

GSO Contribution to the Sustainable Development Goals (SDGs)



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لدول مجلس التعاون لدول الخليج العربية
GCC Standardization Organization



GSO... in brief



Forward

GCC Standardization Organization (GSO) is a Regional Standardization Organization (RSO) which was established by the resolution of the GCC Supreme Council (22nd Session, Muscat, Oman, 30-31 December 2001) and assumed its operation in May 2004 with membership of the governments of The State of the United Arab Emirates, The Kingdom of Bahrain, The Kingdom of Saudi Arabia, The Sultanate of Oman, The State of Qatar, and The State of Kuwait, and the Republic of Yemen, which joined in January 2010.

The mission of GSO is to assist the States of the Cooperation Council for the Arab States of the Gulf (GCC) to achieve the objectives set forth in its Charter and in the GCC Economic Agreement by unifying the various standardization activities and following up implementation and compliance with the same in cooperation and coordination with the standardization bodies in the Member States (NSBs) to develop the production and service sectors, foster the intra-GCC trade, protect the consumer, environment and the public health, enhance the GCC economy and its competitiveness and meet the requirements of Gulf Custom Union and Gulf Common Market.

GSO Member States



United Arab Emirates



Kingdom of Bahrain



Kingdom Saudi Arabia



Sultanate of Oman



State of Qatar



State of Kuwait



Republic of Yemen

National Standardization Bodies in Member States

-  Ministry of Industry and Advanced Technology (MoIAT)
-  Bahrain Standards and Metrology Directorate (BSMD)
-  Saudi Standards, Metrology and Quality Organization (SASO)
-  The Directorate General for Standards and Metrology (DGSM)
-  Qatar General Organization for Standardization (QS)
-  Standards and Industrial Services Affairs (KOWSMD)
-  Yemen Standardization, Metrology and Quality Control Organization (YSMO)

Sustainable Development Goals in Brief



Sustainable Development Goals...in Brief

GSO Member States stand with UN Member States in achieving the Sustainable Development Goals (SDGs), adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

The 17 SDGs are integrated—they recognize that action in one area will affect outcomes in others, and that development must balance social, economic, and environmental sustainability.



Figure (1): UN Global Goals (SDGs)

This ambitious action plan to enhance peace and prosperity, eradicate poverty and protect the planet is recognized globally as essential for the future sustainability of our world.



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GSO

Achievements at a Glance



GSO

Achievements at a Glance

Standardization Activities play a central key role in supporting Sustainable Development Goals (SDGs) as the results of the standardization activities (Mandatory Regulations or Voluntary Standards) support the achievement of the most 2030 SDGs in different ways.

Therefore, GSO has issued a great number of Gulf standards and technical regulations in significant sectors with full integration of socially and environmentally responsible behavior delivering confidence to the users, importers, and manufacturers (supply chain stakeholders). For example, numerous Gulf standards limit permissible pollutants to reduce carbon emissions from motor vehicles. The implementation of the adopted standards is done through an electronic platform called “Mutabiq”. The adopted unique rating for vehicles and tires continues to raise fuel efficiency in addition to reducing CO2 emissions. As this example shows the contribution of standardization activities in achieving Goal 7 to promote energy efficiency and the transition to modern energy services.

Another example is the implementation of energy efficiency programs. GSO published standards and regulations for minimum energy efficiency performance requirements for electrical appliances. The aim is to compel the use of more energy efficient appliances to reduce emissions. The availability of international standards from IEC and ISO enabled GSO to easily publish such standards and adopt test methods from those international standards.

Compactly, GSO Standards and Technical Regulations can be categorized as tool that can be used to translate Sustainable Development Goals (SDGs) into solid plans of action.



