 226 / 2007 (valid until October 2024)	No
Technical	Requirement for rear warning and monitoring systems according to ISO 17386	CONTRAN 759 / 2018	No
Technical	Installation and use of navigation systems and TV / Video	CONTRAN 242 / 2007	No
Technical	Requirement for Emergency Stop Signal (ESS)	CONTRAN 761 / 2018 CONTRAN 667 / 2017	No
Technical	Requirement for structure of Vehicle Identification Number (VIN)	CONTRAN 24 / 1998 (amended by CONTRAN 581 / 16) CONTRAN 581 / 2016 ABNT NBR 6066 DENATRAN Ordinance 17 / 2000	No
Technical	Requirement for registration plate	CONTRAN 780 / 2019	No
Technical	Requirements for lead-acid batteries	INMETRO 455 / 2014 CONAMA 401 / 2008 (amended by CONAMA 424 / 2010) INMETRO 199 / 2015 INMETRO 299 / 2012 INMETRO Ordinance 299 / 12 CONAMA 401 / 2008 INMETRO Ordinance 239 / 12	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirements for application of engraved Vehicle Identification Number	Res 24 / 98 MERCOSUL / GMC / Res 87 / 94 ABNT NBR 6066 DENATRAN Ordinance 17 / 00	No
Technical	Mechanical coupling devices	CONTRAN 197 / 2006 (amended by CONTRAN234 / 2007) Standards NBR ISO 3853 / 1998 NBR ISO 1103 / 2007 INMETRO 215 / 2007 INMETRO 16 / 2009	Yes
Technical	Fire resistance of interior materials	CONTRAN 545 / 2015 CONTRAN 498 / 2014	
Technical	Rear registration plate	CONTRAN 780 / 2019	
Technical	Spray-suppression systems	CONTRAN 762 / 2018	
Technical	Fire extinguisher	INMETRO 486 / 2010 INMETRO 158 / 2015 CONTRAN 14 / 1998 CONTRAN 556 / 2015	Yes
Technical	5° Wheel	INMETRO 236 / 2008 INMETRO 239 / 2020	Yes
Technical	Tachograph	INMETRO 201 / 2004	
Technical	Microwave	INMETRO 497 / 2011	
Technical	TV	INMETRO 563 / 2014	
Technical	Accessibility for complete urban buses	INMETRO 153 / 2009	
Technical	Accessibility for complete intercity buses	INMETRO 152 / 2009	
Technical	Auxiliary axle used in transformed vehicles	INMETRO 13 / 2014	
Technical	Dangerous goods transportation	INMETRO 91 / 2009 INMETRO 457 / 2008	
Environment	Complement to existing requirements for limits, measurement and durability of emission testing – PROCONVE L7. Real Driving Emissions (RDE) Monitoring (light-duty vehicles)	CONAMA 492 / 2018	No
	Complement to existing requirements for limits, measurement and durability of emission testing – PROCONVE L8. RDE with Conformity Factor (CF), complement fleet requirement (light-duty vehicles)	CONAMA 492 / 2018	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Requirement for amount of biodiesel in market fuel	CNPE 16 / 2018	No
Environment	Requirement for exhaust location	ABNT NBR 5533:1988 ABNT NBR ISO 612:2006 ABNT NBR 6047:1990 ABNT NBR 6067:2007 ABNT NBR 9500:2010 ABNT NBR 9762:2012	No
Environment	On-Board Diagnostic (OBD) requirements for heavy-duty vehicles	PROCONVE P7 CONAMA 403 / 2008 IBAMA Normative Instruction 04 / 2010 PROCONVE P8 CONAMA 490 / 2018 IBAMA Normative Instruction 20 / 2020	No
Environment	Requirement for OBDBR-D (light-duty vehicles)	IBAMA 05 / 2013	No
Environment	Requirement for OBDBr-2+ (light-duty vehicles)	IBAMA 24 / 2009	No
Environment	Introduction of OBDBr-1 and OBDBr-2 (light-duty vehicles)	CONAMA 354 / 2004	No
Environment	Test procedure EVAP, consumption, emissions (light-duty vehicles)	CONAMA 415 / 2009 ABNT NBR 11481:2010	No
Environment	Amendment test fuel, amendment of evaporation (EVAP) test procedure (light-duty vehicles)	CONAMA 415 / 2009 ABNT NBR 11481:2010 ABNT NBR 6601:2012	No
Environment	Requirement for evaporation (EVAP) (light-duty vehicles)	CONAMA 492 / 2018	No
Environment	Requirement for on-board refueling vapor recovery (ORVR) systems (light-duty vehicles)	CONAMA 492 / 2018	No
Environment	Amendment of Hydrocarbon (HC) evaporation limit value (light-duty vehicles)	CONAMA 415 / 2009	No
Environment	Modification of current external noise requirements	CONAMA 492 / 2018 (light-duty vehicles) CONAMA 490 / 2018 (heavy-duty vehicles)	No
Environment	Requirement for noise emission limits, testing procedure and general requirements	PROCONVE P7 and L6 CONAMA 01 / 1993 CONAMA 272 / 2000 PROCONVE L7 / L8 CONAMA 492 / 2018 CONAMA 01 / 1993 CONAMA 272 / 2000 PROCONVE P8 CONAMA 490 / 2018 CONAMA 01 / 1993 CONAMA 272 / 2000	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Requirement for vehicle test weight (light-duty vehicles)	ABNT NBR 6601:2012	No
Environment	Determination of aldehydes (light-duty vehicles)	ABNT NBR 12026:2016	No
Environment	Test method emissions and consumption (light-duty vehicles)	ABNT NBR 16567:2016	No
Environment	Requirement for road load resistance (light-duty vehicles)	ABNT NBR 10312:2019	No
Environment	Procedure for determination of road load resistance (light-duty vehicles)	ABNT NBR 10312:2019 INMETRO 015 / 2016	
Environment	Requirement for test procedure fuel consumption (light-duty vehicles)	ABNT NBR 7024:2017	No
Environment	Diesel smoke and power	CONAMA 16 / 1995 CONAMA 226 / 1997 CONAMA 315 / 2002 Arla 32 Requirements HDV: CONAMA Resolution 403 / 2008 (PROCONVE P7) CONAMA Resolution 490 / 2018 (PROCONVE P8)	No
Environment	Specifications for reference test fuel	ANP 764 / 2018	No
Environment	Test method emissions and consumption (light-duty vehicles)	ABNT NBR 16567:2016	No
Environment	Regulation of fuel efficiency (light-duty vehicles)	Port. MDIC 74 / 2015 (Decree 7.819 / 2012)	No
Environment	Requirement for energy label	INMETRO 285 / 2015	No
Environment	Requirements of the energy efficiency labelling program (light-duty vehicles)	INMETRO 549 / 2012 INMETRO 522 / 2013 INMETRO 015 / 2016	No
Environment	Requirement for Electromagnetic Compatibility (EMC)	Portaria 292 / 1985 min. Comunicações CISPR 12	No
Environment	Requirement for emission limits, reference fuel, testing procedure and general requirements – PROCONVE L6 (light-duty vehicles)	CONAMA 415 / 2009	No
Environment	Requirement for emission limits, reference fuel, testing procedure and general requirements – PROCONVE P7	CONAMA 403 / 2008	No
Environment	Requirement for emission limits, reference fuel, testing procedure and general requirements – PROCONVE P8	CONAMA 490 / 2018	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Adblue / Arla 32	INMETRO 139 / 2011	No
Mixed	Use of local language	8078 Consumer protection law	
Mixed	General requirements for product certification	INMETRO 16 / 2013 INMETRO 252 / 2015 INMETRO 512 / 2016 INMETRO 282 / 2020	No
Mixed	Certification of automotive components for low volume production	INMETRO 41 / 2018 INMETRO 194 / 2019 INMETRO 472 / 2014	Yes
Mixed	Requirement for masses and dimensions	CONTRAN 210 / 2006 (amended by CONTRAN 326 / 2009 and 284 / 2008) CONTRAN 290 / 2008	No
Mixed	Crash requirements for local production only Complete Knock-Down (CKD) is affected Local production is needed for crash and structural tests	DENATRAN Ordinance 66 / 2014 (amended by 033 / 17)	No
Mixed	Auditing of test laboratories for passive safety Passive tests must be performed with DENATRAN/INMETRO witness. However, tests performed in an accredited laboratory by the accrediting agency, which is signatory of ILAC, exempt this DENATRAN/INMETRO witness.	Port. DENATRAN 190 / 2009 (amended by 124 / 2014, 247 / 12, 631 / 11, 197 / 16, 009 / 18, 1556 / 18 and 346 / 20)	No
Mixed	Requirement for the provision of a suitable location for the installation of a fire extinguisher holder Deletion mandatory equipment with fire extinguisher	CONTRAN 556 / 2015	
Mixed	Requirement for radio-based systems	ANATEL 242 / 2000 (662 / 2016) ANATEL 323 / 2002 ANATEL 715 / 2019	
Mixed	Elimination of the obligation to equip with first aid kits	Decision 9792 (Art 112)	No
Mixed	Requirement for manufacturer's label / service label	Decree 4544-2002 CONAMA 18 / 1986	No
Aftersales	Marking of safety glass	INMETRO 041 / 2018 INMETRO 282 / 2020 (change process for certification)	Yes
	Safety glass Requirement for aftermarket	INMETRO 157 / 2009 (awaiting revocation) INMETRO 156 / 2009 (awaiting revocation) INMETRO 041 / 2018 INMETRO 282 / 2020 (change process for certification)	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Aftersales	Tyres Motor vehicles and their trailers	INMETRO 365 / 2015 INMETRO 251 / 2016 CONMETRO 7 / 2009 Res CONTRAN 558 / 80 Res CONTRAN 14 / 98 INMETRO Ordinance 544/12	Yes
Aftersales	LPG equipment	INMETRO 330 / 2012	
Aftersales	Replacement catalytic converters (light-duty vehicles)	CONAMA 282 / 2001 INMETRO 547 / 2014	Yes
Aftersales	CNG systems	INMETRO 319 / 2012 INMETRO 330 / 2012 INMETRO 257 / 2002 INMETRO 417 / 2007 INMETRO 233 / 2020	
Aftersales	CNG tank	INMETRO 298 / 2008 INMETRO 171 / 2002	Yes



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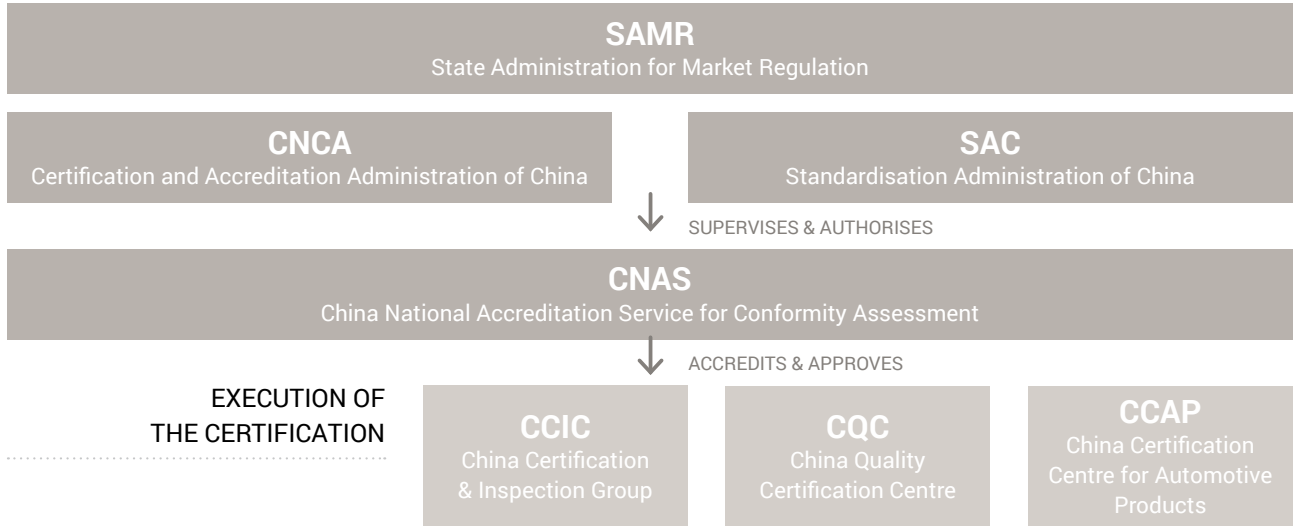


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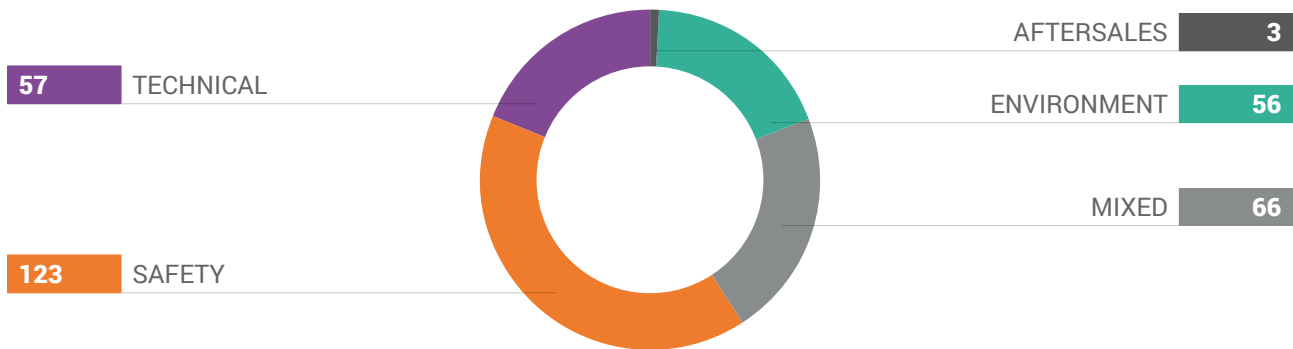
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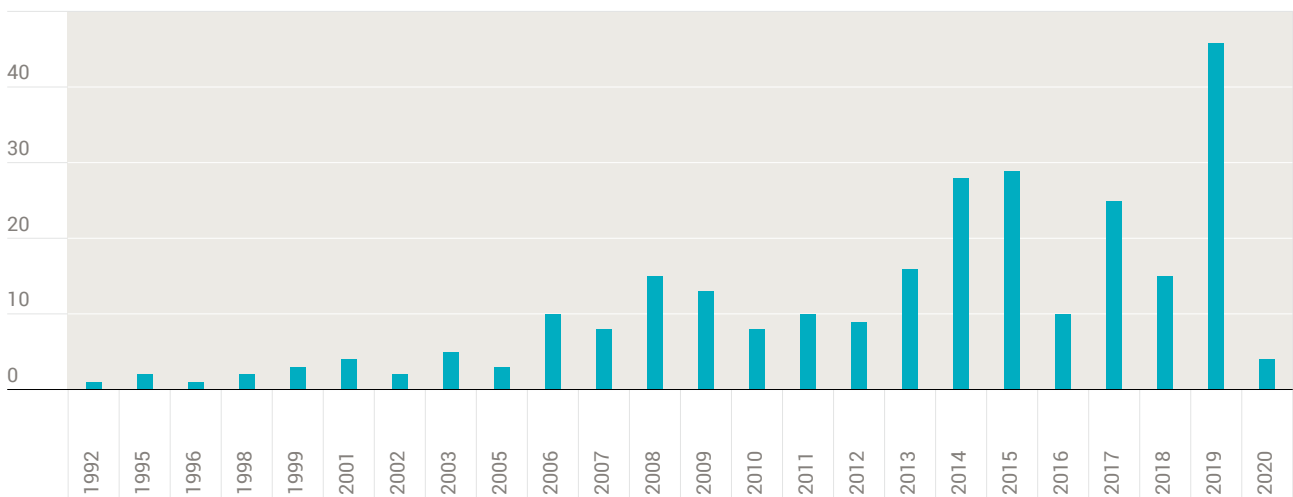
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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Intelligent transport systems (ITS) – Lane Departure Warning Systems (LDWS) – Performance requirements and test procedures	GB/T 26773-2011	No
Safety	Requirement and test methods for Blind Spot Monitoring System (BSD)	GB/T 37471-2019	No
Safety	Requirement for steering system	GB 17675-1999 GB 7258-2017 / XG1-2019	No
Safety	Requirement for barometric pressure brake hoses	GB 7128-2008	
Safety	Requirements for marking and characteristics of brake hoses, brake hose assemblies and fittings	GB 16897-2010	No
Safety	Requirement for passenger car braking systems	GB 21670-2008	No
Safety	Technical standard for tyre testing for passenger car	GB 9743-2015	No
Safety	Technical standard for tyre testing for trucks	GB 9744-2015	No
Safety	Requirement for tyre pressure control system	GB 26149-2017	No
Safety	Requirements for complex Electronic Stability Control systems (ESC)	GB 21670-2008 Annex D	No
Safety	Requirement for driving dynamics	GB/T 30677-2014	No
Safety	Requirement for Advanced Emergency Braking System (AEBS)	GB/T 38186-2019	No
Safety	Requirement for exterior projections	GB 11566-2009	No
Safety	Requirements for lateral and underrun protection for motor vehicles and trailers	GB 11567-2017	No
Safety	Requirement for wheel guards	GB 7063-2011	No
Safety	Requirement for front and rear protective devices (bumper) for passenger cars	GB 17354-1998	No
Safety	Requirement for pedestrian protection head and leg impact Flex-PLI test specification for active front flaps (based on GTR 9)	GB/T 24550-2009	No
Safety	Fuel tank	GB 7258-2017 / XG1-2019	No
Safety	Steel cylinders for the on-board storage of compressed natural gas as a fuel for automotive vehicles	GB 17258-2011	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Steel cylinders for the liquefied petroleum gas (LPG) for vehicles	GB 17259-2009	No
Safety	Natural gas vehicle (NGV) and liquefied petroleum gas vehicle – Identification marks	GB/T 17676-1999	No
Safety	Requirement for installation of special components of gas vehicles	GB 19239-2013	No
Safety	Requirement for hood latch system	GB 11568-2011	No
Safety	Requirement for symbols for controls, indicators and tell-tales	GB 4094-2016	No
Safety	Requirement for symbols for control elements of electric vehicles	GB/T 4094.2-2017	No
Safety	Requirement for symbols for controls units of electric vehicles	GB/T 4094.2-2017	No
Safety	Safety specifications for electric vehicles: Part 1: On-board rechargeable energy system Part 2: Vehicle operational safety means and protection against failures Part 3: Protection of persons against electric shock	GB/T 18384.1-2015 GB/T 18384.2-2015 GB/T 18384.3-2015 / XG1-2017	
Safety	Anti-theft protection parts marking	GB 7258-2017 / XG1-2019	No
Safety	Requirements for anti-theft device (corresponds approximately to UN R116, Part I, but brakes are not permitted as further alternatives)	GB 15740-2006	No
Safety	Requirement for anti-theft device	GB 20816-2006	No
Safety	Identification for passenger cars and their parts (marking)	GB 30509-2014	No
Safety	Safety devices against unauthorised use	GB/T 25985-2010	
Safety	Requirements for power-operated windows, partition walls and roof systems	GB 11552-2009	No
Safety	Requirement for pedals	GB 7258-2017 / XG1-2019 Chapter 10.1.2, 10.1.3	
Safety	Requirement for door locks and hinges of side doors	GB 15086-2013	
Safety	Requirement for interior fittings	GB 11552-2009	
Safety	Geometric requirements for seats (seat cushion depth / width)	GB 7258-2017 / XG1-2019 Chapter 4.4.2.2 / 4.4.2.3 / 11.6.2	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement to equip with reflective vest	GB 7258-2017 / XG1-2019 Chapter 12.15.2	
Safety	Requirement for reflective vest	GB/T 38046-2019	
Safety	Requirement for occupant protection in the event of a frontal impact	GB 11551-2014	
Safety	Requirements for occupant protection in the event of a side impact	GB 20071-2006	
Safety	Requirements for frontal impact	GB/T 20913-2007	
Safety	Requirement for door crush resistance	GB/T 15743-1995	
Safety	Requirement for fuel system in the event of a rear impact	GB 20072-2006	
Safety	Requirement for driver's protection from the steering system in the event of an impact	GB 11557-2011	
Safety	Requirement for roof crush resistance excluding convertibles	GB 26134-2010	
Safety	Front underrun protective requirements for commercial vehicle	GB 26511-2011	
Safety	The protection of the occupants of the cab of a commercial vehicle	GB 26512-2011	
Safety	Requirement for performance and test methods of windshield demisting and defrosting system	GB 11555-2009	
Safety	Requirement for field of vision	GB 11562-2014	
Safety	Requirement for the use of the model year code and Vehicle Identification Number (VIN)	GB 16735-2019	
Safety	Safety specifications for road transportation vehicle of explosive substance and chemical toxic substance	GB 20300-2018	
Safety	Provisions of vehicles for the carriage of dangerous goods with regard to their specific constructional features	GB 21668-2008	
Safety	Structure requirements of low floor public bus and low entry public bus	GB 19260-2016	
Safety	Safety signs and information symbols for the use of bus	GB 30678-2014	
Safety	Static roll stability test method for motor vehicles	GB/T 14172-2009	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for electric vehicle safety post-crash	GB/T 31498-2015	
Safety	Requirement for performance and test methods of windshield demisting and defrosting systems of electric vehicles	GB/T 24552-2009	
Safety	Vehicle travelling data recorder	GB/T 19056-2012	
Safety	The safety technique specifications of special school buses	GB 24407-2012	
Safety	Safety regulations for road vehicles	GB 7258-2017 / XG1-2019	
Safety	Anti-lock braking performance and test procedure for motor vehicles and their trailers	GB/T 13594-2003	
Safety	Provisions of strength for the superstructure of bus	GB 17578-2013	
Safety	The cab of commercial vehicles – External projections	GB 20182-2013	
Safety	The strength of student seat systems and their anchorages of special school bus	GB 24406-2012	
Safety	Requirements and test methods relating to the spray-suppression systems of motor vehicles and their trailers	GB 34659-2017	
Safety	Lithium-ion batteries for electric road vehicles	GB/Z 18333.1-2001 GB/T 18333.2-2015	
Safety	Zinc-air batteries for electric road vehicle	GB/T 18333.2-2015	
Safety	Electric vehicle conductive charging system – Part 1: General requirements	GB/T 18487.1-2015	
Safety	Electric vehicle conductive charging system – Part 2: Electromagnetic compatibility (EMC) requirements for off-board electric vehicle supply equipment	GB/T 18487.2-2017	
Safety	Electric vehicle conductive charging system Accelerating Current/Direct Current (AC/DC) Electric vehicle charging station	GB/T 18487.3-2001	
Safety	Connection set for conductive charging of electric vehicles Part 1: General Requirement Part 2: AC charging devices Part 3: DC charging devices	GB/T 20234.1-2015 GB/T 20234.2-2015 GB/T 20234.3-2015	
Safety	Requirement for Compressed Gaseous Hydrogen (CGH2) tank	GB/T 24549-2009	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Fuel cell electric vehicles – Refueling receptacle	GB/T 26779-2011	
Safety	Safety belt reminder for motor vehicles	GB/T 24551-2009	
Safety	Requirement for test methods for on-board hydrogen systems of fuel cell electric vehicles	GB/T 29126-2012	
Safety	Communication protocols between off-board conductive charger and battery management system for electric vehicle	GB/T 27930-2015	
Safety	Safety requirements and test procedures for lithium-ion traction battery pack and system for electric vehicles	GB/T 31467.3-2015, including XG1-2017 [Modification List]	
Safety	The safety requirements for bus construction	GB 13094-2017	No
Safety	Requirement for instrumentation of electric vehicles	GB/T 19836-2019	No
Safety	Electric vehicles traction battery safety requirements	GB 38031-2020 Date of entry into force: 01.01.2021	
Safety	The vehicle mark for road transportation dangerous goods	GB 13392-2005	No
Safety	Speedometer – Requirement for accuracy	GB 15082-2008	
Safety	The license plates (crackets) and its position on motor	GB 15741-1995, GA 36-2018	
Safety	Lifetime tests for traction batteries	GB/T 31484-2015	
Safety	Safety requirements for traction batteries	GB/T 31467.3-2015 GB/T 31485-2015 (both to be superseded on 01.01.2021 by GB 38031-2020)	
Safety	Requirements for performance of traction batteries	GB/T 31486-2015	
Safety	Identification code for traction batteries (Recycling Admin Rule)	GB/T 34014-2017	
Safety	Requirement for interoperability testing for conductive charging of electric vehicles Part 2: Vehicles	GB/T 34657.2-2017	
Safety	Requirement for conformity testing of DC charging communication protocol	GB/T 34658-2017	
Safety	Requirement for Acoustic Vehicle Alerting System (AVAS)	GB/T 37153-2018	
Safety	Ultra-capacitor for electric vehicles (including Amendment List 2017XG1)	QC/T 741-2014	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Lead-acid batteries for electric vehicles	QC/T 742-2006	
Safety	Ultra-capacitor for electric urban bus	QC/T 838-2010	
Safety	Flammability of interior materials for buses	GB 38262-2019	
Safety	Specifications for extinguishing equipment arrangement in bus	GB 34655-2017	
Safety	Emergency shut-off valve of road tanker for dangerous liquid goods transportation (including 2019XG)	QC/T 932-2018	
Safety	The marker for school bus	GB 24315-2009	
Safety	Fixed fire extinguishing systems for compartment of bus	GA 1264-2015 (mandated in GB 7258)	
Safety	Safety rules for aerial work machinery (cranes)	JG 5099-1998	
Safety	Technical specifications for safety of power-driven vehicles operating on roads	GB 7258-2017, including 2019XG1]	
Safety	Methods and requirements of airbag system abuse test for automobile	GB/T 37474-2019	
Safety	Assembly of motor vehicle electric sunroof	GB/T 30037-2013	
Safety	Roof load carriers for road vehicles	QC/T 948-2013	
Safety	Nickel-metal hydrid batteries for electric vehicles	QC/T 744-2006	
Safety	Frontal airbag – Technical requirements of protection for out of position occupant	GB/T 37437-2019	
Safety	Electronic locks system for motor vehicles	QC/T 627-2013	
Safety	Protection of the occupants in the event of a lateral pole collision	GB/T 37337-2019	
Safety	Performance requirements of side airbag and curtain airbag module	GB/T 38795-2020	
Safety	Specification of special police vehicle unified appearance coating	GA 923-2011	
Safety	Fire fighting vehicles Part 1: General Technical Specifications	GB 7956.1	
Safety	Cranes – Safety signs and hazard pictorials – General principles	JG 15052-2010	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Motorcycle: graphics; signs for controls, indicators and signaling devices	GB 15365-2008	
Safety	Safety requirements for sleeper bus construction	GB/T 16887-2008	
Safety	Rear view mirror performance and its installation requirements for motorcycles and mopeds	GB 17352-2010	
Safety	Provisions for installation of lighting and light signalling devices for motorcycles (parts 1 to 3)	GB 18100-2010	
Safety	Safety requirements for tractors	GB 18447.1-2001	
Safety	Road tanker for dangerous liquid goods transportation (parts 1 and 2)	GB 18564.1-2019	
Safety	Motor vehicle headlamps emitting a symmetrical passing beam or driving beam or both	GB 19152-2016	
Safety	External projections from motorcycles and mopeds	GB 20074-2017	
Safety	Passenger hand holds on motorcycles with two wheels	GB 20075-2006	
Safety	Technical specification for car carriers	GB/T 26774-2011	
Safety	Fuel cell electric vehicles – On-board hydrogen system – Specifications	GB /T 26990-2011	
Safety	All terrain crane	GB 27996-2011	
Safety	Static roll stability	GB 28373-2012	
Safety	Road vehicles – Drawbar couplings, drawbar eyes, 5th wheel kingpins, hook couplings and toroidal eyes – Wear limits for in use mechanical couplings	GB/T 31883-2015	
Safety	Performance requirements and measurement methods for anti-splash systems for automobiles and trailers	GB 34659-2017	
Safety	Safety technical conditions for oil transportation vehicles and refuelling vehicles	GB 36220-2018	
Safety	Electric buses – Safety requirements	GB 38032-2020	



