GCC Standardization Organization (GSO)

Conformity Assessment Department

List of GSO Technical Regulations for Motor Vehicles

(2028 Model Year)

MY2028-D2

GSO	Year	Technical Regulation
34	2007	Lead-Acid Starter Batteries Used for Motor Cars & Internal Combustion Engines
35	2007	Methods of Test for Lead-Acid Starter Batteries Used for Motor Cars & Internal Combustion Engines
36	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 1: Frontal Impact
37	2012	Motor Vehicles - Methods of Test for Impact Strength - Part 2: Rear Impact
38	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 3A: Side Impact
39	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 4: Roof Strength
40	2011	Motor Vehicles - Impact Strength
41	2007	Motor Vehicles: Front and Rear Exterior Protection Devices for Passenger Cars (Bumpers etc) and its Methods of Test
42	2015	Motor Vehicles: General Requirements
48	1984	Motor Vehicles: Conformity Certificates
51	2007	Passenger Car Tyres - Part 1: Nomenclature, Designation, Dimensions, Load Capacities and Inflation Pressures
52	2007	Passenger Car Tyres - Part 2: General Requirements
53	2007	Passenger Car Tyres - Part 3: Methods of Test
96	1988	Motor Vehicles - Methods of Testing of Safety Belt
97	1988	Motor Vehicles - Safety Belts
98	1988	Motor Vehicles - Flammability of Interior Materials and Testing Methods
99	1988	Road Vehicles - Sound Signaling Devices – Technical Specifications
135	2007	Motor Vehicles - Methods of Test for Engine Radiator
136	2007	Motor Vehicles - Engine Radiator

GSO	Year	Technical Regulation
144	1991	Motor Vehicles - Allowable Limits of Pollutants Emitted to the Atmosphere from Heavy Duty Diesel Engined Vehicles
145	1991	Motor Vehicles - Methods of Testing for Pollutants Emitted from Heavy Duty Diesel Engined Vehicles – Part 1: Determination of Exhaust Gaseous Pollutants
146	1991	Motor Vehicles - Methods of Testing for Pollutants Emitted from Heavy Duty Diesel Engined Vehicles – Part 2: Determination of Smoke
153	1993	Motor Vehicles - Conformity Certificates for Vehicles Manufactured in Multi-Stages
159	1993	Motor Vehicles - Dimensions and Weights
290	1994	Instruction Manual for Appliances Instruments and Equipment
419	1994	Motor Vehicles - Methods of Testing for Door Locks and Door Hinges
420	1994	Motor Vehicles - Door Locks and Door Hinges
421	2005	Motor Vehicles - Methods of Testing of Rear-view Mirrors
422	2005	Motor Vehicles – Rear-view Mirrors
645	2005	Multi-Purpose Vehicles, Trucks, Buses and Trailers Tyres - Part 1: Nomenclature, Designation, Dimensions, Load Capacities and Inflation Pressures
646	1996	Multi-Purpose Vehicles, Trucks, Buses and Trailers Tyres: Part 2: Method of Test
647	1996	Multi-Purpose Vehicles, Trucks, Buses and Trailers Tyres: Part 3: General Requirements
963*	1997	Motor Vehicles - General Requirements for Ambulances
1040	2000	Motor Vehicles - Allowable Limits of Pollutants Emitted to the Atmosphere from Light Duty Diesel Engined Vehicles
1041	2000	Motor Vehicles - Methods of Testing for Pollutants Emitted from Light Duty Diesel Engined Vehicles - Part 1: Determination of Exhaust Gaseous Pollutants