GSO Achievements at a Glance

18 GSO Technical Committees (TCs)

8 GSO sub- Technical Committees

18 Working Groups

11 GULF Building code Technical Committees (TCs)



454 Technical Committees Members



26,000+ Gulf Standards,

covering a broad spectrum of products and services

1231 Gulf Technical Regulations

The GSO Strategic Plan 2021-2025

10 Initiatives supporting the SDGs





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GSO Standards and Regulations for the SDGs



GSO Standards and Regulations for the SDGs

10 out of 17 of the UN SDGs directly link to the focus of GSO standards Activities as a contribution of GSO Member States in achieving the social, economic, and environmental sustainability:

Linked Goals:

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION





هيئة التقييس

لدول مجلس التعاون لدول الخليج العربية
GCC Standardization Organization



SDG1 NO POVERTY

- GT-MSSD, Gulf Team for Management Systems and Sustainable Development
- GSO ISO 37001:2021 Anti-bribery management systems — Requirements with guidance for use
- GSO ISO/TR 19231:2016 Health informatics -- Survey of Health projects in low and middle-income countries (LMIC)



SDG2 ZERO HUNGER

- TC05, GSO Technical Committee for Food and Agricultural Products.
- GCC-WG-SR, Gulf Team for Social Responsibility
- GT-MSSD, Gulf Team for Management Systems and Sustainable Development
- ISO 34101, a series of standards on sustainable and traceable cocoa beans will specify requirements for a management system in cocoa bean farming.
- GSO ISO 26000:2010, Guidance on social responsibility



SDG3 GOOD HEALTH AND WELL-BEING

- GSO TC 11: Technical Committee for Medical Devices and Supplies
- GSO ISO 11137: Series for the sterilization of healthcare products by radiation
- GSO ISO 7153: Materials for surgical instruments





SDG4 QUALITY EDUCATION

- GT-MSSD, Gulf Team for Management Systems and Sustainable Development
- GSO ISO 21001: Educational organizations — Management systems for educational organizations — Requirements with guidance for use
- GSO ISO/IEC TR18120:2021: Information technology — Learning, education, and training — Requirements for e-textbooks in education



SDG6 CLEAN WATER AND SANITATION

- TC10, GSO Technical Committee for Water Production, Transport, and Distribution Equipment
- TC05, GSO Technical Committee for Food and Agricultural Products.
- TC15, GSO Technical Committee for Halal Products and Services
- GSO ISO 24518:2017: Activities relating to drinking water and wastewater services -- Crisis management of water utilities
- GSO ISO 24521:2021: Activities relating to drinking water and wastewater services — Guidelines for the management of basic on-site domestic wastewater services







SDG7 AFFORDABLE AND CLEAN ENERGY

- TC02-SC1, GSO Technical Subcommittee for Road Vehicles and Tires
- GBC-HC, Higher Committee for GCC Building Code
- TC06-SC1, GSO Technical Subcommittee for Green Buildings
- GBC-HC, Higher Committee for GCC Building Code
- GSO ISO 50001: Energy management systems — Requirements with guidance for use
- GSO ISO 9806: Solar energy -- Solar thermal collectors -- Test methods
- GSO ISO 17225-1:2016: Solid biofuels -- Fuel specifications and classes -- Part 1: General requirements
- GSO 2698:2022: Technical Requirements for Electric Vehicles









SDG 8 DECENT WORK AND ECONOMIC GROWTH

-  GT-MSSD, Gulf Team for Management Systems and Sustainable Development
-  GBC-HC, Higher Committee for GCC Building Code
-  BS EN 15643-4:2012: Sustainability of construction works. Assessment of buildings. Framework for the assessment of economic performance
-  GSOISO/IEC15944-4:2007: Information technology -- Business Operational View -- Part 4: Business transaction scenarios -- Accounting and economic ontology









SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

-  GT-MSSD, Gulf Team for Management Systems and Sustainable Development
-  GBC-HC, Higher Committee for GCC Building Code
-  TC06, GSO Technical Committee for Construction and Building Materials
-  GSO ISO 56002: Innovation management — Innovation management system — Guidance
-  GSO ISO/TS18110:2021: Nanotechnologies — Vocabularies for science, technology, and innovation indicators
-  GSO ISO/IEC 18598:2021: Information technology — Automated infrastructure management (AIM) systems — Requirements, data exchange, and applications