Item	Subject	Regulatory Act	Applicability to spare parts
CHINA COMPULSORY CERTIFICATE (CCC) REGULATIONS Announcement on reform and adjustment of the CCC catalogue and implementation method: CNCA 2018 Announcement No 11, CNCA 2018 Announcement No 29			
Safety	Requirements for the CCC certification of tyres and tyre products (Implementation rules)	GB/T2978-2014 GB 9743-2015 CNCA-C12-01:2015	Yes
Safety	Requirement for locks and hinges for side doors	GB 15086 -2013 CNCA-C11-10:2014 (abolished) (excluded from CCC certification per CNCA Announcement No 44)	Yes
Safety	Requirement for locks and hinges for rear doors / flaps	GB 15086 CNCA-C11-10:2014 (abolished) (excluded from CCC certification per CNCA Announcement No 44)	Yes
Safety	Requirement for CCC certification of seats and head restraints	GB 15083-2019 GB 11550-2009 GB 13057-2014 GB 8410-2006 CNCA-C11-12:2014 (Self-Declaration per CNCA Announcement No 44)	Yes
Safety	Requirement for CCC certification of safety belts	GB 14166-2013 CNCA-C11-04:2014 (Self-Declaration per CNCA Announcement No 44)	Yes
Safety	Requirement for safety belts – airbag warning label, belt warning system incl Explanation Handbook (GB 7258-2017 is superior vehicle safety standard)	GB 7258-2017 / XG1-2019 GB 14166-2013 GB 8410-2006	Yes
Safety	Requirement for CCC certification flammability of automotive interior materials	GB 8410-2006 CNCA-C11-09:2014 (abolished) (excluded from CCC certification per CNCA Announcement No 44)	Yes
Safety	Requirements for CCC certification of brake linings	GB 5763-2018 CNCA-C11-20:2020	Yes
Safety	Requirements for the certification of anti-theft alarm systems	GB 20816-2006 CNCA-C19-01:2014 (excluded from CCC certification per CNCA Announcement No 11)	Yes
Safety	Requirement for brake hoses	GB 16897-2010 CNCA-C11-06:2014 (excluded from CCC certification per CNCA Announcement No 11)	Yes
Safety	Requirement for safety and test methods for fuel tanks and their installation	GB 18296-2019 CNCA-C11-11:2014 (excluded from CCC certification per CNCA Announcement No 11)	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
CHINA COMPULSORY CERTIFICATE (CCC) REGULATIONS Announcement on reform and adjustment of the CCC catalogue and implementation method: CNCA 2018 Announcement No 11, CNCA 2018 Announcement No 29			
Safety	Requirement for horn components	GB 15742-2019 CNCA-C11-05:2014 (excluded from CCC certification per CNCA Announcement No 11)	Yes
Safety	Mandatory installation of an event data recorder	GB 7258-2017 / XG1-2019	Yes
Safety	Restraining devices for child occupants	GB 27887-2011 / XG1-2019 CNCA-C22-03:2014	Yes
Safety	Requirement for child seat anchorages and ISOFIX child restraint systems	GB 14166-2013 GB 14167-2013	Yes
Safety	Requirement for CCC certification rear-view mirrors	GB 15084-2013 CNCA-C11-08:2014 (Self-Declaration per CNCA Announcement No 44)	Yes
Safety	Requirement for the performance and installation of devices for indirect vision	GB 15084-2013	Yes
Safety	Requirements for CCC certification and type approval of safety glass	GB 9656-2003 CNCA-04C-028:2006 CNCA-C13-01:2014 (Self-Declaration per CNCA Announcement No 44)	Yes
Safety	Helmets for motorcyclists	GB 811-2010	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirements for rescue card for electrified vehicles	GB/T 38117-2019	No
Technical	Requirements for fanfare	GB 7258-2017 / XG1-2019 Chapter 8.6.1	
Technical	Requirement for warning triangle for motor vehicle	GB 19151-2003 GB 7258	
Technical	Terminology of electric vehicles	GB/T 19596-2017	No
Technical	Headlamp cleaner	GB 21260-2007	
Technical	Urban requirement for real-time monitoring of electric vehicles	SH No 73 DB31 / T 634-2012	
Technical	National real-time data monitoring of locally produced electric vehicles – backend connection to national server (BIT)	GB/T 32960.1-2016 GB/T 32960.2-2016 GB/T 32960.3-2016	
Technical	Requirement for engine marking	GB 7258-2017 / XG1-2019	
Technical	Requirements for Certificate of Compliance (COC) data Implementation rule on compulsory certification of motor vehicles	CQC-C1101-2018	
Technical	Exemption from Chinese VAT	No 53 Bulletin of NEV	
Technical	National subsidy requirements	MOF - CAI JIAN [2015] No 134	
Technical	Angle of inclination of the rear registration plate	GB 15941-1995	
Technical	Requirement for towing devices	GB 32087-2015	
Technical	Specification for septic tank cleaning service	GB 36220-2018	
Technical	Hoop-wrapped composite cylinders with steel liner for the on-board storage of compressed natural gas as a fuel for automotive vehicles	GB/T 24160-2009	
Technical	Requirement for speed limiter	GB 24545-2019 GB 7258	
Technical	Fully-wrapped carbon fiber reinforced cylinders with an aluminum liner for the on-board storage of compressed hydrogen as a fuel for land vehicles	GB/T 35544-2017	
Technical	Installation and operation technical requirements of tail lifts for vehicle	GB/T 37706-2019	
Technical	Requirement for Electronic Toll Collection device (ETC)	GB/T 38444-2019 (to be valid as of 01.07.2020)	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for masses regarding the distribution on the axles	GB 1589-2016 MIIT No 50 Bulletin	
Technical	Automobile air-to-air charge air cooler technical specification	QC/T 828-2010	
Technical	Lamps for road vehicles – Dimensional, electrical and luminous requirements	GB 15766.1-2008	
Technical	Filament lamps, performance requirements	GB 15766.2-2016	
Technical	Filament lamps – lamps for supplementary purposes	GB 15766.3-2007	
Technical	Technology standards for auto dimming rear-view mirror	QC/T 947 -2013	
Technical	Lighting and signaling devices – Environmental endurance	GB/T 10485-2007	


 Applicability
to spare parts

Item	Subject	Regulatory Act	Applicability to spare parts
CCC REGULATIONS			
Announcement on reform and adjustment of the CCC catalogue and implementation method: CNCA 2018 Announcement No 11, CNCA 2018 Announcement No 29 Implementing Regulation CNCA-C11-01:2014 CNCA-C11-01:2020 and Standards Mandated for CCC by GB 7258			
Technical	Requirement for windscreen	GB 7258-2017 / XG1-2019 (Chapter 11.9)	Yes
Technical	Deletion CCC certificate rear retro reflector	GB 11564 CNCA-C11-07:2014 (excluded from CCC certification per CNCA Announcement No 29)	Yes
Technical	Requirements for CCC certification of exterior lighting and light-signaling device	CNCA-02C-058:2005 (Self-Declaration per CNCA Announcement No 44)	Yes
	Requirement for lighting equipment	GB 7258-2017 / XG1-2019 (Chapter 8.3)	Yes
	Requirements for photometric characteristics of halogen headlamps (driving beam, passing beam)	GB 4599-2007 CNCA-C11-20:2020 & GB 7258 (Self-Declaration) CNCA-C11-07:2014 CQC-C1107-2014	Yes
	Requirements for the photometric performance of front fog lamps	GB 4660-2016 CNCA-C11-20:2020 (Self-Declaration) CNCA-C11-07:2014 CQC-C1107-2014 (class B approvals not permitted as of 01.01.2022)	Yes
	Requirements for high beam headlamps – Amendment 2	GB 4785-2019	Yes
	Requirements for the installation of lighting and light-signalling devices	GB 4785-2019 CNCA-C11-20:2020 and GB 7258 (Compliance with 2009 and 2019 allowed for CCC)	Yes
	Requirements for photometric characteristics of front and rear position lamps, end-outline marker lamps and stop lamps for motor vehicles and their trailers	GB 5920-2019 CNCA-C11-20:2020 and GB 7258 (Self-Declaration) CNCA-C11-07:2014 CQC-C1107-2014	Yes
	Requirements for photometric characteristics of rear fog lamp for power-driven vehicles and their trailers	GB 11554-2008 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
<p>CCC REGULATIONS</p> <p>Announcement on reform and adjustment of the CCC catalogue and implementation method: CNCA 2018 Announcement No 11, CNCA 2018 Announcement No 29 Implementing Regulation CNCA-C11-01:2014 CNCA-C11-01:2020 and Standards Mandated for CCC by GB 7258</p>			
Technical	Requirement for photometric characteristics of turning lights	GB/T 30511-2014 CNCA-C11-01:2020 and GB 7258 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Requirements for photometric characteristics of daytime running lights for power driven vehicles	GB 23255-2019 CNCA-C11-20:2020 Self DoC (Compliance with 2009 and 2019 allowed for CCC)	Yes
Technical	Requirement for wiper motor	QC/T 29090-1992 QC/T 44-2009 CQC 16-461111-20101-2010 (excluded from CCC certification per CNCA Announcement No 11)	Yes
Technical	Requirement for windshield wipers and washer systems	GB 15085-2013 CNCA-V01-033:2003 (excluded from CCC-Certification per CNCA Announcement Nr. 11)	Yes
Technical	Requirement for windshield washer	GB 15085-2013 CNCA-V01-034:2003 (excluded from CCC certification per CNCA Announcement No 11)	Yes
Technical	Requirements for photometric characteristics of retro-reflector device for motor vehicles	GB 11564-2008 CNCA-C11-01:2020 (Retro reflectors combined with other lamps must use Self DoC for Compliance) CNCA-C11-07:2014 CQC-C1107-2014 CQC16-491286-2018 CCAP-GZ-4135-2018	Yes
Technical	Retro-reflective markings for trucks and trailers	GB 23254-2009 CNCA-C11-01:2020	Yes
Technical	Requirements for photometric characteristics of reversing lamps for power-driven vehicles	GB 15235-2007 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Requirements for photometric performance of direction indicator lamps for motor vehicles and their trailers	GB 17509-2008 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
CCC REGULATIONS Announcement on reform and adjustment of the CCC catalogue and implementation method: CNCA 2018 Announcement No 11, CNCA 2018 Announcement No 29 Implementing Regulation CNCA-C11-01:2014 CNCA-C11-01:2020 and Standards Mandated for CCC by GB 7258			
Technical	Requirements for photometric characteristics of illumination of rear registration plates of motor vehicles and their trailers	GB 18408-2015 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Requirements for the photometric characteristics of parking lamps for power-driven vehicles	GB 18409-2013 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Requirements for photometric characteristics of side marker lamps for motor vehicles and their trailers	GB 18099-2013 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Requirements for photometric performance of headlamps equipped with gas-discharge light sources (driving beam / dipped beam)	GB 21259-2007 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Rear-marking plates for vehicles and their trailers	GB 25990-2010 CNCA-C11-01:2020	Yes
Technical	Requirements for headlamps with LED light sources / modules (main beam / dipped beam)	GB 25991-2010 CNCA-C11-01:2020 and GB 7258 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Requirement for adaptive front-lighting system	GB/T 30036-2013 CNCA-C11-01:2020 Component – Self DoC required CNCA-C11-07:2014 CQC-C1107-2014	Yes
Technical	Photometric characteristics of incandescent filament headlamps for motorcycles	GB 5948 CNCA-C11-20:2020 and GB 7258	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Limits of fuel consumption for light-duty commercial vehicles	GB 20997-2015	
Environment	Fuel consumption limits for heavy-duty commercial vehicles	GB 30510-2018	
Environment	Limits and measurement methods for emissions from light-duty vehicles (CHINA 6)	GB 18352.6-2016	
Environment	Limits and measurement methods for emissions from diesel-fuelled heavy-duty vehicles (China VI)	GB 17691-2018	
Environment	Technical requirements and methods for emission determination of Plug-in Hybrid Electric Vehicles (PHEV)	GB 19755-2016	
Environment	Requirement for New Engine Vehicle (NEV)	GB 27999-2019	
Environment	Mandatory requirement for Vehicle Identification Number (VIN) specific sheet (emission-relevant components)	MIIT Announcement No 3	
Environment	Requirement for diesel exhaust emissions (smoke) (Removed from CCC rules in CNCA-C11-01-2020)	GB 3847-2018	
Environment	Requirement for interior air quality	GB 27630-2011	
Environment	Requirement for the position of the exhaust pipe	GB 7258-2017 / XG1-2019 (Chapter 12.15.7)	
Environment	Requirement for test methods of energy consumption	GB/T 18386-2017	
Environment	Requirement for electric motor and electronics (test requirements + label)	GB/T 18488.1-2015 GB/T 18488.2-2015	
Environment	Review of activated carbon filter	HJ / T 390-2007	
Environment	External noise requirements level 3 and level 4 – Accelerated pass-by and stationary noise	GB 1495-2002	
Environment	Requirements for exterior noise (stationary noise)	GB 16170-1996	
Environment	Requirement for measurement of stationary noise	GB/T 14365-2017	
Environment	Requirement for interior noise	GB/T 18697-2002 GB 7258	
Environment	Requirement for acoustic warning devices of motor vehicles	GB 7258-2017 / XG1-2019	
Environment	Requirement for obligation to equip with audible warning device	GB/T 28382-2012	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Requirement for NEV	Development plan NEV (2012-2020)	
Environment	Energy consumption label: Part 1: gasoline and diesel vehicles Part 2: plug-in hybrid and electric vehicles	GB 22757.1-2017 GB 22757.2-2017	
Environment	Requirement for fuel consumption / CO2	GB 27999-2019 (Compliance with 2014 or 2019 rules allowed for CCC) GB 19578-2014	
Environment	Test method for light-duty vehicle fuel consumption	GB/T 19233-2008 (to be superseded on 01.01.2021 by GB/T 19233-2020)	
Environment	Test methods for energy consumption of light-duty hybrid electric vehicles	GB/T 19753-2013	
Environment	Test methods for energy consumption of heavy-duty hybrid electric vehicles	GB/T 19754-2015	
Environment	Fuel consumption test methods for heavy-duty commercial vehicles	GB/T 27840-2011	
Environment	Requirement for fuel consumption limits	GB/T 36980-2018	
Environment	Requirement for test procedures for energy consumption and range	GB/T 18386-2017	
Environment	Measurement methods of net power for automotive engines	GB/T 17692-1999	
Environment	Requirements for the protection of on-board receivers – EMC	GB/T 18655-2018	No
Environment	Requirements for information on air conditioning systems in approval documents	CNCA-02C-023:2008	
Environment	Requirements for limits and measurement methods for emissions of gasoline vehicles	GB 18285-2018 (removed from CCC rules in CNCA-C11-01:2020)	
Environment	Requirements for the use of prohibited hazardous substances on automobiles	GB/T 30512-2014 CNCA-C11-001:2014	
Environment	Road vehicles. Recyclability and recoverability. Calculation method	GB/T 19515-2015	
Environment	Requirements for the minimum sound pressure level and test methods of horn for motor vehicles	GB 15742-2019 CNCA-C11-01:2020 (Horns are exempt from component CCC but suppliers should apply for voluntary certification from CCAP or CQC). CNCA-C11-05:2014 CCAP-SB-3721-2018 CQC16-491283-2018	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Requirements and test methods for electromagnetic compatibility (EMC)	GB 34660-2017	
Environment	Requirements for radio interference / electromagnetic compatibility	GB/T 17619-1998	
Environment	Requirements for performance and measurement methods for broadband emissions from electric vehicles (9kHz to 30MHz)	GB/T 18387-2017	
Environment	Requirements for performance and measurement methods for broadband emissions from electric vehicles (150kHz to 30MHz)	GB/T 18387-2017	
Environment	Requirements for the protection of on-board receivers – EMC	GB/T 18655-2018	
Environment	EMC requirements of drive motor system for electric vehicles	GB/T 36282-2018	
Environment	Limits and measurement methods for crankcase pollutants from heavy-duty vehicles equipped with P.I. engines	GB 11340-2005	
Environment	Vehicles, boats and internal combustion engine – Radio disturbance characteristics	GB 14023-2011	
Environment	Limits and measurement methods for exhaust pollutants from gasoline engines of heavy-duty vehicles	GB 14762-2008	
Environment	Measurement of fuel evaporative pollutants from vehicle with petrol engine	GB 14763-2005	
Environment	Test procedures and requirement of durability of emission control systems for heavy-duty vehicles	GB 20890-2007	
Environment	The coding rule of the unified social credit identifier for legal entities and other organisations	GB 27999-2019	
Environment	Technical specification for On-Board Diagnostic (OBD) system of compression ignition and gas fuelled positive ignition engines of vehicles	HJ 437-2008	
Environment	Durability of emission control systems of compression ignition and gas fuelled positive ignition engines of vehicles	HJ 438-2008	
Environment	Technical requirements and testing methods for commercial vehicle and trailer braking systems	GB 12676-2014	
Environment	Ethanol 10% fuel	GB 18351-2015	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Passenger vehicle air conditioning	QC-T 945-2013	
Environment	Road vehicles – Environmental conditions and testing for electrical and electronic equipment, parts 1-5	GB/T 28046-2013	
Mixed	Classification of power-driven vehicles and trailers	GB/T 15089-2001	
Mixed	Specification of PHEV passenger car	GB/T 32694-2016	
Mixed	Motor vehicles and trailers – types, terms and definitions	GB/T 3730.1-2001	
Mixed	Motor vehicles and trailers – Terms and conditions	GB/T 3720.1-2001	
Mixed	Road vehicles – Masses – Vocabulary and codes	GB/T 3730.2-1996	
Mixed	Requirements for the type approval of locally produced vehicles	MIIT / EIDC / CVTSC	
Mixed	Classification and code of passenger cars (CN CBU)	QC/T 775-2007	
Mixed	Requirement for vehicle-trailer combination	GB 7258-2017 / XG1-2019	
Mixed	Display error of the speedometer	GB 7258-2017 / XG1-2019	
Mixed	Requirement for information signs and Vehicle Identification Number (VIN)	GB 7258-2017 / XG1-2019 Chapter 4.1.3	
Mixed	Requirement for World Manufacturer Identifier (WMI) Code	GB 16737-2019	
Mixed	Requirement for the assembly of registration plates	GB 7258-2017 / XG1-2019	
Mixed	Requirement for High Voltage (HV) systems	GB 7258-2017 / XG1-2019 Chapter 12.13.3, 12.13.6, 12.13.7	
Mixed	Requirement for lead-acid battery for electric vehicles	GB/T 32620.1-2016	
Mixed	Requirement for battery-operated vehicles	GB/T 28382-2012	
Mixed	Tolerance limits for high-voltage memory and delimiting characteristics	GB/T 31467.1-2015 GB/T 31467.2-2015 GB/T 31467.3-2015 / XG1-2017	
Mixed	Cell and module tests high-voltage memory	GB/T 31486-2015	



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Requirement for Battery Management System (BMS) for electric vehicles	QC/T 897-2011 GB/T 38661-2020 (valid from 01.10.2020)	
Mixed	Traceability and recycling high-voltage storage modules / cells	Administrative regulation	
Mixed	Administrative regulation – Traceability and recycling of traction battery for New Energy Vehicles (NEVs)	GB/T 38698.1-2020	
Mixed	Specifications for shift logic and error display in automatic transmissions	GB 7258-2017 / XG1-2019 (Chapter 10.2)	
Mixed	Requirement for the tank opening of fuel cell electric vehicles	GB/T 34425-2017	
Mixed	Requirement for type plate	GB/T 18411-2018 GB 7258-2017 / XG1-2019 (Chapter 4.1.2)	
Mixed	Requirements for information signs (forgery protection, authenticity, watermarking, self-destruction)	GB/T 25978-2018	
Mixed	Technical requirements for battery vehicles	GB/T 28382-2012	
Mixed	Requirement for distribution of masses for Battery Electric Vehicles (BEVs)	GB/T 28382-2012	
Mixed	Requirement for first aid kit	State Council Decree No 276	
Mixed	Passenger Cars – Mass distribution	GB/T 5910-1998	
Mixed	Road vehicles plate and label	GB/T 25978-2018	
Mixed	Measurement of maximum speed of motor vehicle	GB/T 12544-2012	
Mixed	Coupling balls for caravans and light trailers	GB/T 25980-2010	
Mixed	Road vehicles – Electrical and electronic equipment for supply of voltage of 42V – Electrical loads	GB/T 28045-2011	
Mixed	Dimension of traction battery for electric vehicles	GB/T 34013-2017	
Mixed	Strength requirement and test of automobile safety	QC/T 946-2013	
Mixed	The DC/DC converter for electric vehicles	GB/T 24347-2009	



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Types of hybrid vehicles	QC/T 837-2010	
Mixed	Electric vehicle conductive charge coupler	QC/T 841-2010	
Mixed	On-board conductive charger for electric vehicles	QC/T 895-2011	
Mixed	Marks for recoverability of automobile parts	GB/T 26988-2011	
Mixed	Standard voltages	GB/T 156-2017	
Mixed	Items and methods for safety technology inspection of motor	GB 39000-2020 Superseding GB 21861-2014	
Mixed	Requirement for picture catalog	CNCA 2008	
Mixed	Test method for vehicle running deviation	GB 38679-2020	
Aftersales	CNCA interpretation of parts marking of motor vehicles	CNCA 02C-023:2008	Yes
Aftersales	CNCA supplement for small volume imports	CNCA 2008 Announcement No 38	Yes
Aftersales	3Rs – Repair, Replacement and Return	General Administration Order No 150 New draft being developed	



Item	Subject	Regulatory Act	Applicability to spare parts
CCC REGULATIONS Announcement on reform and adjustment of the CCC catalogue and implementation method: CNCA 2018 Announcement No 11, CNCA 2018 Announcement No 29 Implementing Regulation CNCA-C11-01:2014 CNCA-C11-01:2020 & Standards Mandated for CCC by GB 7258			
Mixed	CCC certification for fire extinguisher	CNCA-C18-03:2014	Yes
Mixed	Requirement for replacement of CCC certificates by self-declarations	CNCA 2019 Announcement No 44	Yes
Mixed	Requirement for parts marking of type approval relevant parts	GB/T 3730.1-2001 GB/T 17350-2009 GB 7258-2017 / XG1-2019 GB/T 15089-2001 CNCA-C11-01:2014	Yes
Mixed	Plastics – determination of burning behaviour of horizontal and vertical specimens	GB/T 2408 2008 CNCA-C11-01:2020 GB 7258	
Mixed	Fuel cell electric vehicles – Safety requirements	GB/T 24549 2009 CNCA-C11-01:2020	
Mixed	Color standard for paint film	GB/T 3181 2008 CNCA-C11-01:2014 GB 7258	
Aftersales	Adaption of regulations for CCC approval – Selection of test institutes and test labs for CCC certification	CNCA 2017 Announcement No 13	Yes



India

AUTOMOTIVE REGULATORY GUIDE

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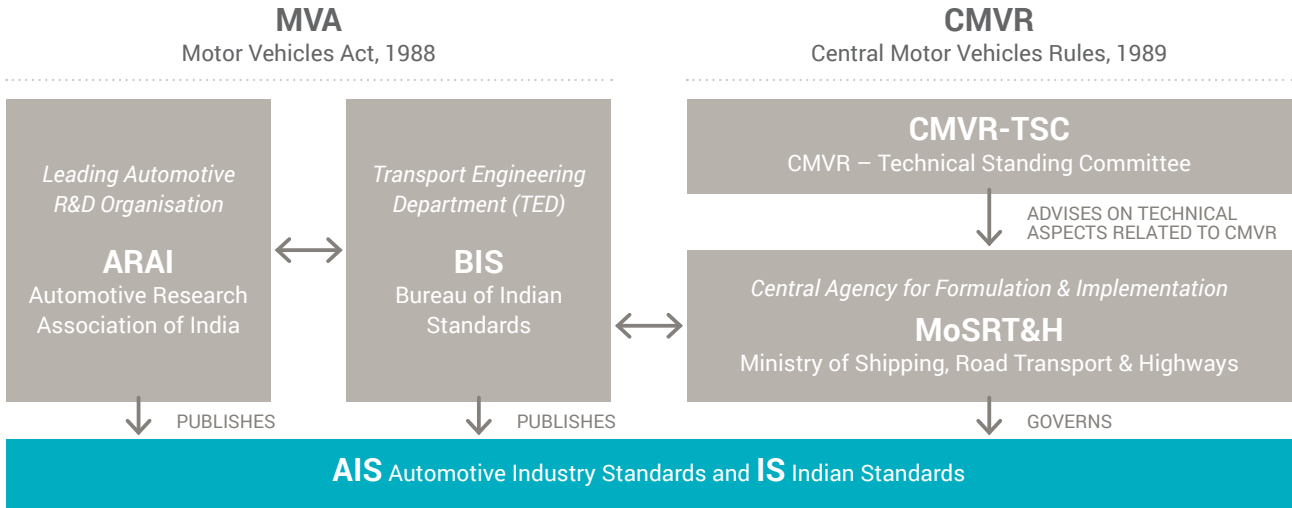
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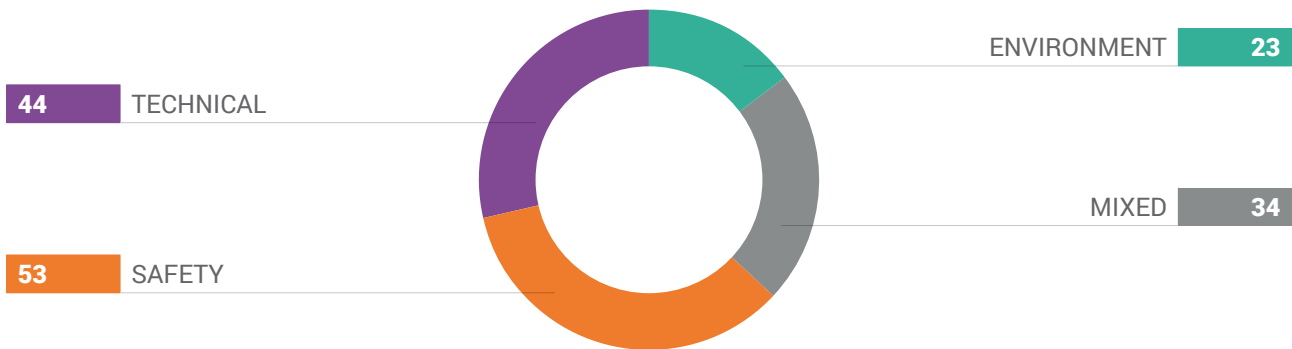
MINISTRY AND REGULATORY AUTHORITIES

EMISSION NORMS AND SAFETY STANDARDS RELATING TO MOTOR VEHICLES

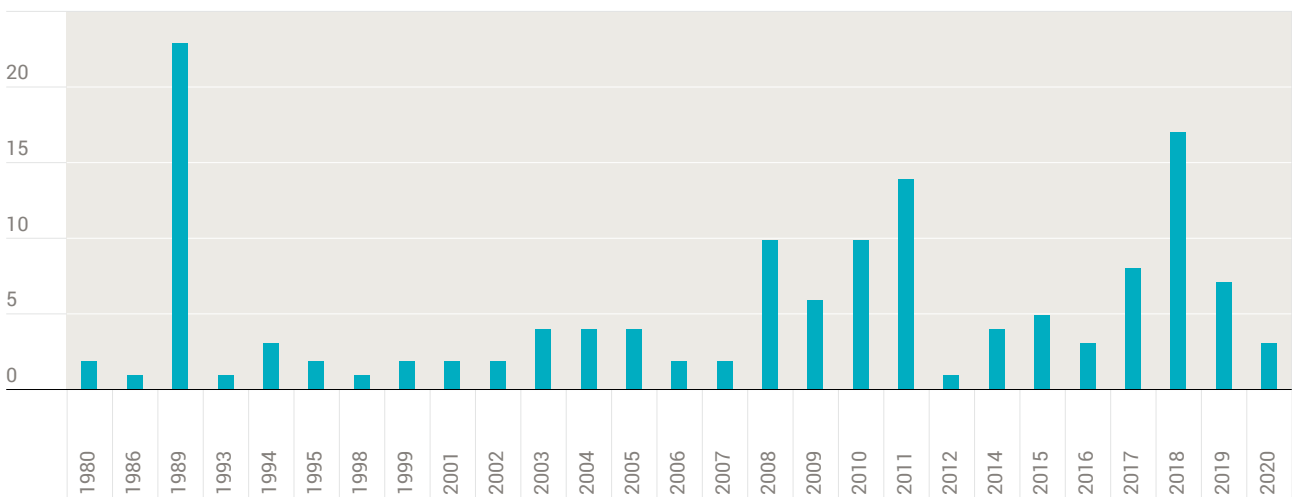


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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for steering effort	IS-11948:2010 CMVR 1989, Chapter V, Rule 98 IS-12222:2011 CMVR 1989, Chapter V, Rule 98 GSR 1463 (E), Dt: 27.11.2017	No
Safety	Requirement for brake hoses	IS-7079:2008 (Rev.03) Amd No 01	No
Safety	Requirement for brake fluid	IS-8654:1986	No
Safety	Requirement for emergency wheel / Run-flat / Tyre Pressure Monitoring System (TPMS) / Run-flat warning	AIS-110:2009 Amd No 1, 2, 3 GSR 625 (E), Dt: 08.08.2012	No
Safety	Requirement for tyres (PC, M1, M1G)	IS-15633:2005 Amd No 1, Import licensing requirement as per DGFT Notification No 12 / 2015-2020	Yes
Safety	Requirement for condition of tyres	CMVR 1989 Chapter V, Rule 94 (1), (2), (3)	No
Safety	Performance requirements for wheel rims (including BIS Certification and ISI Marking)	IS-9436:1980 (for passenger cars) IS-9438:1980 (for trucks and buses) Automobile wheel rim component (Quality control) Order, 2020	Yes
Safety	Requirement for exterior projections	AIS-120:2014 Amd No 1	No
Safety	Requirement for wheel guards	IS-13941:1994 IS-13943:1994	No
Safety	Requirement for wheel nut and wheel guards	IS-13941:1994	No
Safety	Requirement for bumper	IS-15901:2010	No
Safety	Tests for head impact, lower leg to bumper and upper leg to bumper maximum weight allowed < 2.5t based on GTR 9	AIS-100:2010 Amd No 1 and 2	No
Safety	Requirement for fuel tank (plastic)	IS-15547:2005	No
	Requirement for fuel tank (metal)	AIS-095:2007 Amd No 1 S.O. 6108, Dt: 10.12.2018	No
Safety	Test methods for front flap closure system	IS-14226:1995	No
Safety	Requirement for controls, indicator lights and displays	AIS-071 (Part 1) (Rev.1) AIS-071 (Part 2):2009, Amd No 1 and 2	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Protection against unauthorised use	AIS-075:2006 Amd No 1 and 2	No
Safety	Requirement for anti-theft alarm system	AIS-076:2007 Amd No 1 and 2	
Safety	Requirement for arrangement of foot controls	AIS-035:2006 Amd No 1 and 2	No
Safety	Locking systems and door restraints	IS-14225:1995	No
Safety	Deactivation of child lock for commercially used vehicles	AIS-145:2018 Amd No 1 and 2 GSR 1483 (E), Dt: 07.12.2017	No
Safety	Requirement for manual override for central locking system	AIS-145:2018 Amd No 1 and 2 GSR 1483 (E), Dt: 07.12.2017	No
Safety	Requirement for interior fittings	IS-15223:2002	No
Safety	Requirement for seats and seat anchorages	IS-15546:2005	No
Safety	Requirement for seat belt anchorages	IS-15139:2002	No
Safety	Requirement for restraint systems	IS-15140:2003 Amd No 1	No
Safety	Requirements for safety belts	IS-15140:2003 Amd No 1	No
Safety	Requirement for driver's and front-seat passenger's seat belt alert	AIS-145:2018 Amd No 1, 2, 3	No
Safety	Requirement for child restraint systems	AIS-072:2009 GSR 1483 (E), Dt: 07.12.2017	No
Safety	Occupants protection in the event of an offset frontal impact	AIS-098:2008 Amd No 1 and 2	No
Safety	Requirement for side impact	AIS-099:2008 Amd No 1, 2 and 3	No
Safety	Requirement for equipment with driver airbag	AIS-145:2018 Amd No 1 and 2 GSR 1483 (E), Dt: 07.12.2017	No
Safety	Behaviour of steering mechanism in the event of a frontal impact	AIS-096:2008 Amd No 1, 2, 3, 4	No
Safety	Performance requirements for dehumidifiers for glazed surfaces	AIS-084 (Part 1):2008 Amd No 1 and 2	No
Safety	Performance requirements for defrosters for glazed surfaces	AIS-084 (Part 2):2008 Amd No 1 and 2	No