GSO	Year	Technical Regulation
1042	2000	Motor Vehicles - Methods of Testing for Pollutants Emitted from Light Duty Diesel Engined Vehicles - Part 2: Determination of Smoke
1052*	2000	Motor Vehicles Tyres - Temporary Use Spare Wheel/Tyres and Their Methods of Test
1053	2000	Motor Vehicles - Protection Against Theft
1503	2010	Motor Vehicle - Head Lamps Safety Requirements.
1598	2002	Motor Vehicles - Head Restraints and Their Methods of Test
1624	2002	Motor Vehicles - Noise Emissions
1625*	2002	Motor Vehicles - Speed Limiters - Part 2: Technical Requirements
1626*	2002	Motor Vehicles - Speed Limiters - Part 3: Methods of Test
1677	2003	Motor Vehicles – Laminated Safety Glass
1680	2003	Motor Vehicles – Allowable Limits of Gaseous Pollutants Emitted to the atmosphere from Unleaded Gasoline Vehicles
1681	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 1: Determination of Exhaust Gaseous Pollutants After a Cold Start
1682	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 2: Determination of Exhaust Carbon Monoxide Concentration
1683	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 3: Determination of Evaporative Emissions (Hydro- carbons) from the Fuel System Using the Enclosure Method
1684	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 4: Determination of Gaseous Pollutants Emitted from Engine Crankcase
1685	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles – Part 5: Determination of Durability of Pollution Control Equipment

GSO	Year	Technical Regulation
1707	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 3B: Moving Barrier Side Impact (In accordance with US standards)
1708	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 3C: Moving Barrier Side Impact (In accordance with European standards)
1709*	2005	Motor Vehicles – Child Restraint Systems
1710*	2005	Motor Vehicles – Methods of Testing of Child Restraint
1711*	2005	Motor vehicles – Speed Limiters - Part 1: General requirements, Equipment Inspection, Certification, and type approval
1780	2010	Motor Vehicles – Vehicle Identification Number (VIN) - Requirements
1781	2006	Motor Vehicles - World Manufacturer Identifier
1782	2008	Motor Vehicles – Vehicle Identification Number (VIN) – Location and attachment
1783	2006	Passenger Car Tyres - Treadwear, Traction and Temperature-Resistance Grading
1784	2006	Passenger Car Tyres - Method of Testing of Tyre Temperature Resistance Grading
GSO ISO 1585	2008	Road Vehicles – Engine Test Code – Net Power
GSO ISO 3537	2008	Motor Vehicles - Safety Glazing Materials - Mechanical Tests
GSO ISO 3538	1997	Road Vehicles - Safety Glasses - Test Methods for Optical Properties.
GSO-ECE-13H	2012	Motor Vehicles: Braking System of Passenger Cars and Multi-Purpose Vehicles
GSO-ECE-13H-1	2012	Motor Vehicles: Methods of Test for Braking System – Part 1: Braking Performance
GSO-ECE-13H-2	2012	Motor Vehicles: Methods of Test for Braking System – Part 2: Determination of Capacity of Energy Storage Devices
GSO-ECE-13H-3	2012	Motor Vehicles: Methods of Test for Braking System – Part 3: Determination of Distribution of Braking among the Axles of Vehicles

GSO	Year	Technical Regulation
GSO-ECE-13H-4	2012	**Motor Vehicles: Methods of Test for Braking System – Part 4: Determination of Function of Anti-Lock Systems**
GSO-ECE-13H-5	2012	**Motor Vehicles: Methods of Test for Braking System – Part 5: Determination of Performance of Brake Lining Using Inertia Dynamometer**
GSO-ECE-13H-6	2012	**Motor Vehicles: Methods of Test for Braking System – Part 6: Determination of Coefficient of Adhesion**
MC-250905	2025	**Technical Regulation for Electric Vehicles**

** Applicable for certification if provided or the vehicle is designed for.*

Compliance with National Regulations for Member Countries (Refer to the Annex):

The manufacturers should state in GSO conformity certificate (Additional Information Item) the following:

"Also comply with the National regulations for member countries mentioned in the Annex of the list of Technical Regulations for MV 2028 MY-D2, when exporting to those countries."

Recall Campaigns:

Motor vehicles recall is required in GSO member countries. It is essential that all Motor Vehicle Manufacturers should upload all details of recalls in Mutabiq.

Uploading VIN numbers:

All motor vehicles to be exported to GSO member countries are required to upload their VIN numbers and necessary activate in Mutabiq.

Warranty agreement for motor vehicles in GCC countries:

GSO would like to emphasize that all motor vehicle manufacturers should apply for the warranty agreement for all vehicles marketed in GCC countries, regardless of the importer.

GSO technical requirements:

To purchase or download GSO regulations please visit GSO website: ww.gso.org.sa.