SDG11 SUSTAINABLE CITIES AND COMMUNITIES

-  GT-MSSD, Gulf Team for Management Systems and Sustainable Development
-  GBC-HC, Higher Committee for GCC Building Code
-  TC06, GSO Technical Committee for Construction and Building Materials
-  TC06-SC1, GSO Technical Subcommittee for Green Buildings
-  GSO ISO 37104:2019: Sustainable cities and communities — Transforming our cities — Guidance for practical local implementation of ISO 37101
-  GSO ISO 37106:2021: Sustainable cities and communities — Guidance on establishing smart city operating models for sustainable communities



SDG13 CLIMATE ACTION

-  GT-MSSD, Gulf Team for Management Systems and Sustainable Development
-  TC13, GSO Technical Committee for Renewable energy and its storage technologies
-  GBC-HC, Higher Committee for GCC Building Code
-  TC06-SC1, GSO Technical Subcommittee for Green Buildings
-  GSO ISO/TS 14092:2020: Adaptation to climate change — Requirements and guidance on adaptation planning for local governments and communities
-  GSO ISO 14090:2022: Adaptation to climate change — Principles, requirements, and guidelines
-  GSO ISO 14097:2021: Greenhouse gas management and related activities — Framework including principles and requirements for assessing and reporting investments and financing activities related to climate change



GSO Conformity Assessment Activities in Achieving SDGs



GSO Conformity Assessment (CA) Systems in Achieving SDGs

8 out of the 17 UN SDGs directly link to the focus of GSO Conformity Assessment Activities, where the mitigation of: social, economic, and environmental sustainability is GSO Conformity Assessment Activities.

Linked Goals:

3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



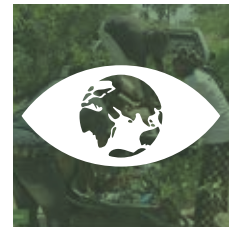
11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION






19 GSO Technical Committees (TCs) for Conformity Assessment

454 Technical Committees Members



SDG3 GOOD HEALTH AND WELL-BEING








Conformity Assessment Directorate at the GCC Standardization Organization (GSO) is working to enhance the safety of consumable products among GSO Member States. Where a huge set of mandatory safety requirement has been enforced covering the following essential products:

-  Motor Vehicles (Passenger and Commercial)
-  Tires
-  Motor Bikes
-  Children's Toys
-  Household Appliances (LV)

Where all the enforced safety requirements can reduce the possibility of deaths due to products related injuries.

In opposition, there is a significant impact on the human health quality duo to adopted efficiency labeling programs for Motor Vehicles, Tires, and Air Conditioners by GSO Conformity Assessment Directorate, as the adopted energy labeling reduce excessive amount of fuel (gasoline and diesel) and electricity generation while can lead to reduce the air pollution and enhance human life quality.

Relevant Regulations/Policies

-  GSO Technical Regulations for Motor Vehicles (Passenger and Commercial)
-  GSO Technical Regulations for Tires
-  GSO Technical Regulations for Motorcycles
-  General Product Safety Regulation
-  GSO Regulation on G-Marking
-  GSO Technical Regulation for Low Voltage Electrical Equipment and Appliances
-  GSO Technical Regulation for Children's Toys

Relevant e-Services



Mutabiq

<https://www.gso.org.sa/cc/>



G-Mark

www.gso.org.sa/gcts/












SDG4 QUALITY EDUCATION

Marking and instructions requirements are the most beneficial requirements stated in the GSO technical regulations, covering the following products:

-  Children's Toys
-  Household Appliances (LV)
-  Motor Vehicles (Passenger and Commercial)
-  Tires
-  Motor Bikes

As all manufacturers are responsible to provide the necessary product user manuals, product installation guides and safety warnings (the necessary knowledge) with or inside the product packaging for the product users.