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for installation of lighting devices	AIS-008 (Rev 1):2010 Amd No 1, 2, 3, 4	No
Technical	Requirement for lighting (undipped / dimmed headlights)	AIS-010 (Part 1) (Rev 1): 2010 AIS-010 (Part 4) (Rev 1): 2010 AIS-010 (Part 5) (Rev 1): 2010	No
Technical	Requirement for fog lights	AIS-012 (Part1) (Rev 1): 2011 Amd No 1	No
Technical	Requirement for rear fog lights	AIS-012 (Part 2) (Rev 1): 2011	No
Technical	Requirement for turning lights	AIS-012 (Part 3) (Rev 1): 2011	No
Technical	Requirement for registration plate lighting	AIS-012 (Part 4) (Rev 1): 2011 Amd No 1 and 2	No
Technical	Requirement for direction indicator lights (front, side, back)	AIS-012 (Part 5) (Rev 1): 2011	No
Technical	Requirement for limiting lights, stop lights and outline marker lights	AIS-012 (Part 6) (Rev 1): 2011 Amd No 1	No
Technical	Requirement for reversing lights	AIS-012 (Part 7) (Rev 1): 2011 Amd No 1	No
Technical	Requirement for parking light	AIS-012 (Part 8) (Rev 1): 2011 Amd No 1	No
Technical	Requirement for side marker lights	AIS-012 (Part 9) (Rev 1): 2011 GSR 6108 (E), Dt: 10.12.2018	Yes
Technical	Requirement for daytime running lights	AIS-012 (Part 10) (Rev.1): 2011 Amd No 1	Yes
Technical	Requirement for filament lamps	AIS-034 (Part 1) (Rev.1): 2010 Amd No 1 GSR 6108 (E), Dt: 10.12.2018	Yes
Technical	Requirement for gas-discharge light sources	AIS-034 (Part 2) (Rev 1): 2010 GSR 6108 (E), Dt: 10.12.2018	Yes
Technical	Requirement for reflectors	AIS-057 (Rev.1): 2010 GSR 1152 (E), Dt: 11.12.2018	Yes
Technical	Requirement for headlights with variable light distribution (AFS)	AIS-127:2016 CMVR 1989, Rule 124	
Technical	Mandatory equipment with warning triangle	AIS-022:2001, Amd No 1, 2, 3, 4, 5 CMVR 1989, Chapter VI, Rule 138	
Technical	Requirement for horn	IS-1884:1993 (Rev 03) IS-15796:2008 CMVR 1989, Chapter V, Rule 119 GSR 291 (E), Dt: 24.04.2014 GSR 214 (E), Dt: 18.03.1999	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for safety glass (including BIS Certification and ISI Marking)	CMVR 1989, Chapter V, Rule 100 (1), (2) and (3) IS-2553 (Part 2):2019 Safety Glass Quality Control Order 2020, S.O. 2018(E), Dt: 23.06.2020	Yes
Technical	Requirement for windscreen wipe and washers	CMVR 1989, Chapter V, Rule 101 (1) and (2) IS-15804:2008 GSR 291 (E), Dt: 24.04.2014	No
Technical	Requirement for rear view mirror	AIS-001 (Part 1) (Rev 1): 2011 AIS-002 (Part 1) (Rev 1): 2011 GSR 1152 (E), Dt: 11.12.2018	No
Technical	Requirement for reverse parking alert	AIS-145:2018, Amd No 1 and 2 GSR 1483 (E), Dt: 07.12.2017	No
Technical	Mandatory equipment with vehicle locating device and emergency call button in public transport vehicles (eg hotel-shuttle)	AIS-140:2016, Amd No 1 and 2 MoRTH Notification S.O. 5454 (E) / S.O. 5454 (E), Dt: 25.10.2018	No
Environment	Requirement for fuel specification for biodiesel	GSR 590 (E) CMVR 1989, Chapter V, Rule 115E and 115F	No
Environment	Introduction of emission standard BS VI < GVW 3,500kg	AIS-137:2019 (Part 3) CMVR 1989, Rule 115 (18)(i), (2)(i), 115G (1) and (2) GSR 889 (E), GSR 954 (E), GSR 1461 (E), GSR 103 (E)	No
Environment	Requirement for test procedure emission (weight India)	MoRTH / CMVR / TAP-115 / 116 IS-9211:2003	No
Environment	Requirement for diesel exhaust (smoke), Idle Carbon Monoxide (CO) and Hydrocarbon (HC)	CMVR 1989, Chapter V, Rule 115 (2)(i) GSR 103 (E)	No
Environment	Requirement for geometry of exhaust outlet pipe	CMVR 1989, Chapter V, Rule 112 and 113	No
Environment	Requirement for On-Board Diagnostic (OBD) BS VI	AIS-137:2019 (Part 3), Chapter 14	No
Environment	Requirement for road load resistance (vehicle coast down)	AIS-137:2019 (Part 3), Chapter 5, Appendix 2	No
Environment	Requirement for exterior (pass-by) noise	IS-3028:1998 (Rev 02) GSR 111 (E), Dt: 10.02.2004	No
Environment	Requirement for energy consumption	AIS-039 (Rev.1):2015, Corr 1	No
Environment	Requirement for range	AIS-040 (Rev.1):2015, Amd No 1	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Requirements for approach climbability	AIS-003:1999, Amd No 1, 2, 3	No
Environment	Requirement for electric motor (net power / 30 min power)	AIS-041 (Rev 1):2015	No
Environment	Requirement for net power and maximum 30-minute power requirement for electric propulsion systems and compression ignition engines	AIS-137:2019 (Part 5)	No
Environment	Requirement for Conformity of Production Bharat Stage VI (COP BS VI) (emissions)	AIS-137:2019 (Part 3)	No
Environment	Procedures for type-approval and conformity assessment of component production	AIS-037:2004, Amd No 1, 2, 3, 4, 5, 6, 7, 8 CMVR 1989, Chapter V, Rule 124(A) GSR 784 (E), Dt: 12.11.2008	Yes
Mixed	Information on technical specifications to be provided by the vehicle manufacturer	AIS-007:2014 (Rev 5), Amd No 7	No
Mixed	Administrative procedure for type approval and conformity of production for M and N category vehicles	AIS-137:2019 (Part 6)	No
Mixed	Additional safety features for the improvement of vehicle / road safety, deactivating the parental lock	AIS-145:2018, Amd No 1 and 2 GSR 1483 (E), Dt: 07.12.2017	No
Mixed	Requirement for vehicle classes	IS-14272:2011 GSR 1152 (E), Dt: 11.12.2018	No
Mixed	Implementation of crash regulation + Acceptance of EEC / ECE certificates for India type-approval tests (safety belts, seat anchorages and headrests, etc)	Standing Orders (S.O.) 1139 / 2412 CMVR 1989	No
Mixed	India homologation according to EU WVTA certificate, vehicle import \$40T and 2,500 regulation	DGFT 56 (RE-2008) / 2004-09 GSR 870 (E), Dt: 13.09.2018	No
Mixed	Requirement for ground clearance	IS-9435:2004	No
Mixed	Requirements for emissions test procedure (weight India)	CMVR 1989, Chapter V, Rule 93 (1), (2), (4), (6), (7) IS-9211:2003	No
Mixed	Requirement for dimensions	CMVR 1989, Chapter V, Rule 93	No
Mixed	Speed warning if 80km/h or 120km/h is exceeded	AIS-145:2018, Amd No 1 and 2 GSR 1483 (E), Dt: 07.12.2017	No
Mixed	Mandatory equipment with speed limiter for commercial vehicles	CMVR 1989, Chapter V, Rule 118 AIS-018:2001, Amd No 1, 2, 3, 4, 5	No



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Requirements for the accuracy of the speedometer	IS-11827:2008 CMVR 1989, Chapter V, Rule 117	No
Mixed	Requirement for Vehicle Identification Number (VIN), production date and engine number	AIS-065:2005, Amd No 1, 2, 3 CMVR 1989, Chapter V, Rule 122 GSR 590 (E), Dt: 02.06.1989	No
Mixed	Requirement to attach the FASTag for toll collection system	CMVR 1989, Chapter IV, Rule 90, VI Rule 138A, Rule No 47 GSR 1361 (E), Dt: 02.11.2017	No
Mixed	Request for VIN, production date, engine number	CMVR 1989, Chapter VR 122	No
Mixed	Safety regulation for propulsion batteries	AIS-048:2009, Amd No 1	No
Mixed	Requirement for battery-powered electric vehicles	AIS-038 (Rev. 1):2015, Amd No 1 S.O. 411 (E), Dt: 09.02.2016	No
	Requirement for battery-powered electric vehicles	AIS-102 (Part 1):2009, Amd No 1 and 2 AIS-038 (Rev.1):2015, Amd No 1	No
Mixed	Requirement for interference immunity for road vehicles	AIS-004 (Part 3):2009, Corrigendum 1, Amd No 1	No
Mixed	Requirement for reverse gear (construction, equipment and maintenance)	CMVR 1989, Chapter V, Rule 99	No
Mixed	National frequency allocation plan, 2018	NFAP-18 As per Ministry of telecommunication updates	No
Mixed	Requirement for first aid kit (local first aid kit prior to delivery)	CMVR 1989, Chapter CR138	No



South Korea

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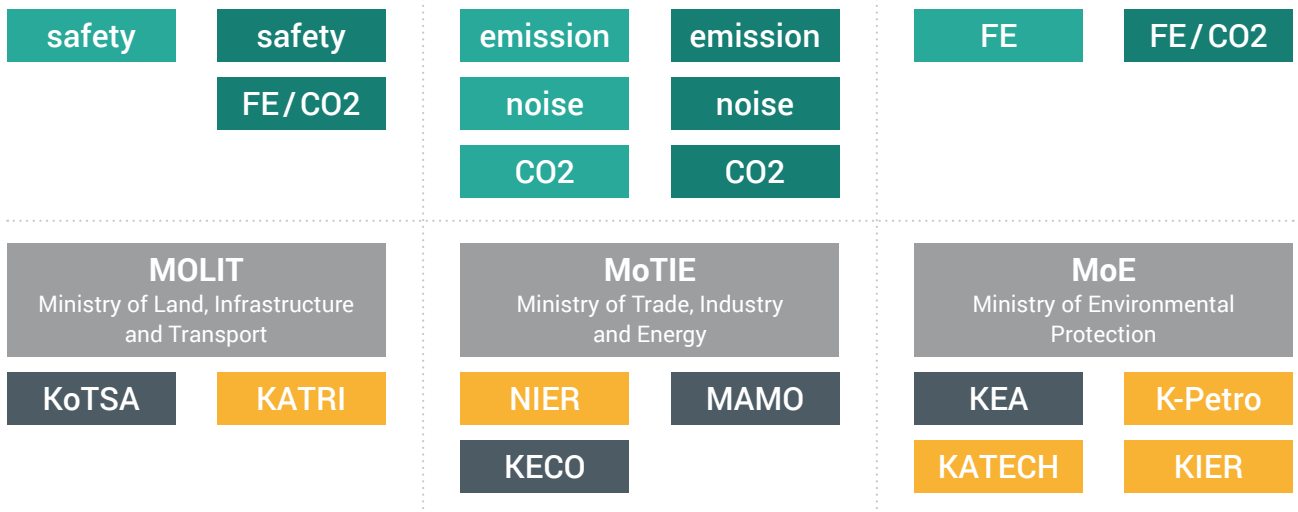


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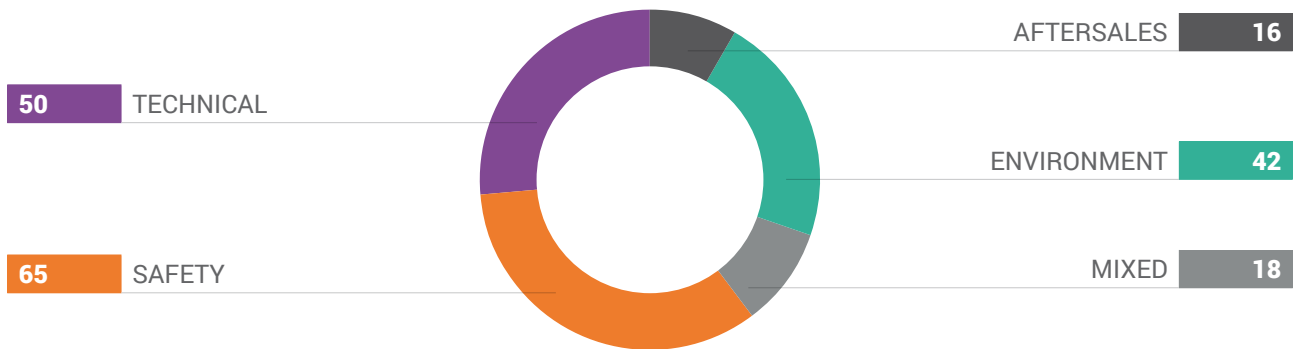
MINISTRY AND REGULATORY AUTHORITIES

NEW CAR HOMOLOGATION POST MANAGEMENT MINISTRY SUBSIDIARY-ACTING BODY SUBSIDIARY-THINK TANK

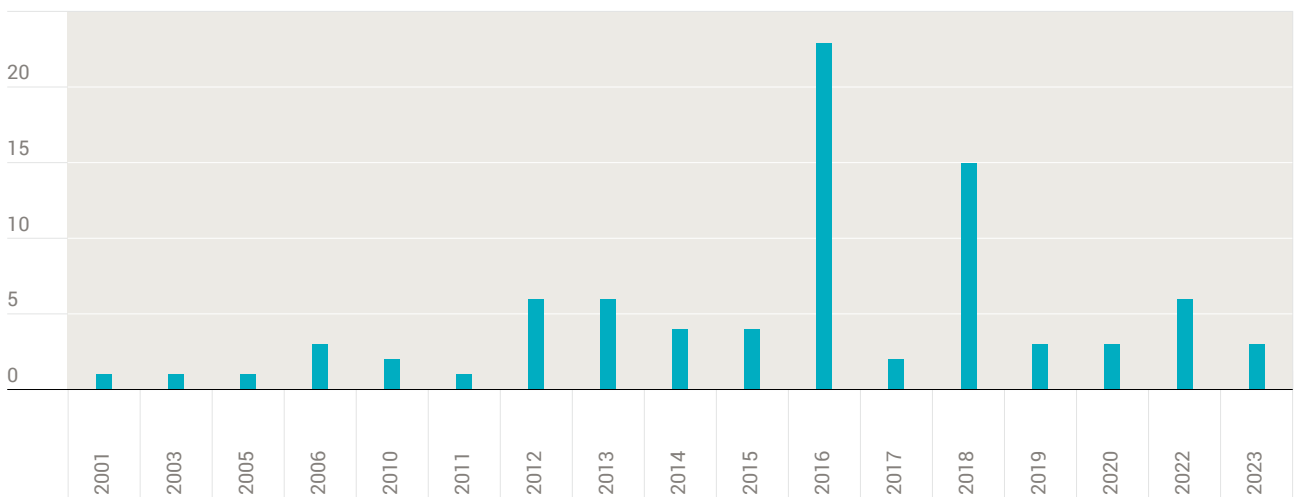


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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for steering systems	KMVSS Art 14 (2016) KMVSS Art 89 (1) (2016) KMVSS Art 89 (2)	No
Safety	Requirement for steering and assistance systems	KMVSS Art 14-2 (2016) KMVSS Art 89-2 (2016)	No
Safety	Requirement for braking capability	KMVSS Art 15 KMVSS Art 90.1	No
Safety	Requirement for Electronic Stability Control (ESC)	KMVSS Art 15-2 (2016) KMVSS Art 90-2 (2016)	No
Safety	Requirement for braking capability (with ABS)	KMVSS Art 15 (6) (2016) KMVSS Art 90.4	No
Safety	Requirement for pneumatic tyres	KMVSS Art 12 (1) (2011)	Yes
Safety	Requirement for blow out test for wheels / tyres	KMVSS Art 88-2 (2016)	No
Safety	Requirement for Tyre Pressure Monitoring System (TPMS)	KMVSS Art 88-3	No
Safety	Requirement for exterior projections	KMVSS Art 19 (2012)	No
Safety	Requirement for bumper	KMVSS Art 93 (2011 / 2012)	No
Safety	Requirement for pedestrian protection (leg test specimen FlexPLI alternatively applicable (NT), Transport Research Laboratory (TRL) still possible)	KMVSS Art 102-2 (2023)	No
	Requirement for pedestrian protection (omission of test specimen TRL, only leg test specimen FlexPLI permitted (mandatory for NT and AT) based on GTR 9)	KMVSS Art 102-2 (2023) TRL applicable till 2021	No
Safety	Test specification for Injury Criteria for Headform (HIC)	KMVSS Art 102-2 (2023)	No
Safety	Requirement for controls	KMVSS Art 13 (2001)	No
Safety	Requirement for interior fittings – instrumental panel	KMVSS Art 88 (2016)	No
	Requirement for interior fittings – backrest	KMVSS Art 98 (2016)	No
	Requirement for interior fittings – armrest	KMVSS Art 100 (2016)	No
	Requirement for interior fittings – sun visor	KMVSS Art 101 (2016)	No
Safety	Requirements for occupant protection in the event of impact in interior doors	KMVSS Art 108	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for anti-theft protection	KMVSS Art 22	No
Safety	Requirement for glazing materials	KMVSS Art 34 (2006)	Yes
Safety	Requirement for gas pedal control system	KMVSS Art 87	No
Safety	Requirement for strength of door locks and door hangers	KMVSS Art 104 (2)	No
Safety	Elimination of the minimum seat cushion width for new types	KMVSS Art 24 KMVSS Art 25 KMVSS Art 25 (2) KMVSS Art 97	No
Safety	Requirement for head restraints	KMVSS Art 26 (2012) KMVSS Art 99 (2012)	No
Safety	Requirement for seats / seat anchorage	KMVSS Art 97 (2016)	No
Safety	Requirement for belt warner	KMVSS Art 27 (4) (2021 / 2022)	No
Safety	Requirement for safety belt anchorages	KMVSS Art 103 (2012)	No
Safety	Requirement for child seat anchorages – ISOFIX	KMVSS Art 103-2 (2010) KMVSS Art 27-2 (2010)	No
Safety	Requirement for flammability of interior materials	KMVSS Art 95 (2015)	No
Safety	Requirement for frontal impact – Integrity of fuel system	KMVSS Art 91 (2022)	No
Safety	Requirement for occupant protection in the event of a frontal impact	KMVSS Art 102 (2016)	No
Safety	Requirement for occupant protection and tank integrity in the event of a frontal impact - fixed barrier	KMVSS Art 102-3 (2020/2022)	No
Safety	Requirement for occupant protection and airbag Notice in the event of a frontal impact	KMVSS Art 102 (2020)	No
Safety	Requirement for mounting of windscreen	KMVSS Art 105 (2) (2006)	No
Safety	Requirement for occupant protection in the event of windscreen intrusion	KMVSS Art 105 (2) (2016)	No
Safety	Requirement for side crash - Fuel system integrity	KMVSS Art 91 (4) (2022)	No
Safety	Requirement for occupant protection in the event of a side impact	KMVSS Art 102 (1)	No
Safety	Requirement for pole side impact, World-SID	KMVSS Art 102-(4) (2022)	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for door impression resistance	KMVSS Art 104 (1) (2003)	No
Safety	Requirement for rear impact – Fuel system integrity	KMVSS Art 91 (2016)	No
Safety	Requirement for driver impact protection against the steering system	KMVSS Art 89	No
Safety	Requirement for rearward displacement of the steering system	KMVSS Art 89	No
Safety	Requirement for voluntary installation of an accident data recorder	MVMA 2019 (Motor Vehicle Management Act) Art 29-3 Enforcement Regulation Art 30-3 KMVSS Art 56-2 (2005)	No
Safety	Requirement for high-voltage safety after a crash	KMVSS Art 91 (4) (2022) (currently under review)	No
Safety	Requirement for roof impression protection (convertibles excluded)	KMVSS Art 92	No
Safety	Requirement for defrosting and demisting	KMVSS Art 51 KMVSS Art 109, table 30	No
Safety	Requirements for equipment with a car-to-car Automatic Emergency Braking System (AEBS)	KMVSS Art 15-3 Not relevant for passenger vehicles	No
Safety	Requirement for the field of vision	KMVSS Art 50 (1)	No
Safety	Requirement for rear pedestrian protection device	KMVSS Art 53-2 (2020)	No
Safety	Requirement for the driver's field of vision	KMVSS Art 94	No



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for the installation of lighting and light signalling devices	KMVSS Art 38 T. 6-3,-4,-5 KMVSS Art 38-2 T. 6-6, -7 KMVSS Art 38-3 T. 6-30 KMVSS Art 38-4 T. 6-8 KMVSS Art 38-5 T. 6-9 KMVSS Art 39 T. 6-10 KMVSS Art 39-2 T. 6-31 KMVSS Art 40 T. 6-11 KMVSS Art 40-3 T. 6-32 KMVSS Art 41 T. 6-13 KMVSS Art 42 T. 6-14 KMVSS Art 43 T. 6-15,-16 KMVSS Art 44 T. 6-17 KMVSS Art 44-2 T. 6-18 KMVSS Art 45 T. 6-19 KMVSS Art 47 KMVSS Art 48 KMVSS Art 49 T. 6-23,-26,-27	No
	Requirement for lighting and signalling system: head lamp	KMVSS Art 38 KMVSS Art 48, §3 KMVSS Art 106, Item 1	
	Requirement for lighting and signalling system: front fog lamp	KMVSS Art 38-2, §1 KMVSS Art 106, Item 2	
	Requirement for lighting and signalling system: backup lamp	KMVSS Art 39 KMVSS Art 106, Item 3	
	Requirement for lighting and signalling system: clearance lamp	KMVSS Art 40 KMVSS Art 106, Item 4	
	Requirement for lighting and signalling system: registration plate lamp	KMVSS Art 41 KMVSS Art 106, Item 5	
	Requirement for lighting and signalling system: tail lamp	KMVSS Art 42 KMVSS Art 106, Item 6	
	Requirement for lighting and signalling system: stop lamp	KMVSS Art 43, §1 KMVSS Art 106, Item 7	
	Requirement for lighting and signalling system: centre high mounted stop lamp	KMVSS Art 43, §2, §3 KMVSS Art 106, Item 8	
	Requirement for lighting and signalling system: turn signal	KMVSS Art 44 KMVSS Art 106, Item 9	
	Requirement for lighting and signalling system: auxiliary turn signal	KMVSS Art 44 KMVSS Art 106, Item 10	
	Requirement for lighting and signalling system: rear fog lamp	KMVSS Art 38-2, §2 KMVSS Art 106, Item 2	
	Requirement for lighting and signalling system: retro-reflection devices	KMVSS Art 49, §1, §2 KMVSS Art 107	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for sound level	KMVSS Art 53 containing table 13 NVCA Reg Art 29 (Noise vibration control act)	No
Technical	Requirement for audible warning devices (horn)	KMVSS Art 53	No
Technical	Requirement for rear view mirror	KMVSS Art 108	No
Technical	Requirement for the limitation of the operation of Digital Multimedia Broadcasting(DMB) and display systems	MOLIT Not 2012-08-12	No
Technical	Safety regulations for national geodata	National Space Information Security Management Regulation (MOLIT Ordinance 949) (2016)	No
Technical	Disaster alert	Disaster and Safety Management Act Art 3 and 38 (2013)	No
Technical	Hood latch system	KMVSS Art 21	No
Environment	Requirement for exhaust gases Euro 6b and On-Board Diagnostic (OBD) Euro 6-1		No
Environment	Requirement for emission legislation and zero-emissions vehicles (ZEV) mandate	AEPA Enforcement Regulations (MOE Ord 793-2018)	
Environment	Emission regulation diesel: Worldwide harmonised Light vehicles Test Procedure (WLTP), Real Driving Emissions (RDE)	AEPA Enforcement Regulations (MOE Ord 793-2018)	No
Environment	Requirement for test fuel	AEPA Enforcement Regulations (MOE Ord 793-2018)	No
Environment	Introduction emission legislation LEV III	AEPA Enforcement Regulations (MOE Ord 793-2018)	No
Environment	Requirement for diesel emission standard	AEPA Enforcement Regulations (MOE Ord 793-2018)	No
Environment	Requirement for fuel evaporation	AEPA Enforcement Regulations (MOE Ord 793-2018)	No
Environment	Requirements for Emission-relevant Components (ERC)	AEPA Enforcement Regulation (MOE Ord 769-2019 Pres Ord 28583-2018)	No
Environment	Requirement for the determination of weights and driving resistances	MOE Notification 99-88 (MOE Notification 2009-110 / 2009-289 / 2012-122) MOE Notification 2013-38 MOLIT Ordinance 99 MOLIT 2012-124 MKE Notification No 2013-4	No
Environment	Requirement for external noise measurement	MOE Notification 2019-129	No
Environment	Requirement for Acoustic Vehicle Alerting Systems (AVAS)	KMVSS Art 53-3 containing table 6-33 (2020)	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Adjustment of the weight-based, manufacturer-specific fleet consumption target value	KAIDA Regulation 2014.12	No
Environment	Requirement for fuel consumption	MOLIT Notification 2017-809 MOTIE Notification 2017-175 MOE Notification 2017-216	No
Environment	Emission and fuel consumption test	MOE Notification 2015-6	No
Environment	Requirement for electrical range at low temperature	MOE Notification 2012-122	No
Environment	Requirement for fleet consumption	MOE Notification 89 / 2011 (MOE Notification 2017-225)	No
Environment	Deterioration Factor (DF) / Regeneration Factor (RF) determination for WLTP vehicles	MOE Notification 99-88 (MOE Notification 2018-45)	No
Environment	Requirement for warranty period for emission values in In Use Test for diesel-powered taxis	MOE Ordinance 608 (2013 / 2015)	No
Environment	Control standard for indoor air quality	MOLIT Not 2013-889	No
Environment	Modification of exhaust pipe angle	KMVSS Art 17, § 1, sub 2 KMVSS Art 19, § 1, sub 2 (2018) KMVSS Art 37 (2018)	No
Environment	Requirement for OBD thresholds	OBD Euro 6-2 (2018)	No
Environment	Procedure for determination of road load resistance	MOLIT / MOE / MOTIE Notification 14.11.20	No
Environment	Requirement for combustion engine	KMVSS Art 11 (1) (2014) KMVSS Art 111 (1) (2014)	No
Environment	Requirement for electric motor	KMVSS Art 11 (1) (2014) KMVSS Art 111 (2) (2014)	No
Environment	Requirement for the recycling of end-of-life vehicles and material bans	Pres Ordinance 27049 MOE Notification 2015-145	No
Environment	Specification diesel test fuel, requirement test fuel certificates for diesel FE tests	AEPA and Petroleum Business Act (2016)	No
Environment	Requirement for Electromagnetic Compatibility (EMC)	KMVSS Art 111-2 (2016)	No
Mixed	Type approval according to KMVSS Art equivalent table (table 4)*	MOLIT Notification 2019-76	No
Mixed	Safety regulation for ground clearance	KMVSS Art 5	No
Mixed	Determination of Korean weights and driving resistance	Weight definition Korea (2015)	No