Implementation of Emission limits:

For Gasoline Engine:

1. The limits of pollutants emitted from motor vehicles should comply with less than Euro 4 for Bahrain.
2. The limits of pollutants emitted from motor vehicles should comply with Euro 4 for Qatar and Oman.
3. The limits of pollutants emitted from motor vehicles should comply with Euro 5 for Saudi Arabia* and Kuwait.
4. The limits of pollutants emitted from motor vehicles should comply with Euro 6b for UAE**.
5. The limits of pollutants emitted from motor vehicles should comply with Euro 2 requirements in Yemen.

For Diesel Engine:

1. The limits of pollutants emitted from motor vehicles should comply with less than Euro 4 for Oman.
2. The limits of pollutants emitted from motor vehicles should comply with Euro 4 for Bahrain.
3. The limits of pollutants emitted from motor vehicles should comply with Euro 5 for Saudi Arabia*, Qatar and Kuwait .
4. The limits of pollutants emitted from motor vehicles should comply with Euro 6b for UAE**.
5. The limits of pollutants emitted from motor vehicles should comply with Euro 2 requirements in Yemen.

** For Saudi Arabia refer to annex mentioned below.*
*** For UAE refer to annex mentioned below*

ANNEX

National Regulations for Member Countries

United Arab Emirate:

1. All light and heavy vehicles imported into the UAE must comply with a minimum Euro 6b emission standard or equivalent.
2. UAE.S 5012: 2019: Motor Vehicles – Safety Requirements for School Buses.
3. UAE.S 5019: 2024: Motor Vehicle – "eCall" Emergency Calls Technical Requirements.
4. UAE.S 5021: 2018: Terrestrial Radio Receiver Specifications.
5. UAE.S 5041: 2020: Fire suppression systems intended for engine compartments of buses and coaches.
6. UAE.S 2698: 2024: Technical Requirements for Electric Vehicles. All electric vehicles sold in the UAE market must obtain an Emirates conformity certificate from Ministry of Industry and Advanced Technology (MoIAT).
7. Hydrogen Vehicle shall comply with Cabinet Resolution No. (42) for the UAE Hydrogen Vehicle System.
8. All Busses with less than 22 seats should be provided with speed limiting system with maximum speed of 100 km/h, this system cannot be modified or changed by the driver.
9. All the seats of passenger cars and multipurpose vehicles (Except middle rear seat) shall be towering back type or equipped with adjustable head restraints.
10. The front and rear outboard seats of passenger cars and multipurpose vehicles shall be provided with three-point safety belts, the other seats and seats of all other vehicles shall be provided with either two-point or three-point safety belts.
11. All vehicles shall ecopoet with front fog lights accordance with ECE 19 or SAE J583, except the vehicles which are equipped with lighting technologies that increase the efficiency of vehicles visibility while driving in fogy conditions (such as digital lighting and LED lamps as well as radars, infrared technologies, etc.)
12. Special design sports vehicles, electric vehicles and hydrogen fuel cell vehicles, are allowed to use the repair kit as an alternative to the spare tyre upon a special undertaking submitted to Ministry of Industry and Advanced Technology (MoIAT).

Kingdom of Bahrain:

Large Passenger Vehicles (Busses):

1. The minimum seat length shall be 40 cm for every passenger (For school busses 30 cm at least).
2. The minimum seat width shall be 40 cm for every passenger (For school busses 30 cm at least).
3. The corridor between the seats and rows shall not be less than 40 cm.
4. The height between any of the seats (top of head rest) and the ceiling of the vehicle shall not be less than 85 cm.
5. The space between the front of a seat and the back of the seat in front shall not be less than 30 cm.
6. The space between the vehicle floor and its ceiling shall not be less than 190 cm, except the vehicles designed not for passengers to stand.