Relevant Regulations/Policies	Relevant e-Services
<ul style="list-style-type: none">  GSO Technical Regulations for Motor Vehicles (Passenger and Commercial).  GSO Technical Regulations for Tires  GSO Technical Regulations for Motorcycles  General Product Safety Regulation  GSO Regulation on G-Marking  GSO Technical Regulation for Low Voltage Electrical Equipment and Appliances  GSO Technical Regulation for Children's Toys 	<div style="display: flex; align-items: center; margin-bottom: 20px;">  <div> <p>Mutabiq https://www.gso.org.sa/cc/</p> </div> </div> <div style="display: flex; align-items: center;">  <div> <p>G-Mark www.gso.org.sa/gcts/</p> </div> </div>



SDG7 AFFORDABLE AND CLEAN ENERGY

GSO Conformity Assessment (CA) Systems contributes to enhance using affordable and clean energy through several technical regulations. In the transportation sector, GSO is enforcing the Gulf Technical Regulation No. 42/2015 "vehicles - General Requirements". Starting from the 2018 models, it has been confirmed that vehicles are fitted with engines that are adequate to carbon emissions limits, according to the European system "Euro 4" standards.

Besides, GSO Conformity Assessment (CA) Systems promote Energy Efficiency (EE) labeling for Motor vehicles and tires to reduce energy consumption and reduce emissions. The presence of fuel economy allows the consumers to compare vehicles or tires and thus buy the most-efficient products. This contributes significantly to reducing fuel consumption.

Furthermore, GSO is enabling and facilitating using Electric Vehicles (EVs) in the Kingdom of Bahrain and the Sultanate of Oman (at the 1st stage) through issuing EVs conformity certificates that can be used to import/use electric vehicles in both countries (Kingdom of Bahrain and Sultanate of Oman).

Additionally, in the residential sector, GSO is issuing Energy Efficiency (EE) labels with minimum energy consumption requirements (MEPS) through electronic portal for the Kingdom of Bahrain and the Sultanate of Oman, where the impact of the energy labels is huge in saving energy and reduce CO2 emissions.

Relevant Regulations/Policies

-  **GSO Technical Regulations for Motor Vehicles**
 - (GSO42/2015): requirements for emissions (2018) MY onwards.
 - (GSO42/2015): requirements for vehicles fuel consumption labeling (2018) MY onwards.
 - (GSO42/2015): requirements for tires fuel consumption labeling from (2018) onwards.
-  **GSO Standards for Electric Vehicles (EVs)**
 - Mandatory local regulations for EVs in the Kingdom of Bahrain and the Sultanate of Oman

Relevant e-Services



Mutabiq
<https://www.gso.org.sa/cc/>



Energy Efficiency Rating Labels
<https://www.gso.org.sa/eer/>





SDG 8 DECENT WORK AND ECONOMIC GROWTH

GSO Conformity Assessment Activities contributes to accelerate all included activities in the Quality Infrastructure (QI) such as: testing, inspection, and certification activities in the region. Where GSO designating activities for CABs for G-Mark regulations (Gulf Technical Regulation for Low Voltage Electrical Equipment and Appliances and Gulf Technical Regulation for Children's Toys) support business continuity in the region.

Relevant Regulations/Policies

- GSO Notification Guidance

Relevant e-Services



GSO Notification System
www.gso.org.sa/ns/



SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

GSO Conformity Assessment (CA) Systems covers the most effective pilers in the Quality Infrastructure (QI) in way to support the industry and promote innovation as cultural behavior in the region. GSO legislative framework meets the highest requirements of safety and efficiency by endorsing the related Quality Infrastructure (QI) pilers, including the implementation and establishment of Proficiency Testing (PT) programs, that can offer an opportunity to develop testing and calibration laboratories sector business in the region.

Relevant Regulations/Policies

- GSO Proficiency Testing (PT) Protocols

Relevant e-Services



GSO Proficiency Testing (PT) Webpage
www.gso.org.sa/en/conformity/-proficiency-testing/



SDG 11 SUSTAINABLE CITIES AND COMMUNITIES



SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG 13 CLIMATE ACTION