* KMVSS table 4: KMVSS (Table 4) Equivalent Standards for Manufacturer's test report (Article 4) - Not allowed to choose between EEC/EEC and FMVSS regulations while stating compliance of overall vehicle



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Requirement for connecting devices	KMVSS Art 20 (2) (2018)	No
Mixed	Requirement for towing device	KMVSS Art 20 (1)	No
Mixed	Requirement for speedometer / odometre	KMVSS Art 54 (1) KMVSS 110 (2016)	No
Mixed	Requirements for the mounting of registration plates	MOLIT Notification 2016-406 (MOLIT Notification 2019-89) Art 6-2	No
Mixed	Requirement for high voltage battery systems of electric vehicles	KMVSS Art 18-2 KMVSS Art 18-3 (2016)	No
Mixed	Requirement for fire extinguishers for vehicles with more than 7 seats	KMVSS Art 57 (2006)	No
Mixed	Approval of pharmaceutical products	§ 35 Pharmaceutical Affairs Act (2017)	No
Mixed	Requirement for Vehicle Identification Number (VIN)	MVMA 2019 (Motor Vehicle Management Act) Art 22-23	No
Aftersales	Requirement for spare parts for mandatory Korean certification, registration and permanent labelling	MOLIT Notification 2017-668, table 6	Yes
Aftersales	Brake linings	KMVSS Art 112-10 (2018)	Yes
Aftersales	Rims	KMVSS Art 12 (4) KMVSS Art 112-11 containing table 30-7 (2018)	Yes
Aftersales	Safety belts	KMVSS Art 112-3 containing table 16 (2013)	Yes
Aftersales	Warning triangle	KMVSS Art 112-8 (2018)	Yes
Aftersales	Lighting system	KMVSS Art 112-4 (2013)	Yes
Aftersales	Rear retro-reflectors	KMVSS Art 112-5 (2013)	Yes
Aftersales	Vehicle safety glazing	KMVSS Art 112-7 (2018)	Yes
Aftersales	Brake hoses	KMVSS Art 112-2	Yes
Aftersales	Rear Underrun Protection Devices (RUPD)	KMVSS Art 19, § 4 KMVSS Art 96	Yes
Aftersales	Rear marking plates for heavy and long vehicles	Harmonised with UN R70	Yes
Aftersales	Rear marking plates for slow-moving vehicles	Harmonised with UN R69	Yes
Aftersales	Radio components	Radio Law Act No 13588 Enforcement Ordinance of Radio Act Presidential Notification No 27971 (2013 / 2018)	Yes



Japan

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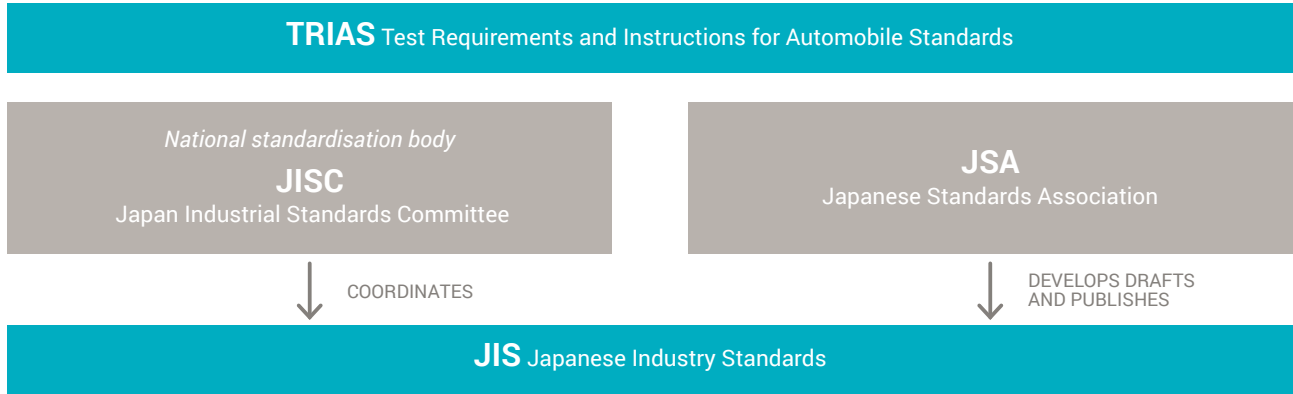
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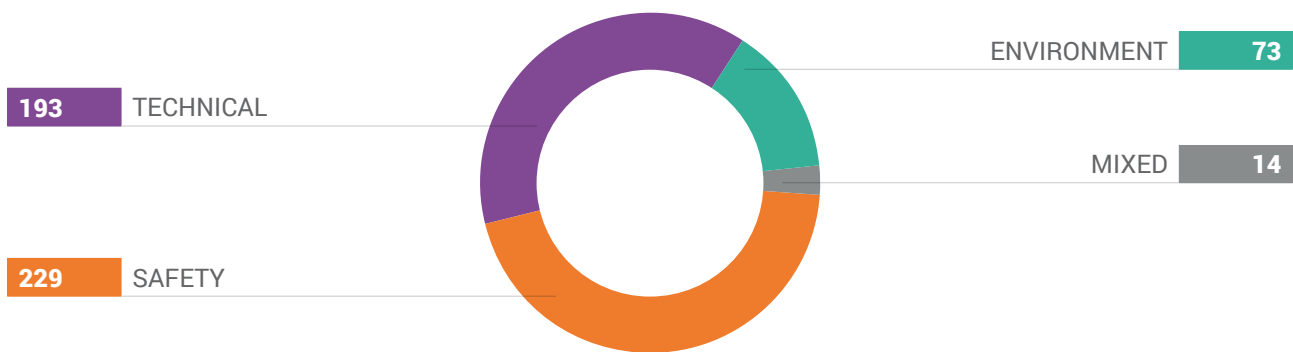


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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for steering systems Adoption of R79: Passenger cars with 10 persons or more and with gross vehicle weight (GVW) of more than 5t and trucks with GVW over 12t Adoption of R79: Other than above ACSF Category A and B1, and Corrective Steering Function Allow use of Emergency Steering Function (ESF) indicator as optical signal for Corrective Steering Function (CSF) activation: <ul style="list-style-type: none"> - ESF and ACSF Category C (turn signal-originated lane change) - Review and addition of Annex 6 (provisions to secure safety of electronic systems) requirements Clarification of the following requirements: <ul style="list-style-type: none"> - Requirements for using flashing for CSF optical alarms - Requirements for ESF warning display - Category C (turn signal-originated lane change) termination requirement, hands-off warning 	TRIAS 11-R079-01 TRIAS 11-R079-02 TRIAS 11-R079-03 Ordinance No 54, Announcements No 675 and 676, Kokujigi No 32-2 Announcement No 88 Ordinance No 61, Announcement No 906, Kokujigi No 135-2 Ordinance No 80, Announcement No 1175, Kokujigi No 134-2 Ordinance No 80, Announcement No 1175, Kokujigi No 134-2 Announcement No 52 Harmonised with UN R79	No
Safety	Testing of passenger car braking systems	TRIAS 12-R013H-02 (2012) Harmonised with UN R13H	No
Safety	Testing of brake assist systems	TRIAS 12-R139-01 Ordinance No 7 Announcements No 88 and 89 Announcement No 1395 Announcement No 52 Harmonised with UN R139	No
Safety	Testing of Electronic Stability Control systems (ESC)	TRIAS 12-R140-01 Ordinance No 7 Announcements No 88 and 89 Announcement No 1175 Announcement No 1395 Announcement No 52 Harmonised with UN R140	No
Safety	Brake system for commercial vehicles	TRIAS 12-J010-01 TRIAS 12-R013-02 Harmonised with UN R13	
Safety	Requirement for testing of pneumatic tyres	TRIAS 09-J003-R030-01 (2012)	
Safety	Requirement for temporary use spare tyres	TRIAS 09-R064-02 Ordinance No 54, Announcements No 675 and 676 Announcement No 1048 Ordinance No 7 Announcements No 88 and 89 Announcement No 52 Harmonised with UN R64	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Testing of tyres regarding rolling sound emission and / or adhesion on wet surfaces and / or roll resistance	TRIAS 09-R117-01 Ordinance No 74 Announcements No 1048 and 1049 Kokujikan No 136-2 Announcement No 226 Announcement No 88 Announcement No 52 Harmonised with UN R117	No
Safety	Testing of Tyre Pressure Monitoring Systems (TPMS)	TRIAS 09-R141-01 Ordinance No 7 Announcements No 88 and 89 Harmonised with UN R141	
Safety	Testing of pneumatic tyres mounted on motor vehicles	TRIAS 09-R142-01 Ordinance No 7 Announcements No 88 and 89 Kokujigi No 226-2 Announcement No 1175 Harmonised with UN R142	No
Safety	Testing of light metal - disc wheels	TRIAS 09-J002-02 (Attachment 2) (2012)	No
Safety	Requirement for exterior projections	TRIAS 18-J020-R026-01 (2009)	No
Safety	During the type approval test of the wheel covers, the tyre width without rim flange protection and lettering or ornamentation is taken into account.	Safety Regulation Art 22 No 843 (2017)	No
Safety	Pedestrian head and leg protection verification	TRIAS 18-J099(1)-01 TRIAS 18-J099(2)-01 (2018 / 2019) TRIAS 18-R127-01 Harmonised with UN R127	No
Safety	Test specification for active front flaps	TRIAS 18-R127-X based on GTR 9	No
Safety	Testing of plastic fuel tanks for passenger cars (component test)	TRIAS 15-J016-02	No
Safety	Testing of fuel tank leakage in the event of an impact	TRIAS 15-J017-01	No
Safety	Requirement for testing of fuel tank (component test)	TRIAS 15-R034(1)-01	No
Safety	Requirement for testing of vehicle	TRIAS 15-R034(2)-01	No
Safety	Testing of Rear Underrun Protection Devices (RUPD)	TRIAS 18(2)-R058(2)-02 (2012) Harmonised with UN R58 (vehicle test)	No
Safety	Technical guideline for front night vision systems (optional application, divergences from the guideline must be agreed in special processes with the authorities in Japan)	Technical Guideline – Attached Sheet 4 (Kokujigi 17 / 2002)	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Verification of controls, indicator lights and displays	TRIAS 10-R121-02 (2017) Ordinance No 73, Announcements No 826 and 827 Announcement No 126 Announcement No 1175 Ordinance No 47 Announcements No 723 and 724 Kokujigi No 47-2 Announcements No 88 and 89 Announcement No 640 Announcement No 945 Announcement No 1175 Harmonised with UN R121	No
Safety	Testing of locking devices for four-wheeled vehicles	TRIAS 11(2)-J007-R018-R116-01	No
Safety	Testing of engine immobilisers	TRIAS 11(2)-J009-R097-R116-01	No
Safety	Safety regulations for road vehicles Engine and power train Pedal lever	Safety Regulation Art 8 Ord 67 / 1951 (2005)	No
Safety	Testing of door locks and door suspensions	TRIAS 25-R011-01 TRIAS 25-J036-01 Harmonised with UN R11	No
Safety	Requirement for interior fittings	TRIAS 20-R021-01 Harmonised with UN R21	No
Safety	Application of UN ECE-R 21 (interior fittings of vehicles) - Elimination of the obligation to provide proof	TRIAS 20-J028-02 (dashboard) TRIAS 20-J087-01 (sun visor)	No
Safety	Requirement for head restraints	TRIAS 22(4)-J034R025-01 Harmonised with UN R25	No
Safety	Elimination of headroom requirements	Safety Regulation Art 26 (2017) Acceptance of UN ECE-R 17	No
Safety	Elimination of seat width requirements	Safety Regulation Art 28 (2017) Acceptance of UN ECE-R 14 and 16	No
Safety	Testing of seats and seat anchorages	TRIAS 22-R017(1)-01 (2011) Harmonised with UN R17	No
Safety	Testing of seat belt anchorages	TRIAS 22(3)-R014-01 (2012) Harmonised with UN R14	No
Safety	Seat belt anchorage	TRIAS 22(3)-R014-01 TRIAS 22(5)-R014-02 TRIAS 22(3)-J031-01 Harmonised with UN R14	
Safety	Crash Recovery System (CRS)	22(5)-R044-01, 22(5)-R014-02 (ISOFIX), 22(5)-R016-02 (ISOFIX CRS load ability) Harmonised with UN R44, R 129	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	CRS Installation	TRIAS 22(5)-R145-01 Harmonised with UN R145	
Safety	Testing of seat belts	TRIAS 22(3)-R016(1)-01 (2018) TRIAS 22(3)-R016(2)-01 (2021 / 2022) Harmonised with UN R16 (vehicle inspection) TRIAS 22(3)-R016(3)-03 (2021 / 2022) Harmonised with UN R16 (seat belt warning devices)	No
Safety	Safety belts, restraint systems, child restraint systems and ISOFIX child restraint systems	TRIAS 22(5)-R016-02 TRIAS 22(5)-R145-01	No
Safety	Safety belt anchorages, ISOFIX anchorage systems and ISOFIX upper strap anchorages	TRIAS 22(5)-R014-02 TRIAS 22(5)-R145-01	No
Safety	Testing of flame-resistant interior materials	TRIAS 20-J027-01 (2012)	No
Safety	Requirement for signal torch	Safety Regulation Art 43-2 (2006)	No
Safety	Requirement for an off-set frontal impact for high voltage cars	TRIAS 17(2)-R094-02	No
Safety	Testing of occupants protection and fuel tank tightness in the event of frontal collision	TRIAS 18-J023(1)-01 TRIAS 18-J023(2)-01 (2011) Announcements No 723 and 724 Kokujigi No 47-2	No
Safety	Testing of occupants protection in the event of a staggered impact Clarification of requirements for protection against electroshock Warning label on the use of rearward-facing CRS on seats equipped with airbag shall be visible Change of reference for airbag labeling to UN-R16 and correction of production compatibility	TRIAS 18-R094-02 (2009) Announcement No 675 Announcement No 68 Harmonised with UN R94	No
Safety	Testing of occupants protection from high voltage after a frontal collision Chest compression criterion 5th percentile co-driver: $\leq 34\text{mm}$	TRIAS 17(2)-R137-01 TRIAS 18-R137-01 Harmonised with UN R137	No
Safety	Testing of occupants protection and fuel tank tightness in the event of a frontal collision Chest compression criterion 5th percentile co-driver: $\leq 34\text{mm}$	TRIAS 18-R137(1)-01 Harmonised with UN R137	No
Safety	Requirement for side impact for high voltage cars	TRIAS 17(2)-R095-02	No
Safety	Testing of occupants protection in the event of lateral collisions for vehicles with combustion engines	TRIAS 18-R095-02 Harmonised with UN R95	No



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Side Collision	TRIAS 18-J024R095-01 TRIAS 18-R095-02 Harmonised with UN R95	
Safety	Testing of occupants' protection in the event of pole side impact	TRIAS 18-R135-01 Harmonised with UN R135	No
Safety	Testing of fuel tank tightness in case of rear impact	TRIAS 15-J017-01	No
Safety	Testing of occupants' protection from the steering system in the event of frontal collision for vehicles with combustion engine (Impact Absorbing Steering System)	TRIAS 11-R012-01 (2015) TRIAS 11-J006R012-01 Harmonised with UN R12	No
Safety	Driver's protection from the steering system in the event of an impact for high voltage cars	TRIAS 17(2)-R012-02	No
Safety	Stability Requirements for overturn angles for vehicles whose gravity point is lower when loaded than when unloaded: 35° → 30°	TRIAS 05-001-02 TRIAS 05-002-01 Announcement No 675	
Safety	Advanced Emergency Braking System (AEBS) for passenger cars and trucks	TRIAS 12-J113-01 TRIAS 12-R131-02 TRIAS 12-R152-01 Harmonised with UN R131, UN R152	
Safety	Electric safety	TRIAS 17(2)-J110-01 TRIAS 17(2)-J111(1)-0 TRIAS 17(2)-J111(2)-02 TRIAS 17(2)-R012-02 TRIAS 17(2)-R094-02 TRIAS 17(2)-R095-02 TRIAS 17(2)-R100-01 TRIAS 17(2)-J101-01 Harmonised with UN R100	
Safety	Pole Side Impact New standards for pole side impact and application of UN-R135 (Scope: All M1 vehicles and some N1 vehicles) Increase in the collision speed for vehicles whose width is 1.5m or less (26-33km/h → 31-33km/h) M1 is applicable only when it is 3.5t or less	Ordinance No 47 Announcements No 723 and 724 Kokujigi No 47-2 Ordinance No 1 Announcements No 226 and 227 Kokujigi No 214 Harmonised with UN R135	
Safety	Strength of super structure for large passenger vehicles New requirements for buses with 18 persons or more and over 12t, which are harmonised with UN R66	Harmonised with UN R66	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Rear Underrun Protection Devices (RUPD)	TRIAs 18(2)-J025-01 TRIAs 18(2)-J026-01 TRIAs 18(2)-R058(1)-01 TRIAs 18(2)-R058(2)-02 Harmonised with UN R58	
Safety	Front Underrun Protection Devices	TRIAs 18(2)-J107R093-01 TRIAs 18(2)-J108R093-01 Harmonised with UN R93	
Safety	Seats (Seats that are installed facing backwards excluded from the scope) <ul style="list-style-type: none"> - Requirements for folding seats - Requirements for luggage compartment - Clarification of requirements on damage to seatbelt components after conducting luggage compartment partition strength tests - Applicable to buses and trucks - Test procedures for side-facing seats 	TRIAs 22-J030-01 TRIAs 22-R017-01, 22-J030-01 TRIAs 22-R080(1)-02 (bus single-unit) TRIAs 22-R080(2)-02 (bus vehicle) Announcement No 675 Announcements No 226 and 227 Ordinance No 8, Announcement No 68, Kokujigi No 26 Announcement No 640	
Safety	Seat belt	TRIAs 22(3)-R016(1)-01 (unit) TRIAs 22(3)-R016(2)-01 (vehicle) TRIAs 22(3)-J032-01 Harmonised with UN R16	
Safety	Seat belt reminder	TRIAs 22(3)-R016(3)-03 Harmonised with UN R16	
Safety	Lamp mounting Allow the installation of DRL (UN R87 and UN R48) (Installation is optional)	TRIAs 32-J052R048-03 Harmonised with UN R48 Ordinance No 73 Announcement No 1121	
Safety	Theft prevention device	TRIAs 43(5)-J078R097R116-01 Harmonised with UN R116	
Safety	Lane Departure Warning System (LDWS)	TRIAs 43(6)-R130-01 Harmonised with UN R130	
Safety	Acoustic Vehicle Alerting System (AVAS)	Harmonised with UN R138	
Safety	Accident Emergency Call System (AECS)	Harmonised with UN R144	
Safety	Blind Spot Information System (BSIS)	Harmonised with UN R151	
Safety	Proximity field of vision Exemption of technical standards attachment No 81 for trucks over 7.5t which comply with front and passenger side proximity field of vision requirements of UN R46	TRIAs 44-J081-01 Ordinance No 50 Announcements No 826 and 827 Kokujigi No 44-2	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Testing of anti-theft devices	TRIAS 43(5)-J078-R097-R116-01	No
Safety	Driver's protection from the steering system in the event of an impact for high voltage cars	TRIAS 17(2)-R012-02	No
Safety	Testing of de-icing and de-misting devices	TRIAS 45-J086-01 (2012)	No
Technical	Verification of the installation of lightning, retro-reflecting devices and direction indicators	TRIAS 32-J052-R048-04	No
Technical	Testing of headlamps Gas discharge	TRIAS 32-R098-02 (2010) Harmonised with UN R98	No
	Testing of headlamps Halogen + LED	TRIAS 32-R112-04 (2010) Harmonised with UN R112	No
	Testing of headlamps Adoption of R149, integrating UN Regulations for road illumination devices (R19, R98, R112, R113, R119, R123)	Ordinance No 40 Announcement No 714	
	Testing of headlamps Adaptive front-lighting system	TRIAS 32-R123-05 (2010) Harmonised with UN R123	No
Technical	Headlamp cleaner	TRIAS 32-J055R045-01 TRIAS 32-J056R045-01 Harmonised with UN R45	
Technical	Testing of front fog lamps	TRIAS 33-R019-02 (2010) Harmonised with UN R19	No
Technical	Testing of cornering lamps Adoption of R149, integrating UN Regulations for road illumination devices (R19, R98, R112, R113, R119, R123)	TRIAS 33(2)-R119-02 (2011) Harmonised with UN R119 Ordinance No 40 Announcement No 714	No
Technical	Maneuvering lamp Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 33(3)-R023-02 Harmonised with UN R23 Ordinance No 40 Announcement No 714	
Technical	Testing of front position lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 34-J058R007-01 (2012) Harmonised with UN R7 Ordinance No 40 Announcement No 714	No
Technical	Front upper-end lamp Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 34(2)-J059R007-01 Harmonised with UN R7 Ordinance No 40 Announcement No 714	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Front reflex reflector Adoption of R150, integrating UN Regulations for retro-reflective devices (R3, R27, R70, R104)	TRIAS 35-J060R003-01 Harmonised with UN R3 Ordinance No 40 Announcement No 714	
Technical	Testing of daytime running lamps	TRIAS 34(3)-R087-01 (2021) Harmonised with UN R87	No
Technical	Testing of side-marker lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 35(2)-J061R091-01 (2013) Harmonised with UN R91 Ordinance No 40 Announcement No 714	No
Technical	Side reflex reflector Adoption of R150, integrating UN Regulations for retro-reflective devices (R3, R27, R70, R104)	35(2)-J062R003-01 Harmonised with UN R3 Ordinance No 40 Announcement No 714	
Technical	Testing of side retro-reflectors	TRIAS 35(2)-J062-R003-01 (2013) Harmonised with UN R3	No
Technical	Testing of number plate lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 36-R004-01 (2020) Harmonised with UN R4 Ordinance No 40 Announcement No 714	No
Technical	Testing of rear lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 37-J064R007-01 (2012) Harmonised with UN R7 Ordinance No 40 Announcement No 714	No
Technical	Testing of rear fog lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 37(2)-J065R038-01 (1997) Harmonised with UN R38 Ordinance No 40 Announcement No 714	No
Technical	Testing of parking lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 37(3)-J066R077-01 (2013) Harmonised with UN R77 Ordinance No 40 Announcement No 714	No
Technical	Large-sized rear reflex reflector Adoption of R150, integrating UN Regulations for retro-reflective devices (R3, R27, R70, R104)	TRIAS 38(2)-R070-01 Harmonised with UN R70 Ordinance No 40 Announcement No 714	
Technical	Retro-reflective marking Adoption of R150, integrating UN Regulations for retro-reflective devices (R3, R27, R70, R104)	TRIAS 38(3)-J105R104-01 Harmonised with UN R104 Ordinance No 40 Announcement No 714	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Backup lamp Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 40-J072R023-01 Harmonised with UN R23 Ordinance No 40 Announcement No 714	
Technical	Direction-indicator lamp Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 41-J073R006-01 Harmonised with UN R6 Ordinance No 40 Announcement No 714	
Technical	Testing of rear retro-reflectors Adoption of R150, integrating UN Regulations for retro-reflective devices (R3, R27, R70, R104)	TRIAS 38-J068R003-01 (2013) Harmonised with UN R3 Ordinance No 40 Announcement No 714	No
Technical	Testing of braking lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 39-J070R007-01 (2012) Harmonised with UN R7 Ordinance No 40 Announcement No 714	No
Technical	Testing of additional brake lamps Adoption of R148, integrating UN Regulations for light signalling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 39(2)-J071R007-01 (2012) Harmonised with UN R7 Ordinance No 40 Announcement No 714	No
Technical	Testing of reversing lamps	TRIAS 40-J072R023-02 (2012) Harmonised with UN R23	No
Technical	Testing of direction indicator lamps	TRIAS 41-J073R006-02 Harmonised with UN R6	No
Technical	Rear upper-end lamp Adoption of R148, integrating UN Regulations for light signaling devices (R4, R7, R23, R38, R50, R77, R87, R91)	TRIAS 37(4)-J067R007-01 Harmonised with UN R7 Ordinance No 40 Announcement No 714	
Technical	Requirement for headlamp cleaning systems	TRIAS 32-J055-R045-01 TRIAS 32-J056-R045-01	No
Technical	Requirement for safety glass	TRIAS 29-R043(1)-02 TRIAS 29-R043(2)-01 Harmonised with UN R43	No
Technical	Testing of windscreen wipers and washers	TRIAS 45-J084-01 (2012) TRIAS 45-J085-01	No
Technical	Requirement for the driver's forward field of vision Adoption of UN-R125: Passenger cars with 9 persons or less	TRIAS 21-R125-01 Harmonised with UN R125	No



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for rear-view mirrors	TRIAS 44-R046(1)-01	No
	Requirement for rear-view mirrors and their mounting	TRIAS 44-R046(2)-02 Harmonised with UN R46	No
	Requirement for rear-view mirrors	TRIAS 44-R046-xx (2021)	No
Technical	Requirement for Camera Monitoring System (CMS)	TRIAS 44-R046(1-2)-01 Harmonised with UN R46	No
Technical	Requirement for in-vehicle display systems (Human Machine Interface)	JAMA Guidelines for In-vehicle Display Systems - Vers 3.0	No
Technical	Requirement for eCall systems	TRIAS 43(8)-R144-01 (2021)	No
Technical	Hydrogen Fuel Cell Vehicles (HFCV) Requirements for passenger cars with GVW less than 4,540kg, fuelled by compressed hydrogen gas, are harmonised UN GTR	TRIAS 17-J100-01 17-GTR013(1)-01 17-GTR013(2)-01 Announcements No 126 and 127 Announcement No 1048	
Technical	Hydrogen Fuel Cell Vehicles Apply UN R134 as requirements for HFCV (however, materials used for a tank should always meet the KHK standards)	TRIAS 17-R134(1)-01 (2018) TRIAS 17-R134(2)-01 (2018) TRIAS 17-R134(3)-01 (2018) Ordinance No 50 Announcements No 853 and 854 Kokujigi No 57-2 Harmonised with UN R134	
Technical	External projection The requirement $R \geq 2.5$ shall not apply to the posterior part of the bonnet or the edge of the panel located at the anterior end of the trunk	TRIAS 18-J020R026-01 TRIAS 18-J021R026-01 TRIAS 18-J022R026-01 Harmonised with UN R26 Announcement No 872	
Technical	Speedometer and odometre	TRIAS 46-J088R039-02 Harmonised with UN R39	
Technical	Tachographs	TRIAS 48(2)-J089-01	
Technical	Speed indication devices	TRIAS 48(3)-J090-01	
Technical	Tyre Run flat tyre Three-wheeler added for exempted vehicles Application extended to include trucks with GVW of 3.5t or more Abolish Technical Standards Attachment 3 and quote UN R30: Category M1 Abolish Technical Standards Attachment 3 and quote UN R30: Category N1	TRIAS 09-J003R30-01 Announcements No 1437 and 1438 Announcement No 89 Announcement No 206 Announcement No 68 Announcements No 1048 and 1049 Kokujikan No 136-2 Announcement No 88 Announcement No 147 Announcement No 1175 Announcement No 52 Harmonised with UN R30	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Horns	TRIAS 43-J074R028-01 TRIAS 43-J075R028-01 TRIAS 43-R028(1)-01 TRIAS 43-R028(2)-01 Harmonised with UN R28	
Technical	Axle weight, etc (Increase in the maximum axle load allowed for tractors having two axles)	Ordinance No 18 Announcement No 459	
Technical	Tyre Three-wheeler added for exempted vehicles Application extended to include trucks with GVW of 3.5t or more	TRIAS 09-J004R54-01 Announcement No 89 Announcement No 206 Announcement No 68 Announcement No 42 Announcements No 1048 and 1049 Kokujikan No 136-2 Announcement No 226 Announcements No 88 and 89 Announcement No 147 Announcement No 1395 Harmonised with UN R54	
Technical	Light alloy wheel ISO standardisation	TRIAS 09-J002-01 Announcement No 869	
Technical	Locking device	TRIAS 11(2)-J007R018R116-01 Ordinance No 85 Announcement No 1217 Announcement No 826 Announcement No 126 Announcement No 714 Harmonised with UN R18	
Technical	Immobiliser Voluntary installation EMC test should be conducted based on R10 / 04: Vehicles with electric motors that can be charged by external power supply EMC test should be conducted based on R10 / 04: Vehicles other than those with electric motors that can be charged by external power supply Technical Standards Attachment 9: Replace 'Attachment 10' with 'R13' EMC test should be conducted based on R10 / 05 · Addition of devices using telecommunication line to the definition of locking devices; however, hardware designed and manufactured by non-vehicle manufacturers, such as smartphones, is excluded from the devices using telecommunication lines. · When using the devices that use telecommunication lines for the key, it is necessary to prove that appropriate measures are taken to prevent serious problems due to unauthorised activities of programs, etc.	TRIAS 11(2)-J009R097R116-01 Announcements No 1203 and 1204 Announcements No 725 and 726 Announcement No 826 Announcements No 975 and 976 Announcement No 714 Harmonised with UN R97	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Brake system (for tractors)	TRIAS 12-J012R013H-01 TRIAS 12-J015-01	
Technical	Requirement for acoustic signals	TRIAS 43-J074-R028-01	No
Technical	Testing of sound pressure of acoustic warning devices (fanfare)	TRIAS 43-J075-R028-01	No
Technical	Requirements for safety glass and glazing materials	TRIAS 29-J037-01	No
Environment	Verification of copper emissions in Selective Catalytic Reduction (SCR) systems	Kokuijkan No 91 (2013)	No
Environment	Verification of exhaust emissions of light and medium-duty vehicles	TRIAS 31-J042(4)-02 (2020)	
Environment	Verification of the light absorption coefficient of the exhaust gas emitted under free acceleration at no-load. Opacimeter	TRIAS 31-J109-01	No
Environment	Verification of evaporation emissions (10-15 mode)	TRIAS 31-J049(1)-01	No
	Verification of evaporation emissions (JC08-Mode)	TRIAS 31-J049(2)-02	No
Environment	Requirement for OBD (petrol)	TRIAS 31-J048(2)	No
Environment	Requirement for OBD (diesel)	TRIAS 31-J048(3)	No
Environment	Requirement for EVAP test procedure	Safety Regulation Art 11-3-49 (2022)	No
Environment	Verification of stationary noise in the near field - Phase 1 Measurement method : Attachment 38 (MLIT Announcement 619 / 2002) TRIAS 30-J038-01 TRIAS 30-J038-01 Testing of stationary noise in the near field TRIAS 30-J039-01 Testing of noise examination at constant speed TRIAS 30-J040-01 Testing of noise examination during acceleration	TRIAS 30-J038-01 TRIAS 30-J039-01 TRIAS 30-J040-01 (2016 / 2022)	
Environment	Requirement for exterior noise	TRIAS 30-R051-01	No
Environment	Testing of the acoustic system warning of approaching vehicles	TRIAS 43(7)-R138-02 (2020) Harmonised with UN R138	
Environment	Monitoring fuel consumption, Basis JC08	Energy Conservation Law (2020)	