Kingdom of Saudi Arabia:

#	SASO No.	Name of Standard
1	**SASO 2946:2020** SASO 2946:2020/AMD1:2022 SASO 2946:2020/AMD2:2022	**Buses – Requirements of construction**
2	**SASO 2847:2025**	**Fuel economy labelling requirements for new light duty vehicles**
3	**SASO 2857:2016**	**Vehicle tires rolling resistance and wet grip requirements**
4	**SASO 2864:2022** SASO 2864:2022/AMD1:2026	**Saudi Arabia corporate average fuel economy standard (SAUDI CAFE) for incoming light duty vehicles (2024–2028)**
5	**SASO 2951:2021**	**School buses – General requirements**
6	**SASO 3008:2022**	**School buses – Pedestrian safety devices**
7	**SASO 3009:2022**	**School buses – Roof strength**
8	**SASO 3010:2022**	**School buses – Body joint strength**
9	**SASO 3011:2022**	**School buses – Rear crash test using moving barrier**
10	**SASO 2971:2021**	**Tow trucks**
11	**SASO 469:2022**	**Motor Vehicles – Dimensions and Weight**
12	**SASO IEC 60095-1:2023 (a)**	**Lead-acid starter batteries – Part 1: General requirements and methods of test**
13	**SASO IEC 60095-2:2019 (a)**	**Lead-acid starter batteries – Part 2: Dimensions of batteries and dimensions and marking of terminals**
14	**SASO IEC 63057:2024 (a)**	**Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium batteries for use in road vehicles not for the propulsion**
15	**SASO CITC RI121:2021 (b)**	**Specification for Radio Broadcasting Equipment**
16	**SASO CITC RI120:2021 (b)**	**Specification for IMT User Equipment**
17	**SASO CITC RI054:2021 (b)**	**Specification for Short Range Devices (SRD)**
18	**SASO CITC RI117:2021 (b)**	**Specification for Data Communication Equipment operating in License-Exempt Frequency Bands**
19	**SASO CITC RI049:2021 (b)**	**Specification for Road Transport, Traffic Telematics and Intelligent Transport Systems**
20	**SASO 3114:2026 (b)**	**Requirements for Specific ICT Equipment**
21	**SASO CITC GEN001:2021 (b)**	**General Requirements**

22	SASO CITC RI091:2021 (b)	Specification for Ground Navigation Equipment
23	SASO CITC GEN003:2021 (b)	Requirements for Radio Modules
24	SASO CITC RI085:2021 (b)	Specification for Ultra-Wideband Equipment
25	SASO 2944:2023 (c)	Motor vehicle – Technical Requirements for "eCall" Emergency Calls
26	SASO 2938:2019	Technical specifications of the radio, digital and analog broadcasting receiver for (AM/FM/T- DAB+)
27	SASO 2955:2021	Motor vehicles – Front under run protective devices for trucks
28	SASO 2956:2021	Motor vehicles – Lateral under run protective devices for trucks and trailers
29	SASO 2957:2021	Motor vehicles – Rear under run protective devices for trucks and trailers
30	SASO GSO ISO 5011:2024 (d)	Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing
31	SASO 3004:2022	Road vehicles – Controls, tell-tales and indicators
32	SASO 3005:2022	Road vehicles – Windshield defrosting and defogging systems
33	SASO 3006:2022	Road vehicles – Accelerator control systems
34	SASO 3007:2022	Road vehicles – Windshield wiping and washing systems

(a) The applicable standard shall be selected according to the starter battery technology used by the vehicle (Lead-acid or Lithium).

(b) Applicable for certification if provided or the vehicle is designed for. Note that SASO CITC GEN002:2026 has been replaced by SASO 3114:2026.

(c) Implementation will start on 01/01/2028 (calendar year). (Note: The PSAP test is no longer required as a prerequisite for conformity.)

(d) Not applicable for Certification.

Other national requirements related to occupant protection, Stability, Repair and Maintenance Information (RMI), and environmental.