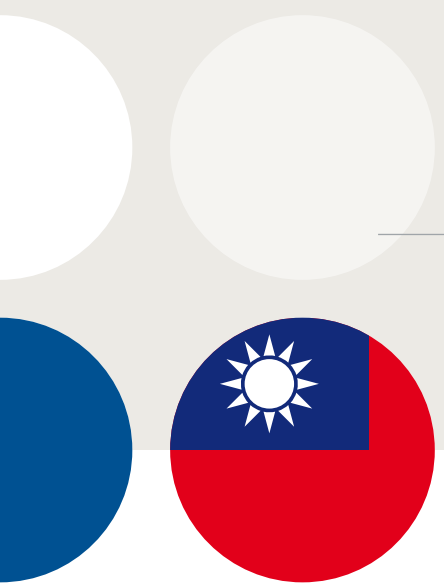
Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Fuel efficiency requirement	Guideline Regarding FE	No
Environment	Test method for fuel consumption (WLTP and JC08)	TRIAS 08-002-02 Attachment 42 Article 41 (2020)	
Environment	Requirement for combustion engines	TRIAS 08-R085-01 TRIAS 99-014-01 (Benzin) TRIAS 99-015-01 (Diesel) TRIAS 99-017-02 (E-Motor) (2011)	No
Environment	Completion inspection	MLIT Ordinance No 85 MLIT Announcement No 1168 (2019)	
Environment	Requirement for COP for fuel consumption	TRIAS 31-J042(2)-01 TRIAS 31-J042(3)-01 (2016)	
Environment	Ban of mercury usage	METI & MOE Regulation (2018)	
Environment	Fuel Standards Diesel: Sulfur contained (0.005% → 0.001%) Gasoline: Sulfur contained (0.005% → 0.001%) E10 gasoline (Ethanol: over 3 volume % and 10 volume % or less; oxygen content: over 1.3 mass % and 3.7 mass % or less, etc)	Announcement No 1513 Announcement No 384	
Environment	Engine and powertrain system	TRIAS 08-J001-01 TRIAS 08-001-01, 08-002-01 TRIAS 08-003-01, 08-003(1)-01 TRIAS 08-004-01, 08-005-01 TRIAS 08-006-01, 08-007-01 TRIAS 08-R085-01 Harmonised with UN R85	
Environment	Addition of regulations on fuel efficiency and electric energy efficiency to Safety Regulations for Road Vehicles Due to adoption of UN-R0 (IWVTA), UN-R85 is adopted as procedure for measuring engine output. Improvement of charge-air-cooled engine measurement procedure	Ordinance No 67 Announcement No 619 Ordinance No 16 Announcement No 465 Announcement No 52	
Environment	Gas emission for light-duty vehicles (3.5t or less)	TRIAS 31-J042(2)-03 TRIAS 31-J042(3)-03 TRIAS 31-J042(4)-01 TRIAS 31-J119-01	
Environment	Gas emission for middle and heavy-duty vehicles (more than 3.5t) (including OCE requirements)	TRIAS 31-J041(4)-01 TRIAS 31-J041(4)-02 TRIAS 31-J116-01	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Fuel System Addition of E10 gasoline specs to 'Properties of Reference Fuel' Correction of standards for 50% distillation temperature to «Properties of Reference Fuel»	TRIAS 15-J016-01 TRIAS 15-J017-01 Announcement No 985	
Environment	Fuel System Addition of E10 gasoline specs to 'Properties of Reference Fuel' Correction of standards for 50% distillation temperature to 'Properties of Reference Fuel' Fuel System Application of UN-R34 / 03 (Requirements for fuel tanks and pipes for automobiles and requirements for prevention of fuel leak from fuel tanks and pipes for passenger cars less than 10 people and with GVW of less than 2.8t and trucks with GVW of less than 2.8t) Add requirements for fuel leak on collision by UN-R137, R94, R95 and R135 to the Details Announcement Article No 18, Paragraph No 2 Change in vehicle speed for crash test in Annex 4 (38km/h → 48-52km/h) Revision to prepare provisions relating to fuel tank protection in three official languages (French, English and Russian)	TRIAS15-R034(1)-01 TRIAS 15-R034(2)-01 Announcement No 985 15-R034(1)-01, 15-R034(2)-01 Ordinance No 47 Announcements No 723 and 724 Kokujigi No 47-2 Announcements No 826 and 827 Announcement No 1121 Announcement No 68	
Environment	Restriction of refrigerant in air conditioning systems	Fluorocarbons Control Act Art 64 / 2001 (2023)	
Environment	Requirement for safety and geometry of exhaust outlet pipes	MLIT Announcement No 619 of 15.07.2002	No
Mixed	Verification of measurement of specifications Vehicle weight	TRIAS 02-001-01 (2012)	No
Mixed	Verification of measurement of specifications Dimensions	TRIAS 02-001-01 (2012)	No
Mixed	Requirement for speedometer (including installation)	TRIAS 46-J088-R039-02	No
Mixed	Embossing / Instamping of the vehicle identification number (eg bleach / aluminium sample with letters and numbers inserted)	Road Vehicles Act Art 29 - 32 (Law 185 / 1951) (2012)	No
Mixed	Requirement for the fitting and mounting angle of the registration plates, their presentation and form	Road Vehicles Act Art 7, 8-2, 11 (Ord. 74 / 1951)	No
Mixed	Requirement for testing of electric drive of vehicles	TRIAS 17(2)-R100(1)-01	No
Mixed	Requirement for testing of electric drive components of vehicles	TRIAS 17(2)-R100(2)-01	No



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Testing of electromagnetic compatibility (Regulation No 10) (Vehicle and electrical / electronic sub-assembly (ESA))	TRIAS 17(2)-R010-01 Harmonised with UN R10	No
Mixed	Verification of motor vehicles fuel systems fuelled with compressed hydrogen (Regulation No 134)	TRIAS 17-R134(1)-01 (2018)	
Mixed	Verification of fuel tank leak tightness in the event of impact etc, of motor vehicles fuelled by compressed hydrogen	TRIAS 17-R134(2)-01 Harmonised with UN R134	
Mixed	Verification of motor vehicles fuel systems fuelled by compressed hydrogen (Regulation No 134 (installation and strength))	TRIAS 17-R134(3)-01 Harmonised with UN R134	
Mixed	CNG Vehicles	TRIAS 17-R110(2)-01 Harmonised with UN R110	



Taiwan

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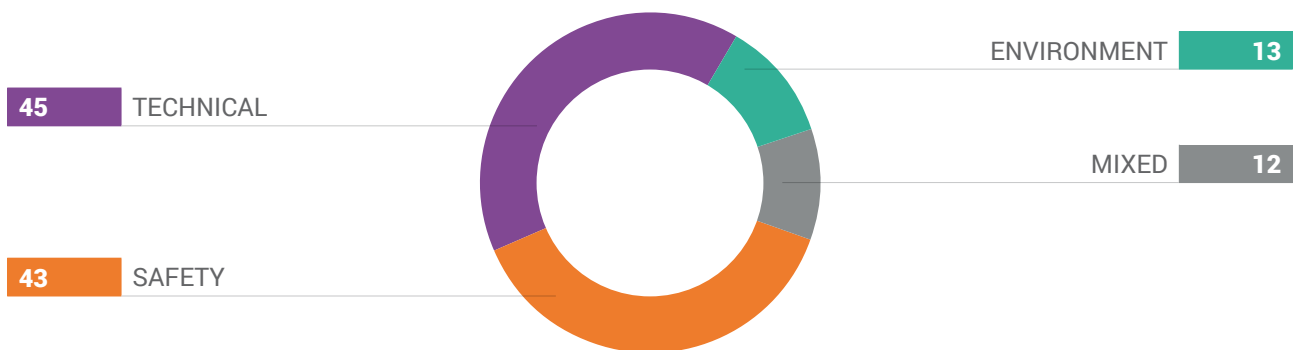


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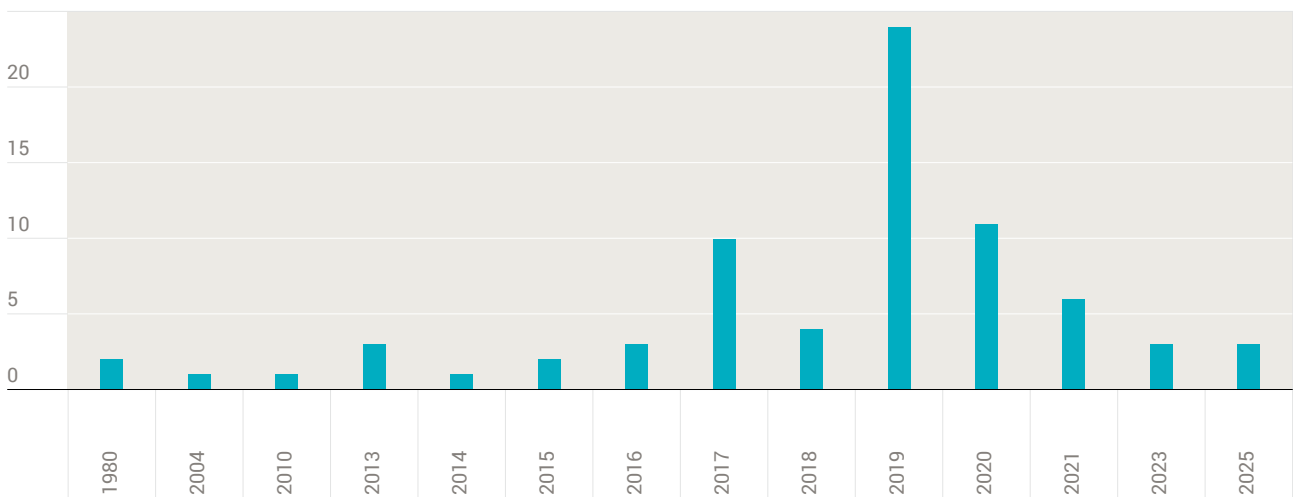


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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirements for belt warning devices	VSTD 2 (2025) Chapter 2.7.1	No
Safety	The lateral protection device and the Rear Underrun Protection Devices (RUPD), or bumper	VSTD 7	
Safety	The requirement of vehicle tilt stability	VSTD 8	
Safety	Sound level of audible warning device	VSTD 9-0	
	Installation of audible warning devices	VSTD 9-1	
Safety	The requirement of stability and durability regarding motorcycle stands	VSTD 13	
Safety	Requirements for flammability of interior materials	VSTD 19-1 (2021)	No
Safety	Retro-reflective markings	VSTD 20	
Safety	Driver operated controls	VSTD 24	
Safety	Requirement for seat belts	VSTD 26-1 (2017)	
Safety	Requirements for tyres	VSTD 28-1 (2015)	No
Safety	Reflex reflectors	VSTD 41	
Safety	Requirement for brakes	VSTD 42-3 (2020)	No
	Requirement for brakes	VSTD 42-4 (2023)	
Safety	Requirements for Antilock Braking System (ABS)	VSTD 43-2 (2020)	No
Safety	Driver protection from the steering system in the event of an impact	VSTD 44-1 (2013 / 2014)	No
Safety	Requirement for occupants' protection in the event of a side impact	VSTD 45-2 (2019)	No
Safety	Requirement for occupants' protection in the event of a frontal impact	VSTD 46-3 (2023)	No
Safety	Requirements for steering systems	VSTD 47 (2010)	No
Safety	Requirement for seats, seat anchorages and head restraints	VSTD 48-2 (2019) VSTD 49-1 (2019) VSTD 50-1 (2015)	
Safety	Requirement for door locks and hinges	VSTD 51-2 (2023)	



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Prevention of fire risks for the large passenger vehicle	VSTD 54	
Safety	Strength of super structure for large passenger vehicles	VSTD 55	
Safety	The electronic control device of small-light moped	VSTD 57	
Safety	The frames fatigue strength of small-light moped	VSTD 58	
Safety	The rear-view mirror with reverse-assistant lamp	VSTD 60	
Safety	The prevention requirements for high temperature compression and electrical shock of electric motorcycle	VSTD 65	
Safety	Requirement for fuel tank	VSTD 66 (2016)	No
Safety	Temporary use spare tyres - Tyre Pressure Monitoring System (TPMS)	VSTD 68 (2016)	No
Safety	Lane Departure Warning System (LDWS)	VSTD 70 (2019)	
Safety	Driving vision assistant system	VSTD 71 (2017)	
Safety	Advanced Emergency Braking System (AEBS)	VSTD 72 (2019)	
Safety	Requirements for the arrangement of marking of manual controls, tell-tales and indicators	VSTD 75 (2020)	No
Safety	Requirement for exterior projections	VSTD 77 (2020)	No
Safety	Rear marking plates for heavy and long vehicles	VSTD 79 (2017)	
Safety	Requirement for Brake Assist Systems (BAS)	VSTD 84 (2020)	No
Safety	Requirement for Stability Control Systems (ESC)	VSTD 85 (2020)	No
Safety	Prevention of fire risks in the event of a rear impact	VSTD 86 (2025)	No
Safety	Requirement for the installation of fuel tanks	VSTD 87 (2025)	No
Safety	Requirement for Anti-Theft Parts Marking (ATPM)	Art 17-1 Item 2 RTSRG (Road Traffic Safety Regulations Governing)	No
Safety	Requirements for the labelling of safety belts	Vehicle Safety Type Approval Management Regulation	No



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirement for information and communication systems (entertainment systems)	VSTD 2 Chapter 2.7.7 (2013)	
Technical	Requirement for installation of turning and vicinity lights	VSTD 3-3	
Technical	Requirements for the installation of lighting and light-signalling devices	VSTD 3-4 (2018 / 2020)	
Technical	Static braking	VSTD 4	
Technical	Amendment of sound pressure level	VSTD 9-2 (2021)	
Technical	The thermal-insulation protection device of exhaust system for motorcycles	VSTD 12	
Technical	The requirement regarding the passenger hand-holds of motorcycles	VSTD 14	
Technical	Payload metre	VSTD 15	
Technical	Digital tachograph	VSTD 16-1	
Technical	Static strength of coupling devices for trailer towed by small vehicles	VSTD 17	
Technical	Static strength of luggage racks for small vehicles	VSTD 18	
Technical	Requirement to horn	VSTD 21-1 (2021)	
Technical	Requirements for indirect vision	VSTD 23-1 VSTD 23-2	
Technical	Requirement for security glazing	VSTD 25-2 (2016) VSTD 25-3 (2021)	
Technical	Requirements for devices for indirect vision	VSTD 27 (2013)	
Technical	Requirements for incandescent lamps	VSTD 29 (2019)	
Technical	Requirements for automotive headlamps with gas discharge light sources	VSTD 30-2 (2019)	
Technical	Requirements for direction indicator lamps	VSTD 31 (2019)	
Technical	Requirements for front fog lamps	VSTD 32-2 (2019)	
Technical	Requirements for reversing lights	VSTD 33 (2019)	
Technical	Requirements for front position lamps	VSTD 34 (2019)	
Technical	Requirements for rear lights	VSTD 35 (2019)	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Requirements for parking lights	VSTD 36 (2019)	
Technical	Requirements for brake lights	VSTD 37 (2019)	
Technical	Requirements for high mounted brake lights	VSTD 38 (2019)	
Technical	Requirements for clearance lights	VSTD 39 (2019)	
Technical	Requirements for side marker lamps	VSTD 40-1 (2019)	
Technical	Requirements for retro-reflectors	VSTD 41-1 (2019)	
Technical	Requirements for headlamps (excluding gas discharge lamps)	VSTD 52-2 (2019)	
Technical	Requirements for rear fog lamp	VSTD 53 (2019)	
Technical	Requirements for adaptive headlamp systems	VSTD 59-1 (2019)	
Technical	The installation of the mechanical coupling device or component	VSTD 61	
Technical	Mechanical coupling device or component	VSTD 62	
Technical	Low floor vehicle	VSTD 63	
Technical	Requirement for maneuvering lights	VSTD 69 (2014)	
Technical	Requirement for daytime running lights	VSTD 73 (2019)	
Technical	Requirements for LED light sources	VSTD 74 (2019)	
Technical	Specifications of a vehicle fuel system incorporating the compressed hydrogen storage system	VSTD 81 (2017)	
Technical	Specifications of the compressed hydrogen storage system	VSTD 82 (2017)	
Technical	Specifications of specific components for the compressed hydrogen storage system	VSTD 83 (2017)	
Technical	Specifications of a vehicle fuel system incorporating the compressed hydrogen storage system L	VSTD 88 (2020)	
Technical	Specifications of the compressed hydrogen storage system L	VSTD 89 (2020)	
Technical	Specifications of specific components for the compressed hydrogen storage system L	VSTD 90 (2020)	
Environment	Requirement for acoustic warning devices	VSTD 2 (2107)	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	The inspection requirement of fuel system for Liquefied Petroleum Gas (LPG) vehicles	VSTD 5	
Environment	The inspection requirement of fuel system for Compressed Natural Gas (CNG) vehicles	VSTD 6	
Environment	Requirement for Acoustic Vehicle Alerting System (AVAS)	VSTD 80 (2021)	No
Environment	Introduction Worldwide Harmonised Light Vehicles Test Procedure (WLTP) for petrol and diesel + Real Driving Emissions (RDE) only for diesel	DOH Order 1980-06-05 (No 281151) EPA Order 2017-04-27 (No 1060030141)	No
Environment	Introduction WLTP + RDE / driving resistance determination	DOH Order 1980-06-05 (No 281151) EPA Order 2017-04-27 (No 1060030141)	No
Environment	External noise Taiwan	EPA Order 2004-10-06 (No 0930066337D) EPA Order 2018-01-22 (No 107000499A)	
Environment	Requirement for consumption regulation	Regulation A Regulation B	No
Environment	Labelling requirement for banned substance (RoHS) (possible in combination with BSMI certification)	CNS 15663	
Mixed	The applicable motor vehicle category for vehicle inspection and testing	VSTD 1	
Mixed	Airbag warning label for sun visor	VSTD 2 Chapter 2.8 (2017)	
Mixed	Installation requirements of pay load metre	VSTD 10	
Mixed	The installation requirement of turning and reversing audible warning device	VSTD 11	
Mixed	Requirements for speedometers	VSTD 22-1 (2018)	No
Mixed	Requirements for Electromagnetic Compatibility (EMC)	VSTD 56-3 (2020)	No
Mixed	Requirements for electric vehicles	VSTD 64-1 (2021)	No
Mixed	Requirements for overspeed governor (optional for M1 and N1)	VSTD 76 (2020)	No
Mixed	External projections (commercial vehicles)	VSTD 78 (2019)	
Mixed	Implementation guideline type approval for vehicle safety	960110	No
Mixed	Requirement for the designation of the vehicle type in the component approval	-	No
Mixed	Safety requirement for telecommunication and infotainment systems	G / TBT / N / TPKM / 308 / Add.1 v. 23.07.2018	No



Israel

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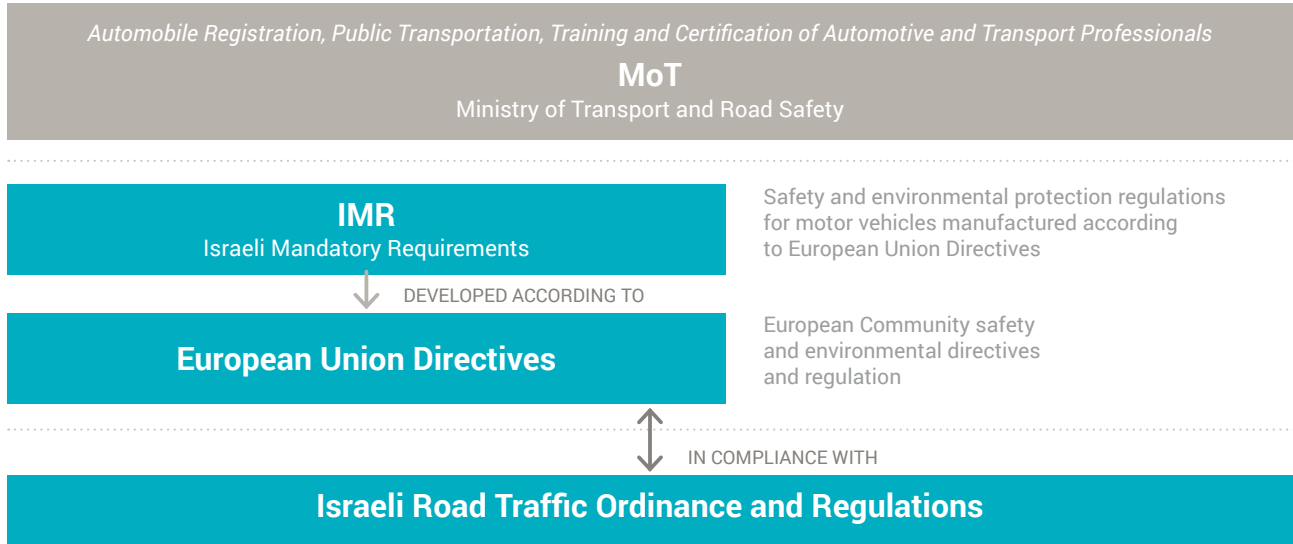
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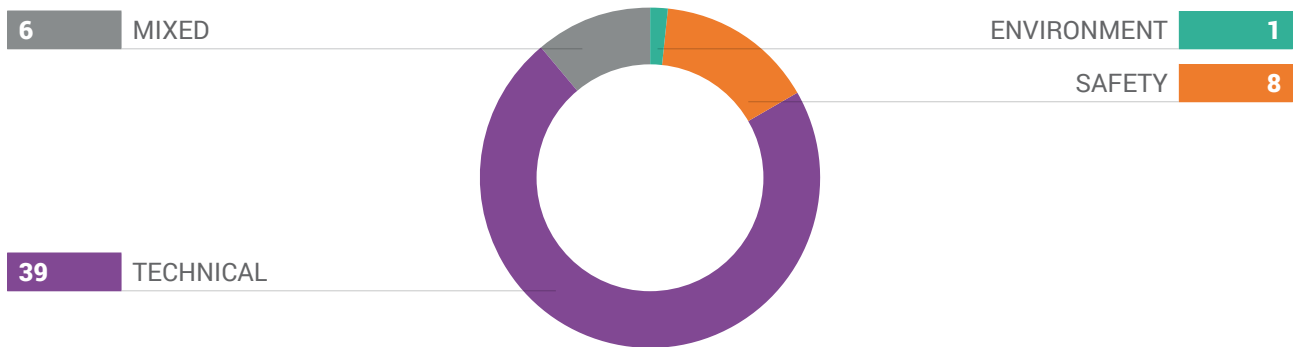


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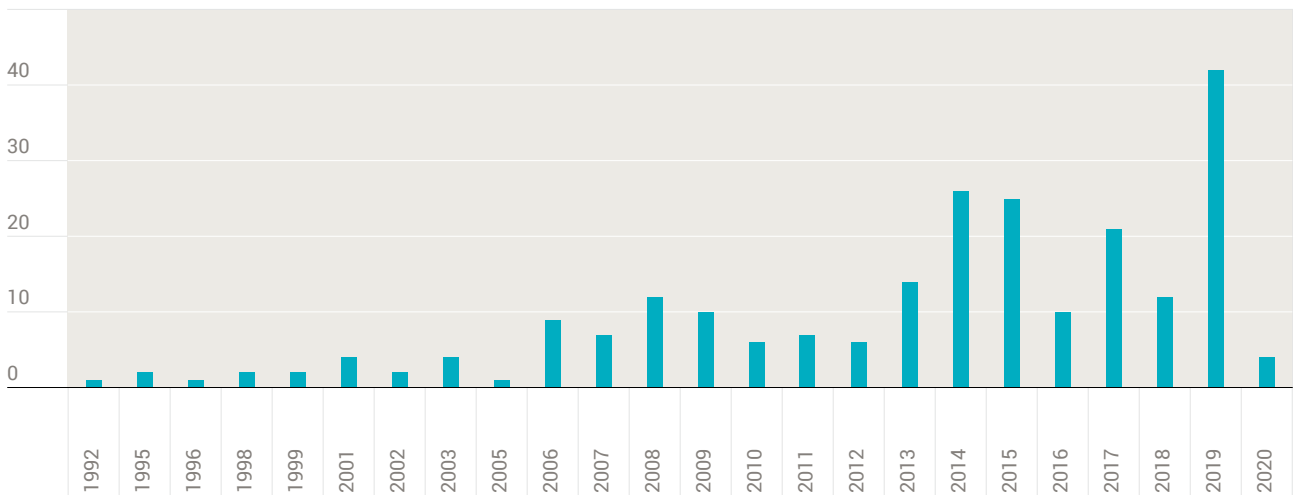


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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Flammability of interior materials or burning behaviour of materials used in the interior construction (M, N category)	(EC) No 661 / 2009 ECE118 FMVSS 302 amended by (EU) No 2019 / 543	
Safety	Head restraints of seats (N1, N2 category)	Israeli Road Traffic Ordinance and Regulations – §355 (c)	
Safety	Safety chains (O category)	Israeli Road Traffic Ordinance and Regulations – §375	
Safety	Devices to prevent unauthorised use (Anti-Theft, Immobilizer and Alarm system) (M, N category)	74 / 61 / EEC	
	Devices to prevent unauthorised use (Anti-Theft, Immobilizer And Alarm System) (M1, N1 category)	ECE 116	
	Devices to prevent unauthorised use (Anti-Theft, Immobilizer and Alarm system) (M2, M3, N2, N3 category)	ECE 18	
Technical	Retarder (Endurance Braking System) (M3, N2, N3 category)	(EC) No 661 / 2009 ECE 13 amended by Commission Regulation (EU) 2019 / 543	
Technical	Recording equipment in road transport (Tachograph) (M3, N2, N3 category)	3821 / 85 / EEC 165 / 2014 / EEC amended by (EU) 2016 / 130, (EU) No 2018 / 502	
Technical	On-Board Weighing (OBW) (M2, M3, N2, N3, O3, O4 category)	Directive 96 / 53 / EC Amended by Regulation (EU) 2019 / 1213	
Technical	Retractable axle (N2, N3, O4 category)	(EC) No 661 / 2009 amended by 1230 / 2012 / EC	
Technical	Electronic Stability Control (ESC) Systems (M, N, O3, O4 category)	(EC) No 661 / 2009 ECE 13 ECE 13H	
Technical	Temporary use of spare wheel and tyre unit and run flat tyres (M1, N1 category)	ECE 64	
Technical	Tank vehicle rollover stability (N2, N3, O3, O4 category)	ECE 111	
Technical	Fuel type Unleaded gasoline (M, N category)	Israeli Std 90 Part 2	
	Fuel type Diesel engines (M, N category)	Israeli Std 107 Part 1	
Technical	Air conditioner (M, N category)	Israeli Road Traffic Ordinance And Regulations 364 (c)	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Electrical connectors of towing and towed vehicles (15 Pole) (N2, N3, O3, O4 category)	ISO 12098	
	Electrical connectors of towing and towed vehicles (13 Pole) (M, N category)	ISO 11446	
Technical	ABS electrical connection (N2, N3, O3, O4 category)	ISO 7638	
Technical	Air dryer on brake system (M3, N2, N3 category)	Israeli Requirement	
Technical	Distribution of braking effort among vehicle axles according to axle load (N2, N3, O3, O4 category)	(EC) No 661 / 2009 ECE-13, amended by 2013 / 15 / EU	
Technical	Buses – Additional requirement (M2, M3, N3 category)	Israeli Mandatory Requirements for Buses (IMRFB) 08919318 June 2018	
Technical	Rear window defroster (M1 category)	Israeli Road Traffic Ordinance and Regulations – §357 (A)	
Technical	Fenders (Wings) (O1, O2 category)		
Technical	Automotive air brake line couplers (N2, N3, O3, O4 category)	SAE J318 ISO 1728	
Technical	Reversing – Buzzer (M2, M3, N3, O4 category)	SAE J994 JSAE JASO D901	
Technical	Vehicle Identification Number (VIN) (M, N category)	ISO 3779	
Technical	Motor vehicles and trailers intended for the transport of dangerous goods (N, O3, O4 category)	(EC) No 661 / 2009 ECE 105	
Technical	Automotive Compressed Natural Gas (CNG) - quality specification (M, N category)	Israeli Std 6119	
Technical	Speed limiter (M3, N2, N3 category)	Israeli Road Traffic Ordinance and Regulations – §364e	
Technical	Electric vehicles Electric vehicle conductive charging system : general requirements (M, N category)	Israeli standard 61851-1	
Technical	Electric vehicles Electrical cord extension set used for the connection between the vehicle and the charging station (M, N category)		
Technical	Plug-in hybrid vehicles Electric vehicle conductive charging system: general requirements (M, N category)	Israeli standard 61851-1	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Plug-in hybrid vehicles Electrical cord extension set used for the connection between the vehicle and the charging station (M, N category)		
Environment	Electric vehicles Energy consumption and range (M1, N1 category)	ECE 101	
Mixed	Type approval of motor vehicles and their trailers (M, N, O category)	2007 / 46 / EC amended by (EC) No 661 / 2009	
	Type approval of motor vehicles and their trailers (M, N, O category)	(EU) 2018 / 858 amended by (EC) No 661 / 2009 up to (EU) No 2019 / 2144	
Mixed	Electric vehicles External identification markings (in addition to the markings displayed by the manufacturer) (M, N category)		
Mixed	Plug-in hybrid vehicles External identification markings (in addition to the markings displayed by the manufacturer) (M, N category)		



GSO

GCC Standardisation Organisation

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GSO facts

Established in 2005, the Gulf Standardisation Organisation (GSO) is a standardisation organisation and regulatory body for the Gulf Cooperation Council (GCC), whose members include all the Arab Gulf states (except Iraq).

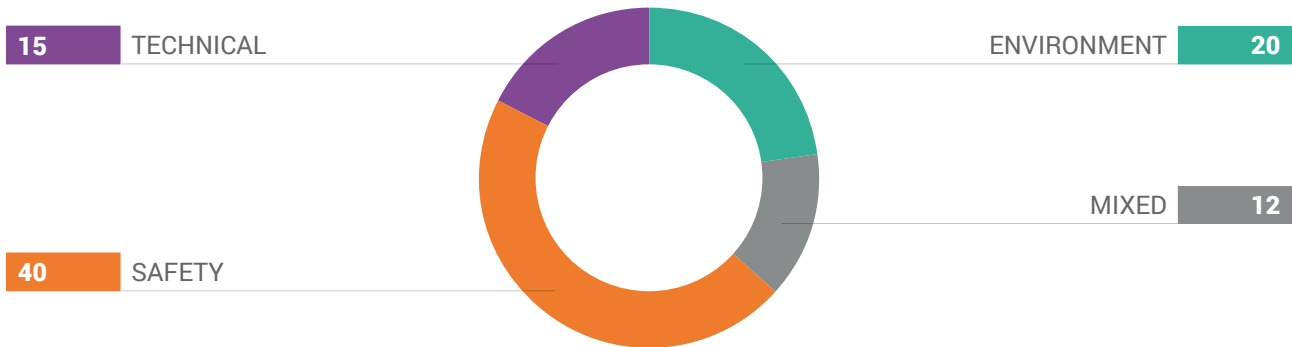
Yemen is currently in negotiations for future GCC membership, and adheres to the Technical Regulations adopted by the GCC countries.

GSO MEMBERS

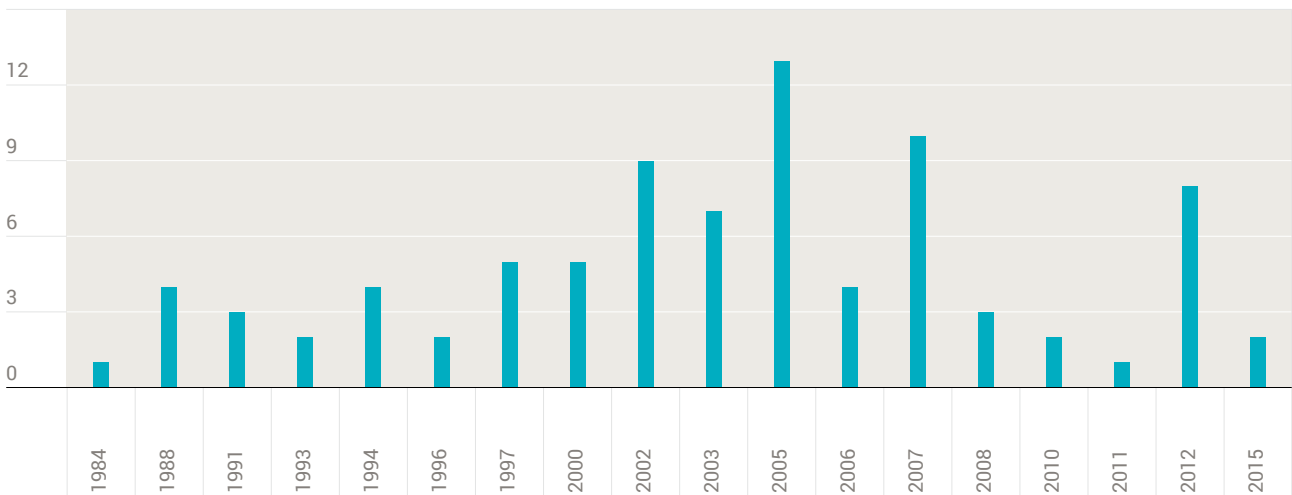
<p>QS Qatar General Organisation for Standardisation</p>	<p>BSMD Bahrain Standards and Metrology Directorate</p>
<p>KOWSMD Kuwait Standards and Industrial Services Affairs</p>	<p>ESMA Emirates Authority for Standardisation and Metrology</p>
<p>SASO Saudi Standards, Metrology and Quality Organisation</p>	<p>DGSM Oman Directorate general for Specifications & Measurements</p>

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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Methods of testing for lead-acid starter batteries used for motor cars and internal combustion engines	GSO 35:2007	
Safety	Methods of testing for impact strength Part 1: Frontal impact	GSO 36:2005	
	Part 2: Rear impact	GSO 37:2012	
	Part 3A: Side impact	GSO 38:2005	
	Part 3B: Moving barrier side impact	GSO 1707:2005 (In accordance to US standards)	
	Part 3C: Moving barrier side impact	GSO 1708:2005 (In accordance to European standards)	
	Part 4: Roof strength	GSO 39:2005	
Safety	Front and rear exterior protection devices for passenger cars (bumpers, etc) and its methods of testing	GSO 41:2007	
Safety	Conformity certificates	GSO 48:1984	
Safety	Tyres	GSO 42:2015	
	Passenger car tyres Part 3: Methods of testing	GSO 53:2007	
	Passenger car tyres Treadwear, traction and temperature-resistance grading	GSO 1783:2006	
	Passenger car tyres Method of testing of tyre temperature resistance grading	GSO 1784:2006	
	Multi-purpose vehicles, trucks, buses and trailers tyres Part 2: Method of testing	GSO 646:1996	
	Motor vehicles tyres Temporary use spare wheel / Tyres and their methods of testing	GSO 1052:2000*	
Safety	Methods of testing of safety belt	GSO 96:1988	
	Safety belts	GSO 97:1988	
Safety	Flammability of interior materials and testing methods	GSO 98:1988	

* Applicable for certification if the vehicle is designed for the seven Gulf countries
 ** Not applicable for certification



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Methods of testing for engine radiator	GSO 135:2007	
Safety	Instruction manual for appliances instruments and equipment	GSO 290:1994	
Safety	Methods of testing for door locks and door hinges	GSO 419:1994 GSO 420:1994	
Safety	Methods of testing of rear-view mirrors	GSO 421:2005	
Safety	Safety glasses - Test methods for optical properties	GSO ISO 3538:1997	
	Safety glazing materials - Mechanical tests	GSO ISO 3537:2008	
	Laminated safety glass	GSO 1677:2003	
Safety	Protection against theft	GSO 1053:2000	
Safety	Head lamps safety requirements	GSO 1503:2010	
Safety	Speed limiters Part 3: Methods of testing	GSO 1626:2002*	
Safety	Head restraints and their methods of testing	GSO 1598:2002	
Safety	Child restraint systems	GSO 1709:2005*	
	Methods of testing of child restraint systems	GSO 1710:2005*	
Safety	Methods of testing for braking system Part 1: Braking performance	GSO ECE-13H-1:2012	
	Part 2: Determination of capacity of energy storage devices	GSO ECE-13H-2:2012	
	Part 3: Determination of distribution of braking among the axles of vehicles	GSO ECE-13H-3:2012	
	Part 4: Determination of function of anti-lock systems	GSO ECE-13H-4:2012	
	Part 5: Determination of performance of brake lining using inertia dynamometre	GSO ECE-13H-5:2012	
	Part 6: Determination of coefficient of adhesion	GSO ECE-13H-6:2012	
Safety	Retro reflective number plates and its methods of testing	GSO 289:1994**	

* Applicable for certification if the vehicle is designed for the seven Gulf countries
 ** Not applicable for certification



Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Safety requirements for maintenance and repair workshop	GSO 674:1997**	
Safety	Safety requirements for pilgrim buses	GSO 967:1997*	
Technical	Periodic technical inspection manual	GSO 971:1997**	
Technical	Speed limiters Part 1: General limiters, equipment inspection, certification and type approval	GSO 1711:2005	
Technical	Methods of testing brake linings Part 1: Internal shear strength of lining material	GSO ISO 6311:2005**	
Technical	Requirements for storage of motor vehicles tyres	GSO 581:2007**	
Technical	Lead-acid starter batteries used for motor cars and internal combustion engines	GSO 34:2007	
Technical	Impact strength	GSO 40:2011	
Technical	Sound signalling devices Technical specifications	GSO 99:1988	
Technical	Engine radiator	GSO 136:2007	
Technical	Rear-view mirrors	GSO 422:2005	
Technical	Speed limiters Part 2: Technical requirements	GSO 1625:2002*	
Technical	Engine test code – Net power	GSO ISO 1585:2008	
Technical	Braking system of passenger cars and multi-purpose vehicles	GSO ECE-13H:2012	
Technical	Passenger car tyres Part 1: Nomenclature, designation, dimensions, load capacities and inflation pressures	GSO 51:2007	
Technical	Part 2: General requirements	GSO 52:2007	
Technical	Part 3: Methods of testing	GSO 53:2007	
Environment	Allowable limits of pollutants emitted to the atmosphere from heavy-duty diesel engine vehicles	GSO 144:1991	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Methods of testing for pollutants emitted from heavy-duty diesel engine vehicles Part 1: Determination of exhaust gaseous pollutants	GSO 145:1991	
	Part 2: Determination of smoke	GSO 146:1991	
Environment	Allowable limits of pollutants emitted to the atmosphere from light-duty diesel engine vehicles	GSO 1040:2000	
Environment	Methods of testing for pollutants emitted from light-duty diesel engine vehicles Part 1: Determination of exhaust gaseous pollutants	GSO 1041:2000	
	Part 2: Determination of smoke	GSO 1042:2000	
Environment	Noise emissions	GSO 1624:2002	
Environment	Allowable limits of gaseous pollutants emitted to the atmosphere from unleaded gasoline vehicles	GSO 1680:2003	
	Methods of testing for gaseous pollutants emitted from unleaded gasoline engine vehicles Part 1: Determination of exhaust gaseous pollutants after a cold start	GSO 1681:2003	
	Part 2: Determination of exhaust carbon monoxide concentration	GSO 1682:2003	
	Part 3: Determination of evaporative emissions (hydro- carbons) from the fuel system using the enclosure method	GSO 1683:2003	
	Part 4: Determination of gaseous pollutants emitted from engine crankcase	GSO 1684:2003	
Environment	Full-flow lubricating oil filters for internal combustion engines Dimensions	GSO 1605:2002**	
Environment	Methods of testing for full-flow lubricating oil filters for internal combustion engines Part 6: Static burst pressure test	GSO ISO 4548- 6:2002**	
Environment	Methods of testing for full-flow lubricating oil filters for internal combustion engines Part 1: Differential pressure flow characteristics	GSO ISO 4548-1:2002**	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Part 2: Element by-pass valve characteristics	GSO ISO 4548- 2:2002**	
Environment	Part 3: Resistance to high differential pressure and to elevated temperature	GSO ISO 4548- 3:2002**	
Mixed	All motor vehicles (either 2020 MY or 2021 MY) to be exported to GSO member countries are required to upload their Vehicle Identification Number (VIN) in ECCS	starting from 01.01.2020	
Mixed	VIN requirements	GSO 1780:2010	
Mixed	VIN Location and attachment	GSO 1782:2008	
Mixed	World Manufacturer Identifier	GSO 1781:2006	
Mixed	General requirements	GSO 42:2015	
Mixed	Dimensions and weights	GSO 159:1993	
Mixed	Multi-purpose vehicles, trucks, buses and trailer tyres Part 1: Nomenclature, designation, dimensions, load capacities and inflation pressures	GSO 645:2005	
Mixed	Multi-purpose vehicles, trucks, buses and trailer tyres Part 3: General Requirements	GSO 647:1996	
Mixed	Conformity certificates for vehicles manufactured in multi-stages	GSO 153:1993	
Mixed	Car upholstery Testing methods of fabric for car seats	GSO 279:2005**	
Mixed	Car upholstery Fabric for car seats	GSO 280:2005**	
Mixed	General requirements for ambulances	GSO 963:1997*	
Mixed	Draft regulation for electric vehicles	GSO 02/01/FDS/ SCT2	

* Applicable for certification if the vehicle is designed for the seven Gulf countries
 ** Not applicable for certification



Iraq

AUTOMOTIVE REGULATORY GUIDE

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National regulations
in addition to GSO regulations



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MINISTRY AND REGULATORY AUTHORITIES

LAW NO 54 OF 1979

Independent government agency

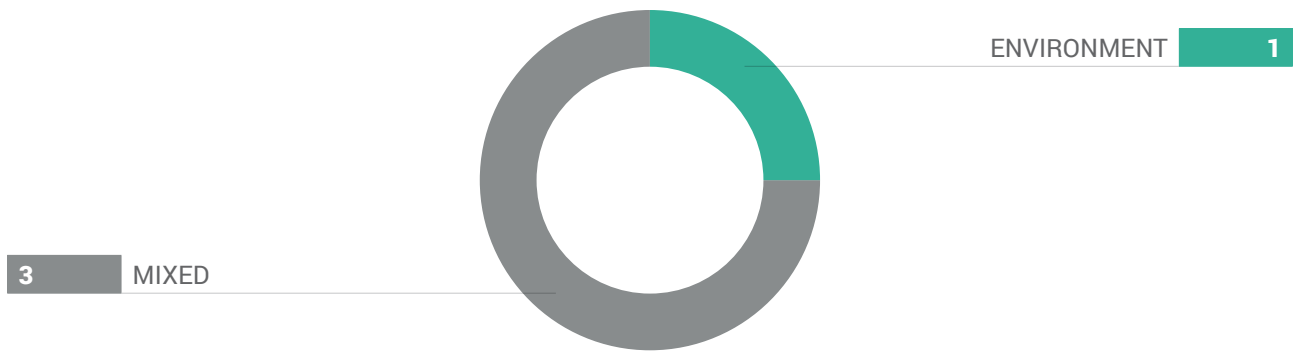
COSQC
Central Organisation for Standardisation and Quality Control

Quality control and standardisation
Maintains relationships with international standards organisations

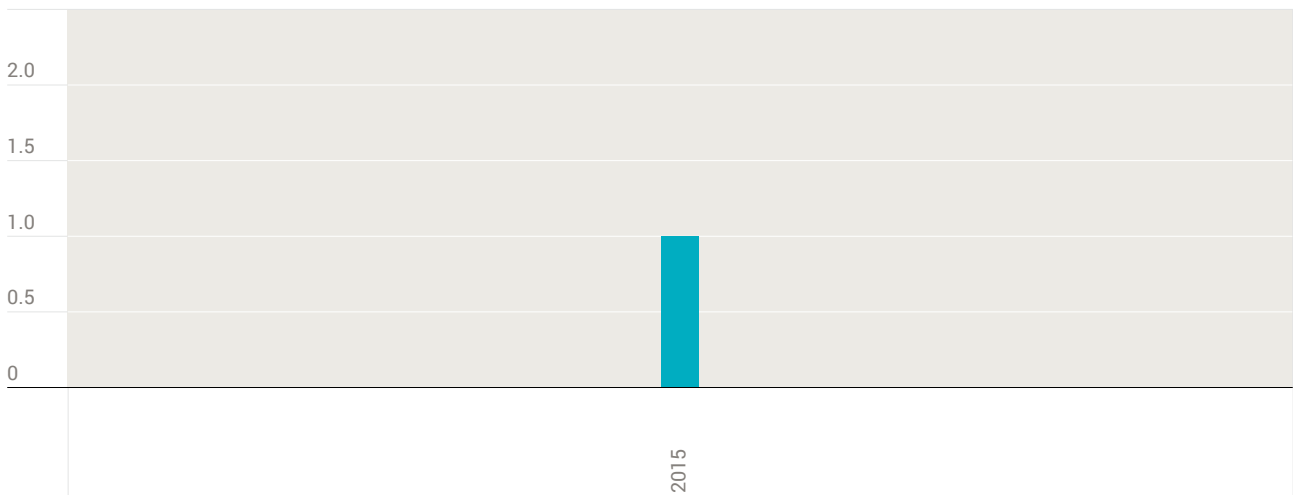
IQS Iraq Standard

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA

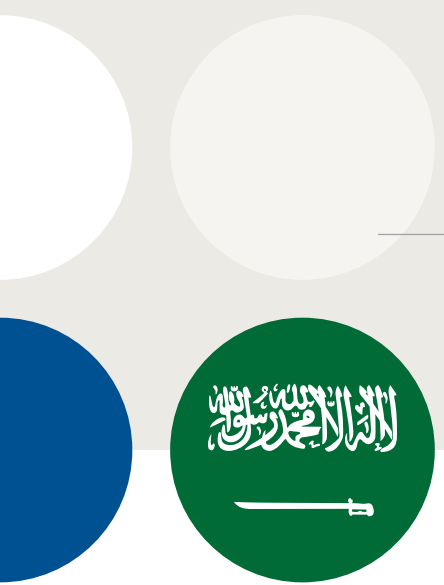


YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Requirement for exhaust outlet pipes	IQS 2315 / 2015 Art 11	No
Mixed	Mandatory equipment with extinguisher	IQS 2315 / 2015 Art 37.2 IQS 2315 / 2015 Art 37.6	
Mixed	Mandatory equipment with first aid kit (DIN 13164 ex works)	IQS 2315 / 2015 Art 37.4 IQS 2315 / 2015 Art 37.633957	
Mixed	Requirements for certification plate and chassis number	IQS 2315 / 2015	No



Saudi Arabia

AUTOMOTIVE REGULATORY GUIDE

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National regulations
in addition to GSO regulations



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MINISTRY AND REGULATORY AUTHORITIES

SASO Saudi Standards, Metrology and Quality Organisation

ACTIVITIES

Gulf Activity:

Gulf Standardisation Organisation (GSO)

Arab Activity:

Arab Industrial Development and Mining Organisation (AIDMO)

International Activities:

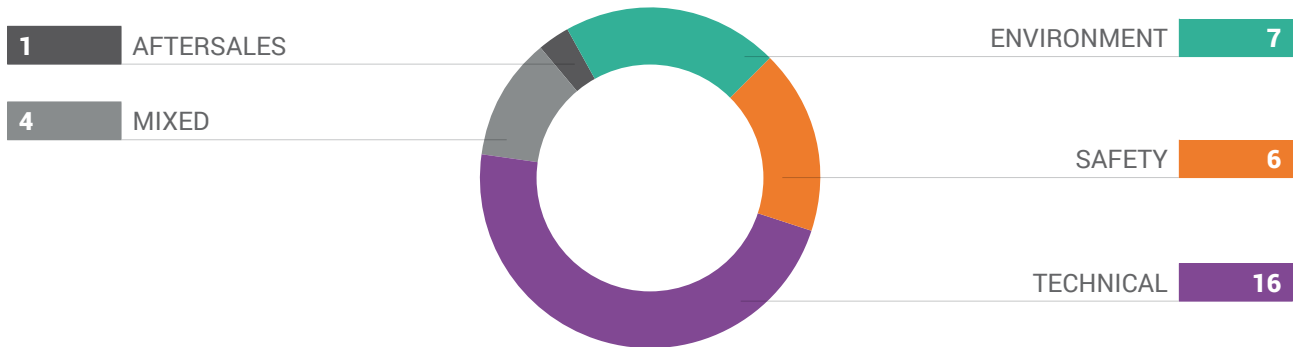
International Organisation for Standardisation (ISO)

International Organisation of Legal Metrology (OIML)

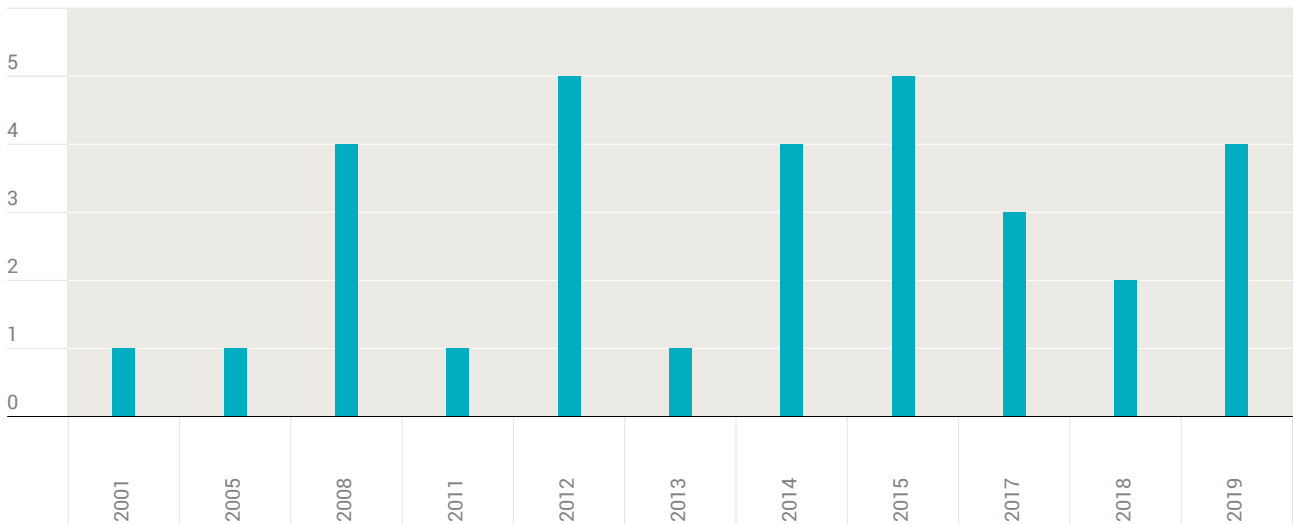
International Electrotechnical Commission (IEC)

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Vehicle tyres rolling resistance and wet grip requirements	SASO 2857:2015	
Safety	Safety requirements for school busses	SASO GSO 2501:2017	
Safety	Front Underrun Protective Devices (FUPD) in trucks and its methods of testing	SASO GSO 2112:2012	
Safety	Lateral protection of truck and trailer and its methods of testing	SASO GSO 2113:2012	
Safety	Rear Underrun Protective Devices (RUPD) in truck and trailer and its methods of testing	SASO GSO 2114:2012	
Safety	Road vehicles safety glazing materials test methods for resistance to radiation, high temperature, humidity, fire and simulated weathering	SASO ISO 3917:2012**	
Safety	Automatic Emergency Call Systems (AECS) / eCall	SASO DRAFT 000000 / 2020	
Safety	Electrical safety	MA-166-18-04-01	
Technical	Methods of test for full-flow lubricating oil filters for internal combustion engines Part 5: Cold start simulation and hydraulic pulses durability test	SASO ISO 4548-5:2014**	
Technical	Part 9: Inlet and outlet anti drain valve test	SASO ISO 4548-9:2008**	
Technical	Part 12: Filtration efficiency using particle counting, and contaminant retention capacity	SASO ISO 4548-12:2008**	
Technical	Brake linings Compressive strain test method	SASO ISO 6310:2014**	
Technical	Brake linings Shear test procedure for disc brake pad and drum brake shoe assemblies	SASO ISO 6312: 2014**	
Technical	Brake linings Effects of heat on dimensions and form of disc brake pads – test procedure	SASO ISO 6313: 2005**	
Technical	Passenger car tyres and rims Part 2: rims	SASO GSO ISO 4000-2: 2008**	
Technical	Truck and bus tyres and rims (metric series) Part 2: Rims	SASO GSO ISO 4209-2:2012**	
Technical	Light alloy wheels - Impact test	SASO ISO 7141:2015**	
Technical	Road vehicles wheels/rims for commercial vehicles Test methods	SASO ISO 3894:2015**	



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Road vehicles passenger car wheels for road use Test methods	SASO GSO ISO 3006:2008**	
Technical	Requirement for security glazing, regulation of transparency / transmittance mandatory exclusion of SA 761, SA RG5 and SA 420	GSO for MJ 2017	No
Technical	Technical regulation for lubricating oils (brake fluid, automatic transmission fluid)	SASO TR 01-03-16-155	
Technical	Technical regulation for auto spare parts (new spare parts for motor vehicles except tyres, vehicles batteries and safety barriers)	SASO TR 02-04-17-162	Yes
Technical	Requirement for navigation system's language (Arabic and English)	SASO 9500	No
Technical	Specification for Digital Audio Broadcasting (DAB), Digital Video Broadcasting (DVB) and Digital Radio Mondiale (DRM) broadcasting receivers	SASO / CITC RI 109:2013*	
Technical	Technical specifications of the radio, digital and analog broadcasting receiver for AM / FM / T-DAB+	SASO 2938:2019 obligatory starting from 01.0.2021 on all broadcast receivers	
Technical	Specification for non-specific short- range devices and ancillary equipment	SASO / CITC RI 054:2019*	
Technical	Technical regulations for electric batteries	M.A.-166-18-04-02	
Technical	Technical regulation for low voltage electric equipment and appliances (Certain electrical and electronic devices (AC 50-1000V or DC 75-1500V))	BD-142004-01 TC-143307-01	
Environment	Fuel filters for diesel engines - Test methods	SASO ISO 4020:2011 **	
Environment	Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing	SASO ISO 5011:2015**	
Environment	Requirement for fleet consumption regulation	SASO Standard 29242 / 2014	No
Environment	Fuel economy labeling requirements for new light-duty vehicles	SASO 2847:2017 Amd 1: 2018	
Environment	Saudi Arabia corporate average fuel economy standard (Saudi Cafe) for incoming light-duty vehicles (2016 – 2020) CO2 and fleet consumption Phase I – Upstream emissions	SASO 2864:2015 + Amd 1: 2018	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	CO2 and fleet consumption Phase II	SASO 2864:0000	
Environment	Energy efficiency requirements for all pneumatic tyres	SASO TR 05-03-16-156	
Mixed	General requirements	SASO 1438 / 2001	No
Mixed	Requirements for lead starter batteries	SASO 1919 SASO 1920	
Mixed	Requirements for transmission standards	SASO / FDS / 31597:2019	
Mixed	Electric vehicles (EV with a weight not exceeding 3,500kg and speed not exceeding 25km/h)	SASO TR 03-01-17-162 SASO TR for EV 2020	
Mixed	Degradable plastic products	SASO TR 03-03-16-156	
Aftersales	SABER – Certificate of conformity and certificate of shipment conformity Effective as of 01.11.2019		



United Arab Emirates

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National regulations
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MINISTRY AND REGULATORY AUTHORITIES

FEDERAL LAW NO 28 OF 2001

Federal Authority - Sole National Standardisation Body For The United Arab Emirates