#	Title of the item	Regulation No.	Title of the technical regulations	Target category of vehicles	Remarks
1	**Allowable limits of pollutants emitted from motor vehicles**	**ECE 49** (05 Series of Amendments, including Supplement 12)	Uniform provisions concerning the measures to be taken against the emission of gaseous and particulate pollutants from compressing ignition Engines and positive ignitions engines for use in vehicles	Heavy Duty	Diesel engine should comply with **Euro V**
		ECE 83 (05 Series of Amendments, including Supplement 10)	Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements	Light Duty	Diesel/Gasoline engine should comply with **Euro 5**
2	**Child restraint systems**	**ECE 44** (04 Series of Amendments, including Supplement 18)	Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles (Child Restraint System)	Passenger car and Multipurpose passenger	Corresponding US Federal Regulations FMVSS 213, FMVSS 213a
		ECE 129 (04 Series of Amendments, including Supplement 01)	Uniform provisions concerning the approval of Enhanced Child Restraint Systems (ECRS) used on board of motor vehicles		
3	**ISOFIX anchorages systems**	**ECE 145** (01 Series of Amendments)	Uniform provisions concerning the approval of vehicles with regard to ISOFIX anchorage systems ISOFIX top tether anchorages and i-Size seating positions		Corresponding US Federal Regulations FMVSS 225
4	**Safety-belt anchorages**	**ECE 14** (09 Series of Amendments, including Supplement 04)	Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages	Passenger car, Multipurpose passenger vehicle, Bus, and Truck	Corresponding US Federal Regulations FMVSS 207, FMVSS 208, FMVSS 210

5	**Pole Side Impact performance (PSI)**	**ECE 135** (02 Series of Amendments, including Supplement 02)	Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)	Passenger car (Gross Vehicle Mass ≤ 3,500 kg) Truck (N1)	----
6	**Electronic Stability Control (ESC) Systems**	**ECE 140** (Original Series of Amendments, including Supplement 06)	Uniform provisions concerning the approval of passenger cars with regard to Electronic Stability Control (ESC) Systems	Passenger car and Multipurpose passenger	Corresponding US Federal Regulation FMVSS 126
7	**Vehicle Stability Function for Heavy Vehicles**	**ECE 13** (Annex 21 -12 Series of Amendments including Supplement 05)	Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking	Heavy commercial vehicles, buses and trailers (as applicable)	Corresponding US Federal Regulation FMVSS 136
8	**Safety-belts and Restraint Systems**	**ECE 16** (08 Series of Amendments, including Supplement 05)	Uniform provisions concerning the approval of: I.Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles II.Vehicles equipped with safety-belts, safety-belt reminder, restraint systems, child restraint systems, ISOFIX child restraint systems and i-Size child restraint systems	Passenger car, Multipurpose passenger vehicle, Bus, and Truck	Corresponding US Federal Regulations FMVSS 208 and FMVSS 209
9	**Seats, Their Anchorages and Head Restraints**	**ECE 17** (11 Series of Amendments including Supplement 02)	Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints	Passenger car and Multipurpose passenger	Corresponding US Federal Regulations FMVSS 207 and FMVSS 202a

10	**Repair and maintenance information (RMI)**	**ISO 18541-1:2021** General information and use case definition **ISO 18541-2:2021** Technical requirements **ISO 18541-3:2021** Functional user interface requirements **ISO 18541-4:2021** Conformance test **ISO 18541-5:2018** Heavy duty specific provision	Road vehicles — Standardized access to automotive repair and maintenance information (RMI)	Passenger car, Multipurpose passenger vehicle, Bus, and Truck	“The manufacturer or its authorized representative shall make the vehicle on-board diagnostics (OBD) information and vehicle repair and maintenance information available to independent operators in a standardized format. Such information shall be kept up to date and readily accessible. It shall be provided with a level of detail equivalent to that made available to the manufacturer’s authorized repair network, under fair and non-discriminatory terms.” "Compliance with the obligation for manufacturers to provide OBD information and vehicle repair and maintenance information on their websites through a standardized format shall be presumed by conforming with the relevant Parts of standard ISO 18541" “The relevant/competent authority shall be responsible for approving independent operators and granting individual authorizations to their personnel to access security-related repair and maintenance information (SERMI), after verifying the identity and eligibility of both the operator and the technician and confirming their compliance with the applicable requirements and controls. ”

State of Qatar:

Comply with Qatar Technical Regulation QS GSO 2693:2025: The GCC Terrestrial Radio Receiver Specifications for AM/FM/T-DAB+.

State of Kuwait:

Comply with Kuwait Technical Regulation KWS GSO 2693:2023: The GCC Terrestrial Radio Receiver Specifications for AM/FM/T-DAB+.