ESMA

Emirates Authority for Standardisation and Metrology

MEMBER OF GSO, ISO & IEC

grants **EQM** (Emirates Quality mark (voluntary))

supervises **ECAS**
(Emirates Conformity Assessment Scheme)

accredits **CABs** (Conformity Assessment Bodies)

oversees the UAE's
System for Measurement & Calibration

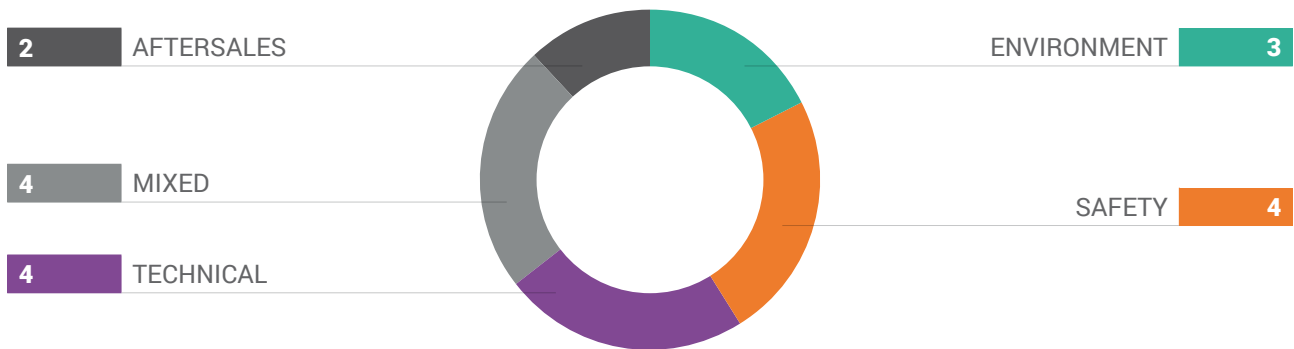
produces **technical regulations** (mandatory) specifications and requirements for regulated products and / or processes including applicable administrative provisions

formulates and issues **national standards** (not mandatory)

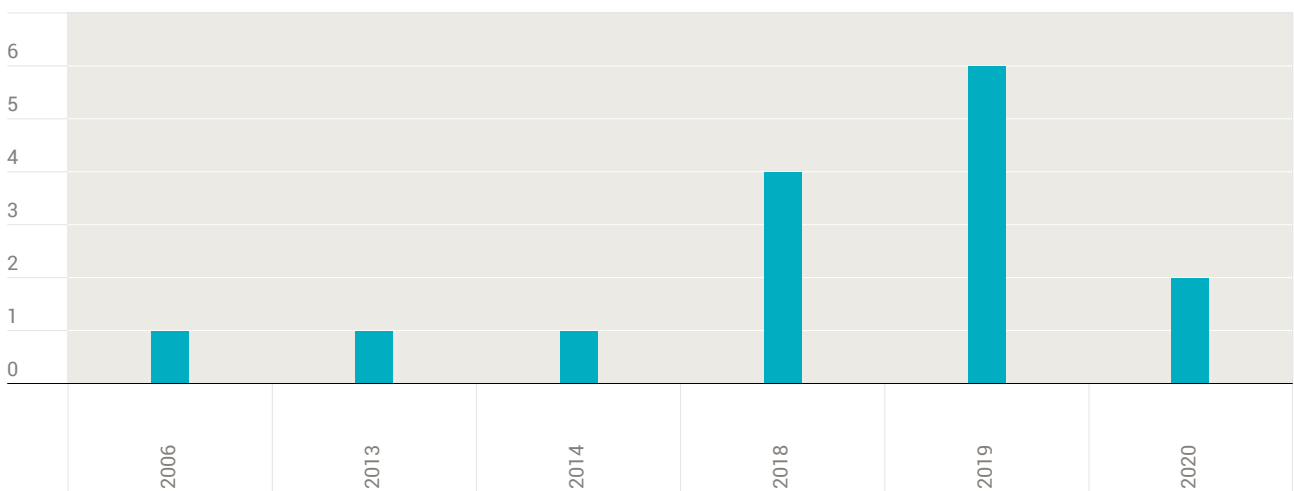
adopts **international standards and mandatory standards** issued via binding resolutions of the UAE's Council of Ministers

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Seat requirements Passenger cars and multipurpose vehicles (tower back type or equipped with adjustable head restraints (except 2 rear center seat))	UAE Notification via ECCS 30.04.2020	
Safety	Front and rear outboard seats Three-point safety belts for passenger cars and multi-purpose vehicles	UAE Notification GSO Model Year 2021 requirements 11.12.2019	
Safety	Vehicle lighting requirements Front / Rear fog lamp mandatory for vehicles from model year 2025	UAE Notification GSO Model Year 2021 requirements 15.06.2020	
Safety	Speed limiting devices Busses with less than 22 seats with maximum speed of 100km/h	UAE Notification via GSO Model Year 2021 requirements 11.12.2019	
Technical	eCall will be tested by GSO on all new types starting from 2021 model year.	UAE.S 5019: 2018	
Technical	Use of repair kit as an alternative to the spare tyre For special sports design and electric vehicles and hydrogen fuel cell vehicles	UAE Notification GSO Model Year 2021 requirements 11.12.2019	
Technical	Automated driving system	DRAFT In Discussion	
Technical	UAE Terrestrial radio receiver specifications for AM / FM / DAB+	UAE.S 5021:2018	Yes
Environment	Uniform provisions for the measures against the emission of gaseous and particulate pollutants from compressing-ignition engines and positive ignition engines of vehicles.	UAE.S ECE No 49 / 2013	
Environment	Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements	UAE.S ECE No 83 / 2006	
Environment	Euro VI exhaust emission pollutant limits from vehicles model year 2025	UAE Notification GSO Model Year 2021 requirements 11.12.2019 Until GSO regulation is not updated, must comply with ECE R49 Rev6 ECE R83 Rev5	



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Requirement for digital terrestrial television receiver	UAE.S 5017:2014	No
Mixed	Requirements for transmission standards	UAE.S 5021:2018	
Mixed	Requirements for manufacturer certification of electric vehicles	ESMA Electric Vehicle Label Requirements	
Mixed	Emirates conformity certificate and Compliance Label for Electric Vehicle certified by Emirates Authority for Standardisation and Metrology (ESMA)	UAE Notification GSO Model Year 2021 requirements 11.12.2019	
Aftersales	Regulation telecommunication equipment Type approval regime 2.0, dt: 02.10.2018	Effective as of 01.10.2019	Yes
Aftersales	Emirates Conformity Assessment Scheme (ECAS) and marking for control of motor vehicle spare parts	Cabinet resolution No 12 year 2018 Circular to all manufacturers, traders, suppliers and point of sale 26.11.2018 Effective as of 01.10.2019	Yes



ASEAN

Association of
Southeast Asian Nations

AUTOMOTIVE REGULATORY GUIDE

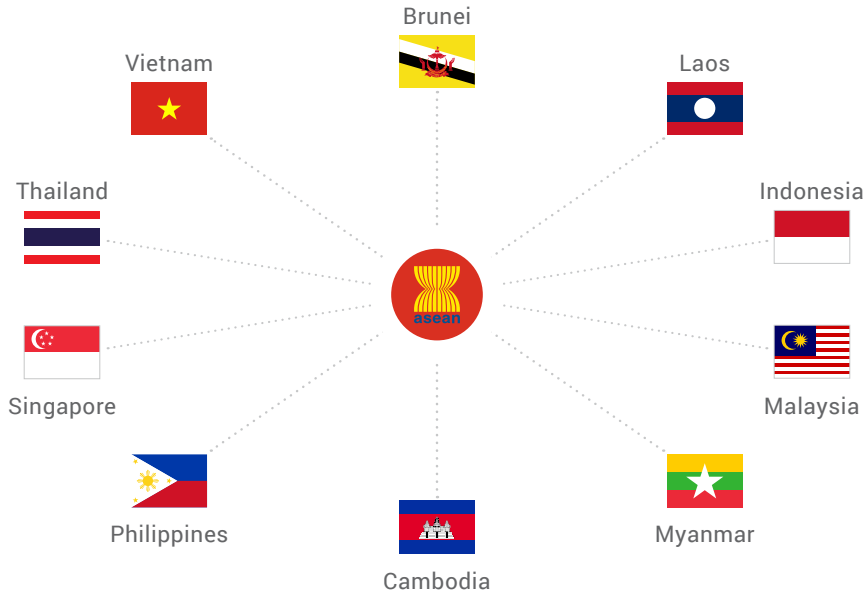
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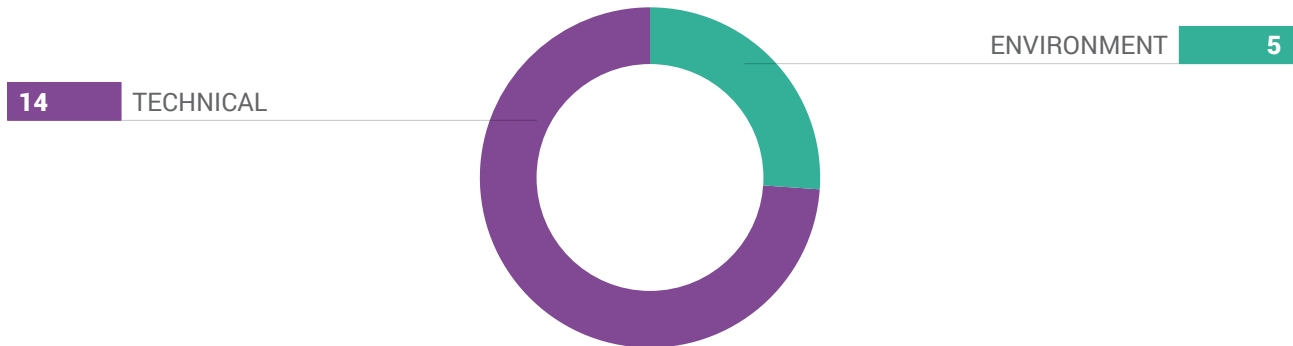


MEMBERS OF ASSOCIATION OF SOUTHEAST ASIAN NATIONS



DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



FACTS ABOUT ASEAN

2018	
TOTAL LAND AREA	4,493,516km ²
TOTAL POPULATION	649,1 million
GROSS DOMESTIC PRODUCT AT CURRENT PRICES	\$2.986
GDP GROWTH	5.2 %



Item	Subject	Regulatory Act	Applicability to spare parts
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The following regulations will be implemented in stages starting from 2021 based on ASEAN series; full harmonisation of UNR starting in 2025

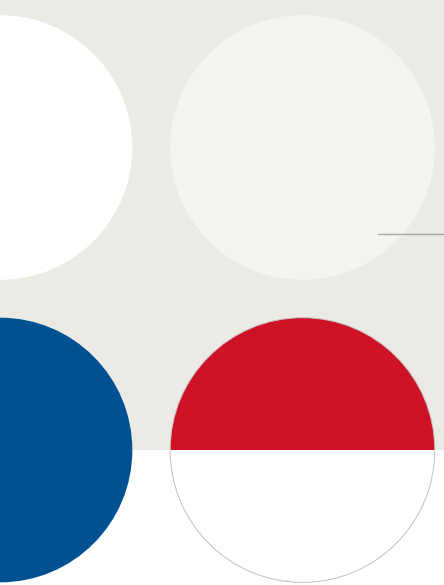
Technical	Braking system	UN R13 (planned for adoption under ASEAN MRA)	Yes
Technical	Braking system (passenger vehicles)	UN R13H (planned for adoption under ASEAN MRA)	Yes
Technical	Seats	UN R17 (planned for adoption under ASEAN MRA)	
Technical	Head restraints	UN R25 (planned for adoption under ASEAN MRA)	Yes
Technical	Speedometers (L category)	UN R39 (planned for adoption under ASEAN MRA)	Yes
Technical	Rear view mirror	UN R46 (planned for adoption under ASEAN MRA)	Yes
Technical	Steering system	UN R79 (planned for adoption under ASEAN MRA)	Yes
Technical	Audible warning device	UN R28 (planned for adoption under ASEAN MRA)	Yes
Environment	Noise (motorcycles)	UN R41 (planned for adoption under ASEAN MRA)	No
Environment	Noise emissions	UN R51 (planned for adoption under ASEAN MRA)	No

The following regulations will be implemented in stages starting from 2022; full harmonisation of UNR starting in 2027

Technical	Seat belt anchorages	UN R14 (planned for adoption under ASEAN MRA)	Yes
Technical	Seat belt	UN R16 (planned for adoption under ASEAN MRA)	Yes
Technical	Pneumatic tyres (passenger vehicles)	UN R30 (planned for adoption under ASEAN MRA)	Yes
Technical	Safety glass	UN R43 (planned for adoption under ASEAN MRA)	Yes
Technical	Pneumatic tyres (commercial vehicles)	UN R54 (planned for adoption under ASEAN MRA)	Yes
Technical	Pneumatic tyres (motorcycles)	UN R75 (planned for adoption under ASEAN MRA)	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
<p>The following regulations will be implemented in stages starting from 2023 with EURO 4 level of compliance; full harmonisation of UNR starting in 2027 (EURO 5)</p>			
Environment	Exhaust emissions (L category)	UN R40 (planned for adoption under ASEAN MRA)	No
Environment	Exhaust emissions for heavy-duty vehicles (diesel emissions)	UN R49 (planned for adoption under ASEAN MRA)	No
Environment	Exhaust emissions for light-duty vehicles	UN R83 (planned for adoption under ASEAN MRA)	No



Indonesia

AUTOMOTIVE REGULATORY GUIDE



2021

National regulations



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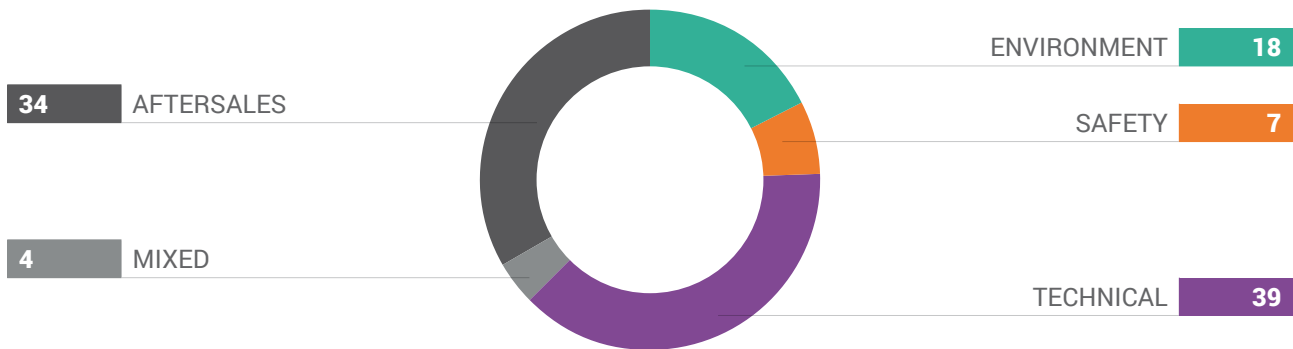
MINISTRY AND REGULATORY AUTHORITIES



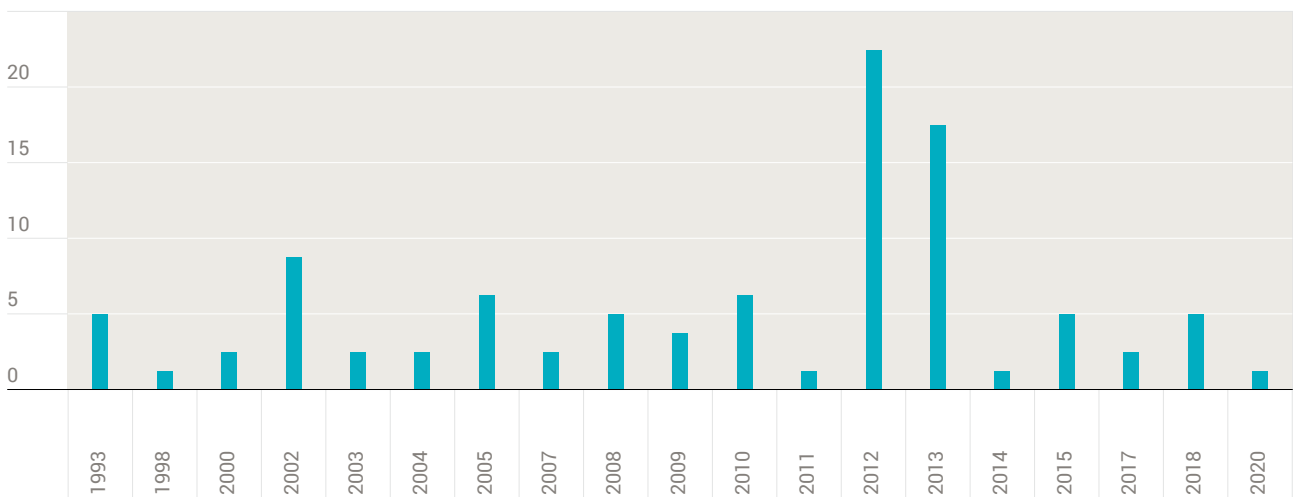
- conducted by supporting KAN (National Accreditation Body) and KSNSU (National standard committee for measuring units)
- responsible for standardisation, conformity assessment, accreditation and metrology activities

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS

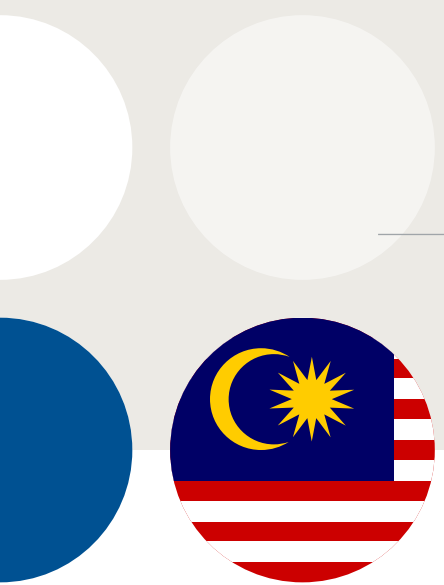




Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Audible warning device Limit Value: 90-118dB	National requirement KM No 63 / 1993 or MoEF Regulation	No
Safety	Motorised vehicle emergency response facility	KP972 / AJ502 / DRJD / 2020	No
Technical	Requirement for owner's manual in local language	8 Consumer protection laws	
Technical	Requirement for warning triangle	PM 33-2018	Yes
Technical	Braking system Brake efficiency and parking brake	National requirement KM No 63 / 1993 or MoEF Regulation	No
Technical	Speedometer -10% to 15% on speed of 50km/h	National requirement KM No 63 / 1993 or MoEF Regulation	No
Technical	Turning radius Max 12,000mm	National requirement KM No 63 / 1993 or MoEF Regulation	No
Environment	Introduction of emissions standard Euro 4 Gasoline: already implemented Diesel: starting from 01.04.2021	MoEF Reg 20 / 2018 Permen IhK No P-20 2017 Official gazette No 554 / 2017	No
Environment	Requirement for exhaust pipe position	Reg 55 / 2012	No
Environment	CO2 initiatives and fuel efficiency Focus on energy saving and conservation, also environmentally friendly	Government Regulation No 41 / 2013 as basic policy for Low Carbon Emission Vehicle Program (LCEP) (Note: For tax incentive purpose)	No
Environment	CO2 initiatives and fuel efficiency Affordable and fuel efficiency vehicles Note: Electric Vehicles (EV) movement update - EV President Regulation No 55 Year 2019 signed on 08.08.2019 and implemented on 12.08.2019 - Scope of EV is only BEV (Battery Electric Vehicle) However EV priority is for motorcycle. - No mention of elimination of Internal Combustion Engine (ICE) by 2040 - Government has been drafting the SNI (Indonesia National Standard) for EVs	Minister of Industry (Mol) Reg No 33 / 2013 Director General of Mol Reg No 25 /2013 and 29 / 2014 as technical guidance concerning production development Director General of Mol Reg No 26 / 2013 as technical guidance for verification by surveyor	No
Environment	Noise regulation	MoEF in process of implementing ECE R51.02. Implementation timelines in discussion at MoEF x GAIKINDO New type: 2 years after Gazette Existing type: 4 years after Gazette *VTCC testing facility based on UNR 51.02 will be ready in 2020	No



Item	Subject	Regulatory Act	Applicability to spare parts
Mixed	Postponement of model year code implementation	SNI 09-1411-2000	No
Mixed	Requirement for Vehicle Identification Numbers (VIN)	SNI 09-1411-2000 §5.3	No
Mixed	Mandatory equipment with first aid kit (DIN 13164 ex works)	Law 22 / 2009 Art 57 Law 22 / 2009 Art 58	Yes
Aftersales	SNI certification and marking of spare parts (rims, tyres, batteries, vehicle glazing, audio / video components)	Law 20 / 2014 (Framework regulation)	yes
Aftersales	Battery primary	Mol No 36 Year 2009 SNI 04-2015.1-2004 SNI 04-2015.2-2004	Yes
Aftersales	Rim, with or without tyre	Mol 50/2012 Mol 113/2012	Yes (The regulation is focusing on rims, but since the rim is related to the tyre, therefore rim fitted with tyre will be SNI mandatory)
Aftersales	Tempered safety glass	Mol No 80 Year 2015 SNI 15-0048-2005 / Amd 1:2014	Yes
	Laminated safety glass	Mol No 80 Year 2015 SNI 15-1326-2005	Yes
Aftersales	Tyre passenger	Mol No 58 / M-IND / PER / 5 / 201211 Year 2012 completed by Mol 27 / M-IND / PER / 5 / 2013 SNI 06-0098-2002	Yes (The regulation is actually focusing on tyres, but since tyres are related to the rim, therefore tyres fitted on the rim will be SNI mandatory)
Aftersales	Inner tube for passenger, light truck, truck and bus and motorcycle	Mol No 58 / M-IND / PER / 5 / 201211 Year 2012 completed by Mol 27 / M-IND / PER / 5 / 2013 SNI 06-6700-2002	Yes
Aftersales	Tyre fitted on rim	Mol No 58 / M-IND / PER / 5 / 201211 Year 2012 completed by Mol 27 / M-IND / PER / 5 / 2013 SNI 06-0098-2002	Yes (The regulation is actually focusing on tyres, but since tyres are related to the rim, therefore tyres fitted on the rim will be SNI mandatory)
Aftersales	Audio video	Mol No 15 / 2018 SNI 04-6253-2003	Yes
Aftersales	Rim, with or without tyre	Mol No 59 Year 2012 SNI 1896:2008	Yes



Malaysia

AUTOMOTIVE REGULATORY GUIDE



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National regulations



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MINISTRY AND REGULATORY AUTHORITIES

STANDARDS OF MALAYSIA ACT 1996 (ACT NO 549)

National Standards Body (NSB) and National Accreditation Body (NAB)

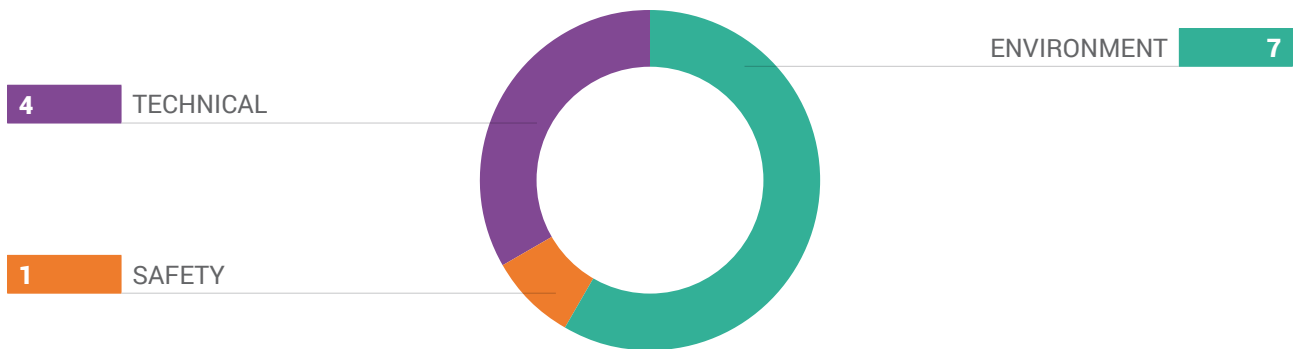
DSM
Department of Standards Malaysia

Government department under the Malaysian ministry of transport

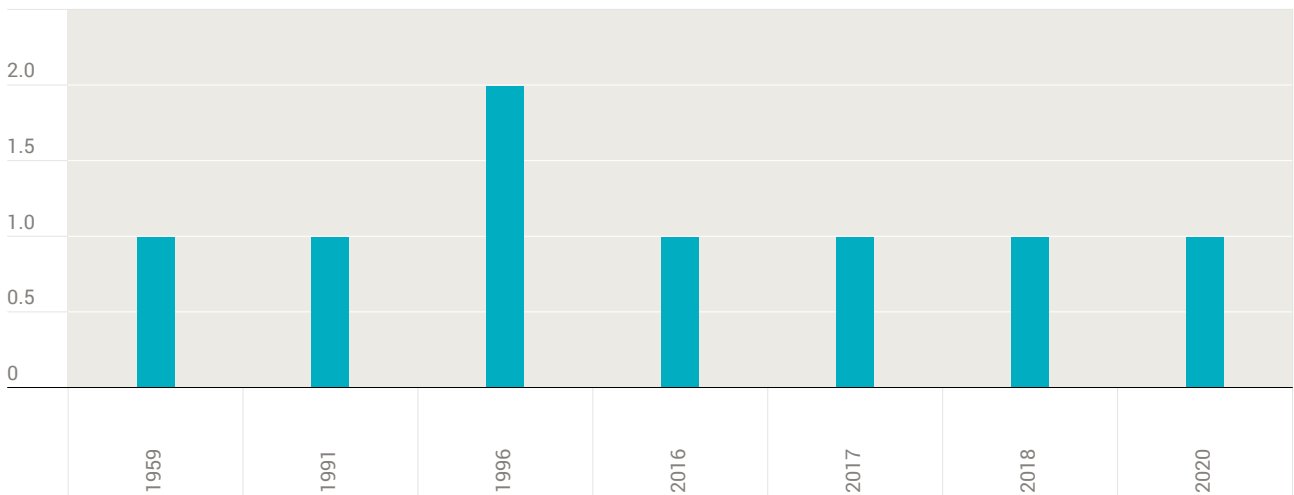
JPJ
Road Transport Department

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
<p>Vehicle Type Approval Scheme</p> <p>Malaysia is a contracting party of the UN 1958 Agreement and as such is obliged to accept the vehicle type approval scheme under the UN Regulation and 1958 Agreement.</p>			
Safety	Requirements for pedestrian protection (if required SA 8TF control for NT)	GTR No 9	No
Technical	Installation of light and light signalling devices	LN 170 / 1959 9A, 25, 26, 32, 71, 72, 73, 96, 98, 99, 101, Anh 1, Anh 3	No
Technical	Requirement for safety glass	PU (A) 39 / 1991	
Technical	eCall	Malaysian Institute of Road Safety Research (MIROS) & Telekom Malaysia Berhad (TM) 2018	
Technical	Specification for short range devices (radio systems, short range devices, radar systems)	MTSFB TC 007:2020 (cancels and replaces the MCMC MTSFB TC T007:2014)	
Environment	Requirement EU2	Environmental Quality Act 1996	
Environment	Requirement Euro 4 Gasoline: new models 01.01.2020, existing models 01.01.2022 Diesel: new models 01.02.2022, existing models 01.02.2023	Malaysia Automotive Association (MMA)	
Environment	On-Board Diagnostic (OBD) & EVAP requirement Gasoline: Euro 4 (OBD optional, without EVAP) Diesel: Euro 4 (OBD optional)		
Environment	Requirement for exhaust location	Environmental Quality Act 1996	No
Environment	Tax benefits for Energy Efficient Vehicles (EEV)	-	No
Environment	CO2 initiatives and fuel efficiency for petrol engines through VTA	UN R101 (through JPJ letter to MAA from 15.04.2016)	No
Environment	CO2 initiatives and fuel efficiency application of EEV incentive	starting April 2017	



Myanmar

AUTOMOTIVE REGULATORY GUIDE

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Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Seat belt anchorage	UN R14	Yes
Safety	Seat belt	UN R16	Yes
Technical	Speedometer	UN R39	Yes
Technical	Steering equipment	UN R75	Yes
Technical	Pneumatic tyres (passenger cars)	UN R30	Yes
Environment	Exhaust emissions (L category)	UN R40	
Environment	Introduction of emissions standard Euro 5 Gasoline: starting 01.01.2021 Diesel: starting 01.01.2023	-	



Philippines

AUTOMOTIVE REGULATORY GUIDE

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National regulations



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MINISTRY AND REGULATORY AUTHORITIES

Executive Department of the Philippine Government
DOTr Department of Transportation

DENR Department of Environment and Natural Resources

DAO DENR Administrative Order

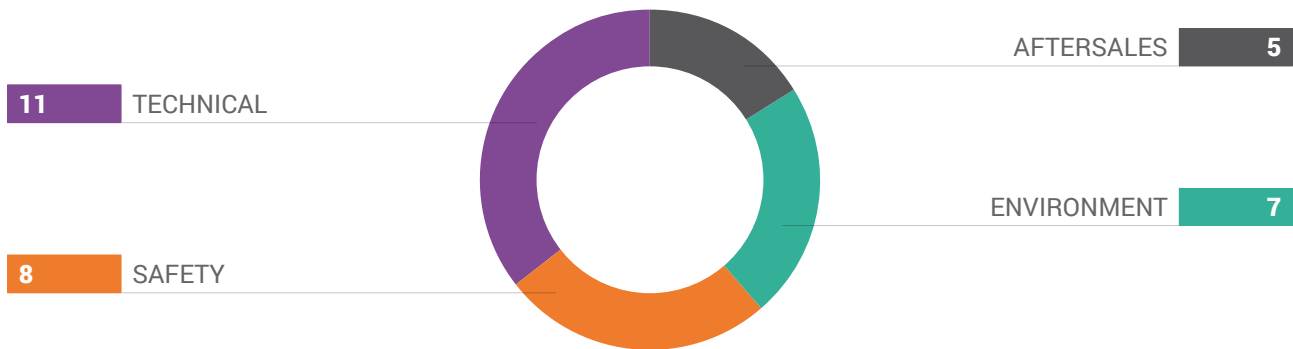
Committed to the growth and development of the Philippine economy
DTI Department of Trade and Industry

Bureau within the department of trade and industry - national standards body
DTI-BPS Bureau of Philippine Standards

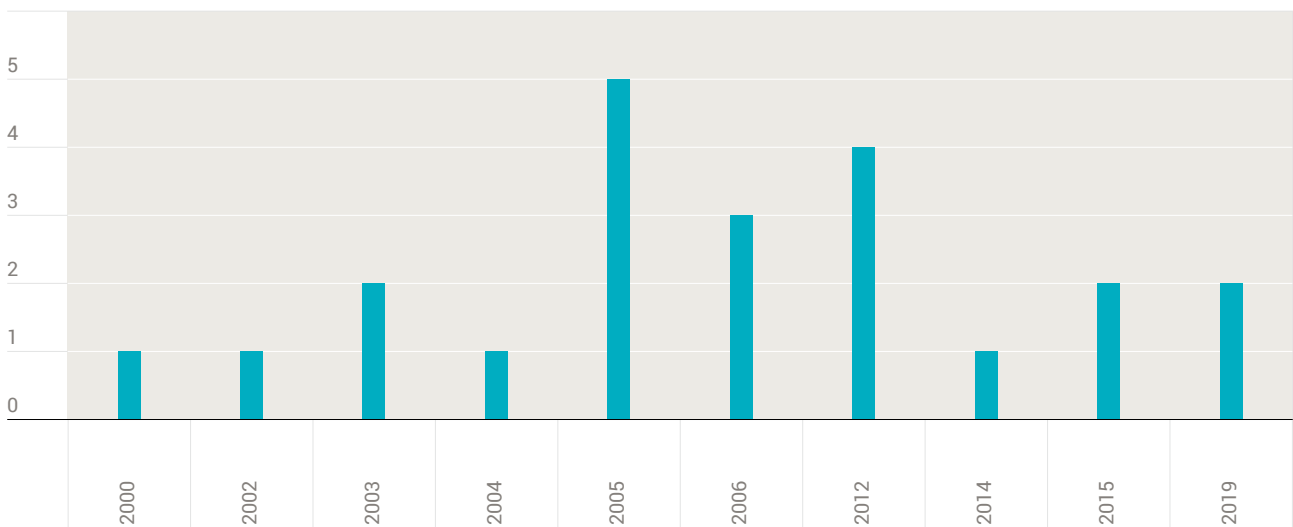
PNS Philippine National Standards

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS

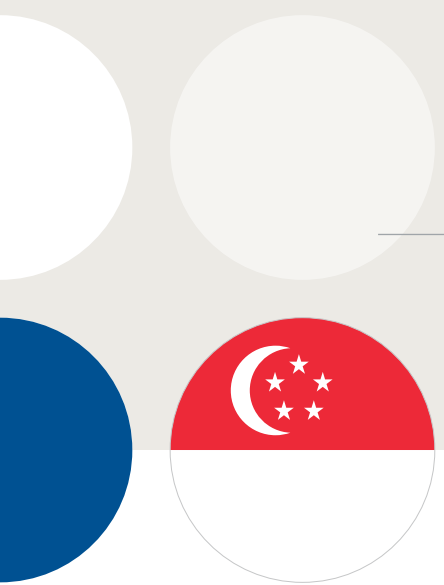




Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Braking system	PNS UN R13 (2005)	Yes
Safety	Braking system (passenger cars)	PNS UN R13H (2005)	Yes
Safety	Seat belt	PNS 1892 AMD.1-2002	Yes
Safety	Safety glass	PNS 130:2004	Yes
Safety	On-board rechargeable energy storage system	PNS ISO 6469-1:2012	
Safety	Vehicle operational safety means and protection against failures	PNS ISO 6469-2:2012	
Safety	Protection of persons against electric hazards	PNS ISO 6469-3:2012	
Safety	Post crash electrical safety	PNS ISO 6469-4:2012	
Technical	Seat belt anchorage	PNS 1893:2000	
Technical	Seats	PNS UN R17	
Technical	Head restraint	PNS R25-2003	Yes
Technical	Speedometer	PNS UN R39:2006	Yes
Technical	Rear view mirror Indirect vision	PNS UN R46	Yes
Technical	Sound / noise emission	PNS UN R51:2005	No
Technical	Steering equipment	PNS UN R79:2005	Yes
Technical	Audible warning device	PNS UN R28:2006	Yes
Technical	Tyres	UN R30	Yes
Technical	Tyres (commercial vehicles)	PNS 25:2003	Yes
Technical	Tyres (L category)	PNS UN R 75-207	Yes
Environment	Exhaust emissions (L category)	PNS UN R40:2006	
Environment	Noise (L category)	PNS UN R41:2005	
Environment	Exhaust emissions Introduction of emission standard Euro 4	DAO No 2015-04 Ref UN R49-04	No



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Exhaust emissions	DAO 2015-04 Ref UN-R83-05B	
Environment	CO2 initiatives and fuel efficiency – Implementing Rules and Regulation (IRR) expected release October 2019 – Separate guidelines shall be provided for transport vehicles	Republic Act 11285 Energy Efficiency and Conservation Act signed on 12.04.2019	
Aftersales	Brake fluid container	Department of Energy: Department Circular No 2014-01-0001	Yes
Aftersales	Liquified Petroleum Gas (LPG)	Republic Act 623 as amended by RA 5700 Republic Act 8293	Yes
Aftersales	Radio frequency equipment	National Telecommunications Commission Philippine Table of Frequency Allocations (NRFAT) Rev 2019	Yes



Singapore

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National regulations



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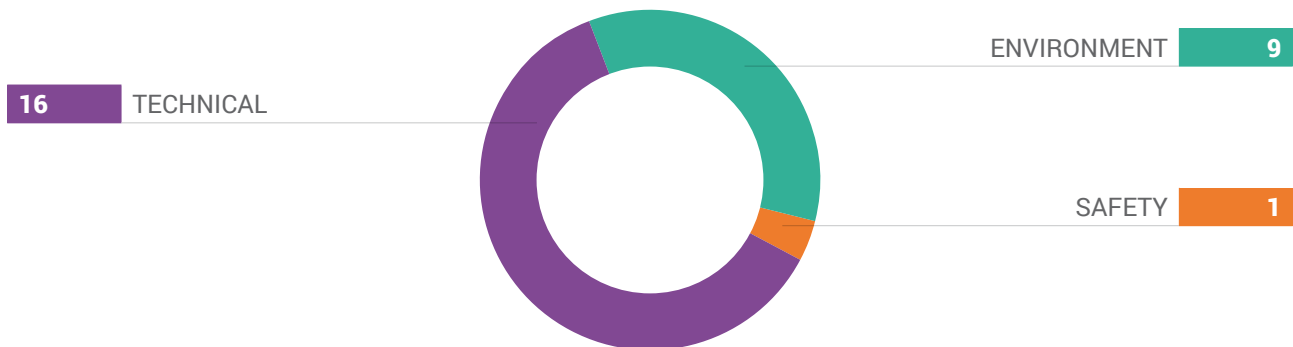


MINISTRY AND REGULATORY AUTHORITIES

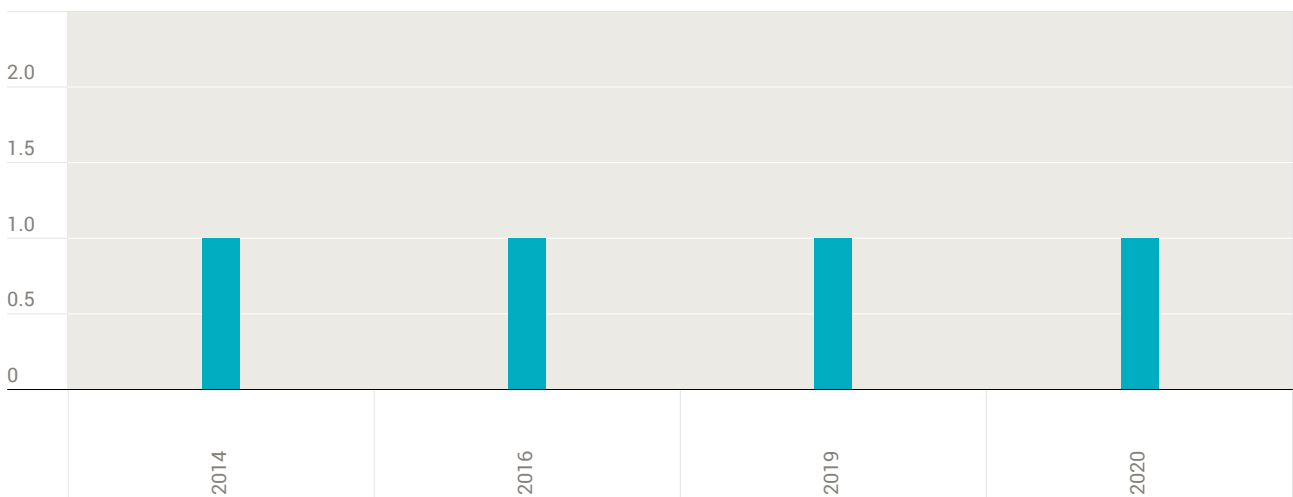
<p><i>Governmental body - National standards and accreditation body</i></p> <p>ESG Enterprise Singapore</p>
<p><i>Statutory board under the ministry of transport of government of singapore</i></p> <p>LTA Land Transport Authority</p>
<p><i>Coordinates standardisation process</i></p> <p>SSC Singapore Standards Council</p>
<p><i>Standards used for industrial activities</i></p> <p>SS Singapore Standards</p>

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Mandatory safety technical requirements for Electric Vehicles (EV) charging systems	TR25:2016 Amendment No 01.07.2020	
Technical	Requirement for installation of lighting devices	S 346 / 74	No
Technical	Requirement for safety glass	LTA / VE / V28.003.000	No
Technical	Requirement for TV / Video in driver's field of vision	S 345 Part IV 126 The Motor Vehicles Rules (1974)	No
Technical	Braking system	UN R13	Yes
Technical	Braking system (passenger car)	UN R13H	Yes
Technical	Seats	UN R17	Yes
Technical	Head restraints	UN R25	Yes
Technical	Speedometer (L category)	UN R39	Yes
Technical	Rear view mirror	UN R46	Yes
Technical	Steering system	UN R79	Yes
Technical	Audible warning device	UN R28	Yes
Technical	Seat belt anchorage	UN R14	Yes
Technical	Seat belt	UN R16	Yes
Technical	Pneumatic tyre (passenger cars)	UN R30	Yes
Technical	Pneumatic tyre (commercial vehicles)	UN R54	Yes
Technical	Tyre (L category)	UN R75	Yes
Environment	Requirement for exhaust location	The motor vehicle rules (construction and use) (Amendment No 2)	No
Environment	Introduction of EU 6c emissions standard (particle number limit)	6 th Emission Standard National Environment Agency 30.12.2014	
Environment	Control of pollution and waste, including for hazardous substances	Environment Protection and Management Act (EPMA)	
Environment	Compulsory acceptance of emission results from Worldwide Harmonized Light Vehicles Test Procedure (WLTP)	From 01.01.2019 National Environment Agency(NEA) Announcement	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Noise (motorcycles)	UN R41	No
Environment	Noise emissions	UN R51	No
Environment	Exhaust emissions (L category)	UN R40	No
Environment	Diesel emissions	UN R49	No
Environment	Exhaust emissions	UN R83	No



Thailand

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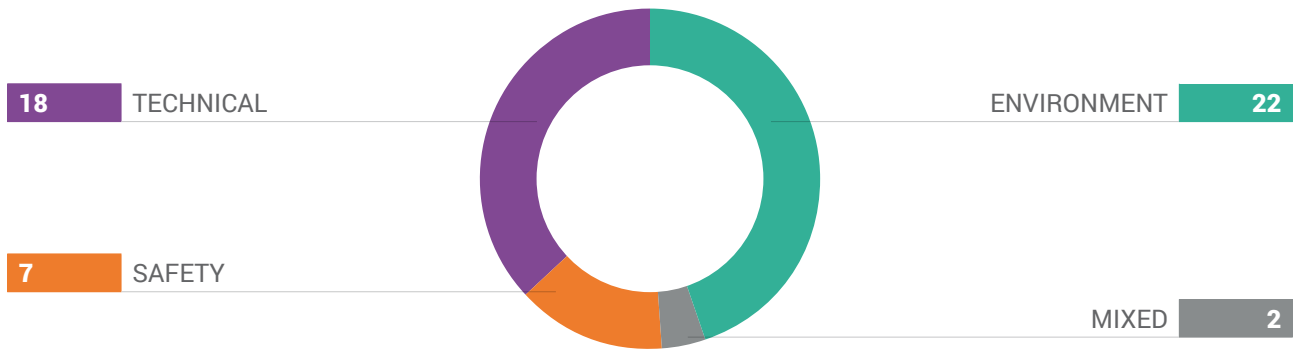
INDUSTRIAL PRODUCT STANDARDS ACT B.E.2511 (1968)

National Standards Organisation - Governmental Agency within the Ministry of Industry
TISI Thai Industrial Standards Institute

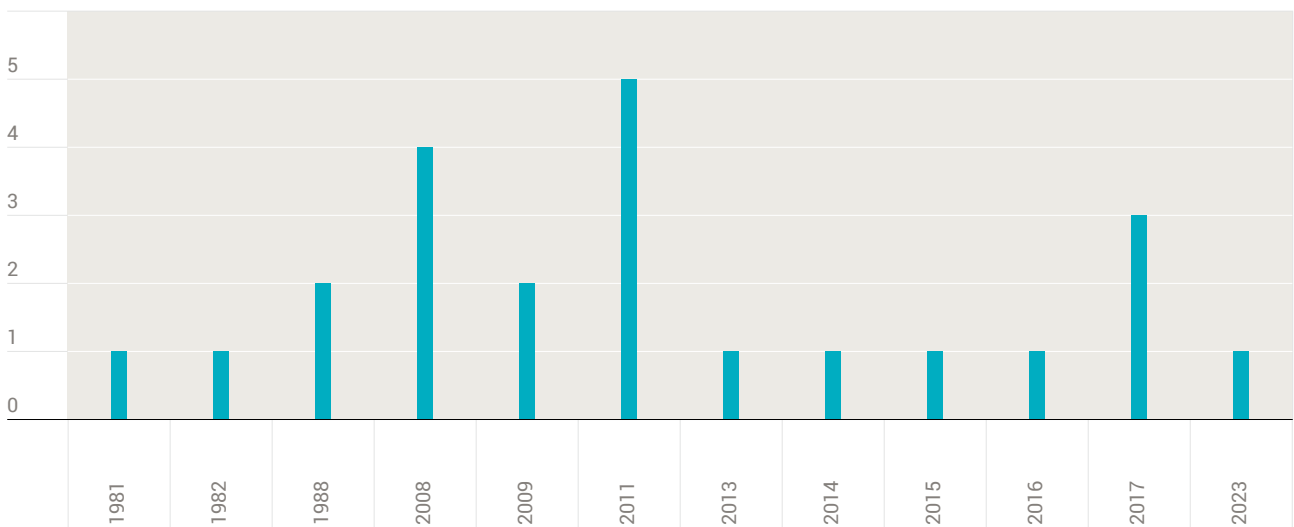
TIS Thai Industrial Standards

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for seats, seat anchorages and headrests	BE 2560 UN R17	No
Safety	Safety glazing materials for vehicles	TIS 2602-2556 (2013) UN R43	Yes
Safety	Seat belts	TIS 721-2551 (2008) UN R16.06 New Model: 01.01.2020 All Model: 01.01.2022	Yes
Safety	Seat belt anchorage	UN R16 New Model: 01.01.2020 All Model: 01.01.2022	Yes
Safety	Seats	UN R17 New Model: 01.01.2020 All Model: 01.01.2022	
Safety	Head restraints	UN R25 New Model: 01.01.2020 All Model: 01.01.2022	Yes
Safety	Steering equipment	UN R79.03 Draft Mandatory 2023	Yes
Technical	Brake lining for vehicles	TIS 97-2557 (2014)	
Technical	Transmission chain	TIS 418-2525 (1982)	
Technical	Liquefied Petroleum Gas (LPG) cylinder for internal combustion engines	TIS 370-2552 (2009)	
Technical	Tinted float glass	TIS 1344-2560 (2017)	
Technical	Gas tank for passenger cars	TIS 830-2531 (1988)	
Technical	Small size water cooled diesel engines	TIS 787-2551 (2008)	
Technical	Two-stroke gasoline engine lubricating oil	TIS 1040-2541 (1998)	
Technical	Warning devices	UN R28 M1 & N1: New model: 01.01.2019 All model: 01.01.2021 L3: New model: 01.01.2018 All model: 01.01.2020	Yes
Technical	Glass	UN R43	Yes
Technical	Passenger vehicle tyres	UN R30 TIS 2718-2560 (2017)	Yes



Item	Subject	Regulatory Act	Applicability to spare parts
Technical	Commercial vehicle tyres	UN R54 TIS 2719-2560 (2017)	Yes
Technical	Tyre (L category)	UN 75	Yes
Technical	Speedometer	UN R39	Yes
Technical	Audible warning device	UN R 28	Yes
Technical	Braking system	UN R13 Issued Plan: 2019 New Model: 01.01.2022 All Model: 01.01.2024	Yes
Technical	Braking system (passenger cars)	UN R13H	Yes
Technical	Requirement for belt anchorages	UN R14 E. 2560	Yes
Technical	Mandatory equipment of all seating positions with seat belt or restraint system and seat alert (except folding seat)	UN R16 BE 2560	No
Environment	Introduction of emissions standard Euro 4	TIS 2560-2554 (2011)	
Environment	EVAP requirements	TIS 2560-2554 (2011)	
Environment	Exhaust emission Emission standards Euro 5 within 2021	UN R83.06	No
Environment	Emission standards Euro 6 within 2022	UN R83.07	No
Environment	On-Board Diagnostic (OBD) and EVAP requirement Gasoline: Euro 4 (with OBD & EVAP) Diesel: Euro 5b (with OBD & EVAP) Euro 6b (with OBD & EVAP)		
Environment	Requirements for external noise	BE 2559 (2016)	No
Environment	Change in excise duty rates	-	No
Environment	Requirement for the use of local language in owners' manual	BE 2522	
Environment	Requirements for approval regulations for exhaust tailpipes	MR No 9 (BE 2524 (1981) Ministerial Regulation No 9	No
Environment	Safety requirements for heavy motor vehicles equipped with compression ignition engines, emissions from engine	TIS 2315-2551 (2008)	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	Safety requirements for heavy motor vehicles equipped with position ignition engines fuelled with natural gas or liquefied petroleum gas, emissions from engine	TIS 2320-2552 (2009)	
Environment	Passenger cars powered by an internal combustion engine or hybrid cars M1 and N1 vehicle powered by electric Emission of carbon dioxide, fuel consumption, electric energy consumption and electric range	TIS 2335-2558 (2015)	
Environment	Safety requirements Emissions from engine (Motorcycles)	TIS 2350-2551 (2008)	
Environment	Safety requirements for positive ignition engine vehicles Emissions from engine	TIS 2540-2554 (2011)	
Environment	Safety requirements for light-duty compress ignition engine vehicles Emissions from engine	TIS 2550-2554 (2011)	
Environment	Safety requirements for light motor vehicles equipped with positive ignition engines fuelled with natural gas or liquefied petroleum gas	TIS 2555-2554 (2011)	
Environment	Noise (light-duty vehicle)	UN R51 Enforcement: New model: 01.01.2019 Existing model: 01.01.2021	No
Environment	Noise (L category)	UN R41	No
Environment	Tyre noise	UN R117	No
Environment	Current requirement is CO2-based Excise tax structure	UN R101	No
Environment	Exhaust emission (L category) National requirement: Type 1 test accept only New European Driving Cycle (NEDC) mode Evapo test limit value 2g/test	EC97 / 24	
Environment	Sound emissions	UN R51.02 New model: 01.01.2019 All model: 01.01.2021	
Mixed	Motor Vehicle Act	Motor Vehicle Act (MVA) (2522) - transfer from the Royal Police in 1988 – covers motorcycles (L3), motor tricycles (Tuk-Tuk), passenger cars (M1), pick-up trucks (N1)	
Mixed	Land Transport Act	Land Transport Act (LTA) (2522) - covers buses and trucks	



Vietnam

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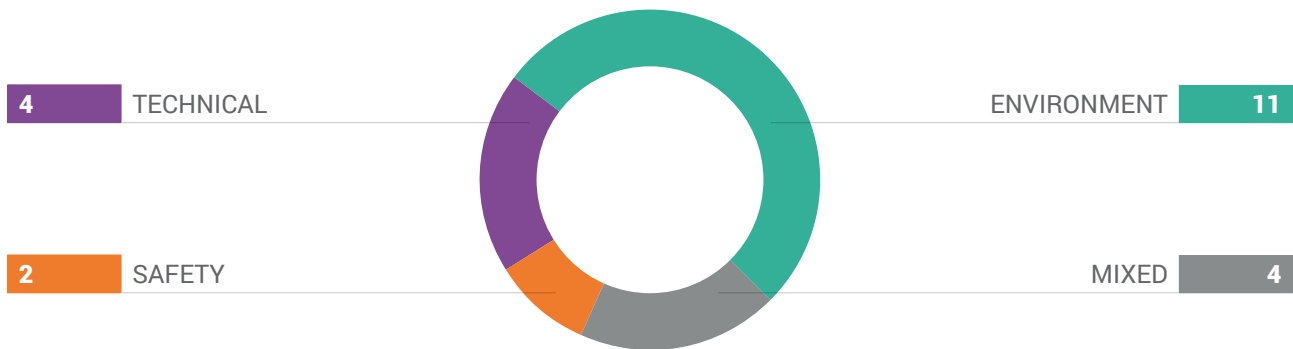


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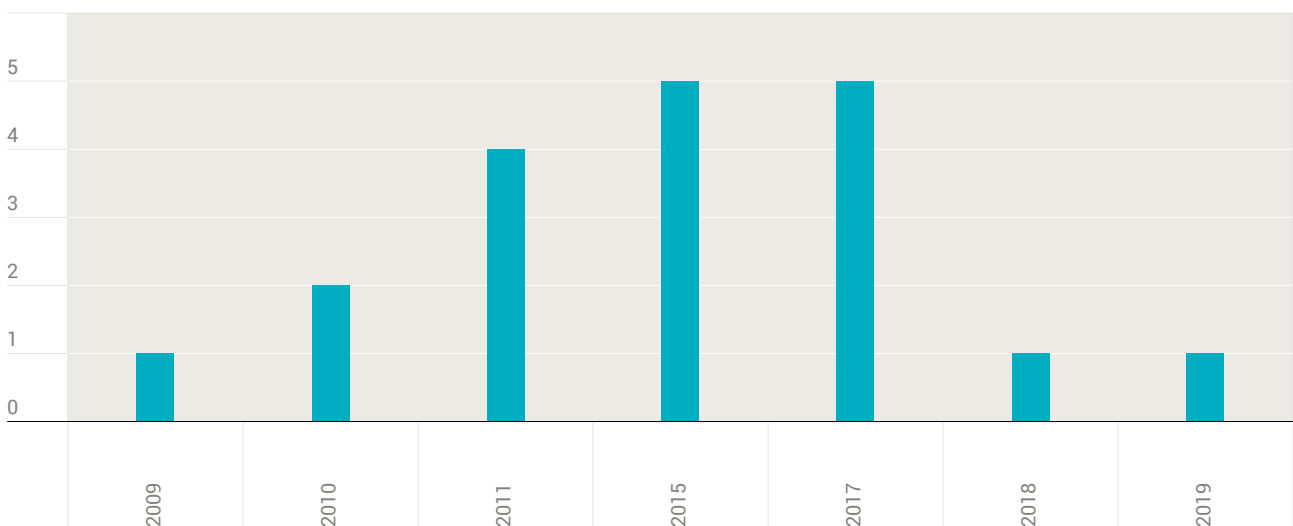
Government agency for rail, road and water transport MOT Ministry of Transport	
Directorate / Line ministry under MOT DRVN Directorate for Roads of Vietnam	
QCVN National Technical Regulation	<ul style="list-style-type: none"> - mandatory - placed in the highest position of standards - provides basic requirements to be complied with by every project
Government agency for issuing and managing national standards MOST Ministry of Science and Technology	
National standards body under most STAMEQ Directorate for Standards, Metrology, and Quality	
TCVN National Technical Standards	<ul style="list-style-type: none"> - voluntary - shows provisions to be referred to by respective projects

DISTRIBUTION OF REGULATIONS PER ITEM

SOURCE: ACEA



YEARLY ISSUANCE OF NEW AND AMENDED REGULATIONS





Item	Subject	Regulatory Act	Applicability to spare parts
Safety	Requirement for operating equipment	QCVN 09:2011 BGTVT	Yes
Safety	Safety glass	QCVN 32:2017 / BGTVT Adopted UN R43	Yes
Technical	Headlamp	QCVN 35:2017/BGTVT Adopted UN R112 Rev 03	Yes
Technical	Tyre (passenger cars)	QCVN 34:2017 / BGTVT Adopted ECE 30 Rev 03	Yes
	Tyre (commercial vehicles)	QCVN 34:2017 / BGTVT Adopted UN R54 Rev 03	Yes
	Tyre (L category)	QCVN 36:2010 / BGTVT Adopted UN R75 Rev 02	Yes
Technical	Devices for indirect vision	QCVN 33:2019 / BGTVT Adopted UN R46 Rev 06	Yes
Technical	Fuel tank	QCVN 52:2013/BGTVT Adopted UN R34 Rev 01	Yes
Technical	Light alloy wheel	QCVN 78:2014/BGTVT Adopted UN R124 Sup 1	Yes
Environment	Emissions standard Euro 4	Governmental decision No 49 / 2011 / QD-TTg	
Environment	On-Board Diagnostic (OBD) and EVAP requirements Gasoline: Euro 4 (no requirement) Diesel: Euro 5 (requirement not yet clear)		
Environment	Switch to emissions standard Euro 5 (starting from 01.01.2022)	Governmental decision No 49 / 2011 / QD-TTg	
Environment	Max noise level (at static inspection): Passenger cars and trucks, single-purpose vehicles and buses with $G \leq 3,500\text{kg}$: 103dB Trucks, single-purpose vehicles and buses with $G > 3,500\text{kg}$ and $P \leq 150\text{kW}$: 105dB Trucks, single-purpose vehicles and buses with $G > 3,500\text{kg}$ and $P > 150\text{kW}$: 107dB (P is maximum capacity of engine; G is total weight of vehicle)	QCVN 09:2015 BGTVT	No
Environment	Exhaust emissions	QCVN 86:2015 / BGTVT UN R83-05 adopted UN 494 not yet adopted	
Environment	Exhaust emissions (L category)	TCVN 7357:2010 Based on UN R 40	
Environment	Sound emissions	QCVN 09:2009 / BGTVT Based on UN R51 Rev 02	



Item	Subject	Regulatory Act	Applicability to spare parts
Environment	CO2 initiatives and fuel efficiency Current: Labeling regulation (green label with self-declared fuel consumption amount and VR verify) Under examination: New regulations on emissions and fuel consumption limits		
Environment	Recycling regulation Management of waste and discarded materials	Decree 38 / 2015 / ND-C Decision 16 / 2015 / QD-TTg	
Mixed	Requirement for whole vehicle type approval, owner's manual and technical regulations (local car importers need to obtain Vehicle Type Approval (VTA) certificates from the country of origin, which certifies the quality, safety, and environmental protection of imported units in accordance with the current regulations)	Decree 116 / 2017 / ND-CP QCVN 09:2015 Bgtvt	
Mixed	Requirement for Vehicle Identification Number (VIN)	556-DK EN 2011-11-23	
Mixed	Technical and environmental safety inspection of imported motor vehicles(certificates required for auto parts such as tyres, rearview mirrors, front lights, and glasses)	Circular 03 / 2018 / TT-BGTVT Decree No 116 / 2017 / ND-CP	
Mixed	Acceptance of ECE certificate or national type approval certificate for component parts (headlight, glass, mirror, tyres)	–	



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