

Directions of Gulf Technical Regulations and Energy Rationalization labels for AC in GCC Member States

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Dubai 13th September 2022.







GSO... in brief





- Regional Standardization Organization (RSO) (Standards, Conformity Assessment and Metrology systems)
- Inter-governmental organization (IGO)
- Established in December 2001
- Operated in May 2004
- Has GCC Member States (UAE, BH, SA, OM, QA, KW) and Yemen
- Headquarter: Riyadh, Kingdom of Saudi Arabia





Headquarter: Riyadh, Saudi Arabia



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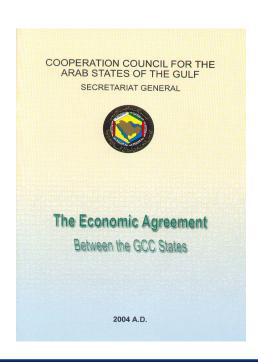






GSO's Mandates

- Support The GCC Economic Agreement,
- in accomplishing GCC Common Market,
- a regional single market & a customs union, and single-entry point
- intra/inter TRADE facilitation and Free product circulation, by:
- ✓ avoiding or removing technical barriers to trade.
- ✓ setting up the ESSENTIAL REQUIREMENTS
- ✓ providing effective technical tools for implementation
- ✓ consumers protection









Strategic Objectives

- Meeting GCC economic objectives
- Capacity building.
- Participation of all stakeholders.
- Spreading "Standardization" awareness.
- Positive participation in various international forums & activities









integration and interdependence between the member states of the Gulf Cooperation Council in the areas of organizing and unifying standardization activities and following up on their implementation to ensure the safety of products, efficiency of services and ease of transfer in the Gulf common market, in addition to consumer protection to improve the quality of life in GCC member states and strengthen their economies to compete in global markets.





the Gulf common market.

GSO Members



National Standards Bodies (NSBs)

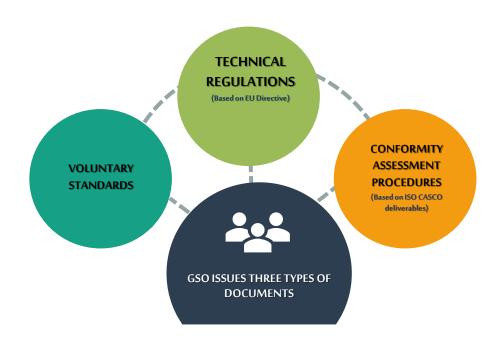








GSO... Issues three types of documents

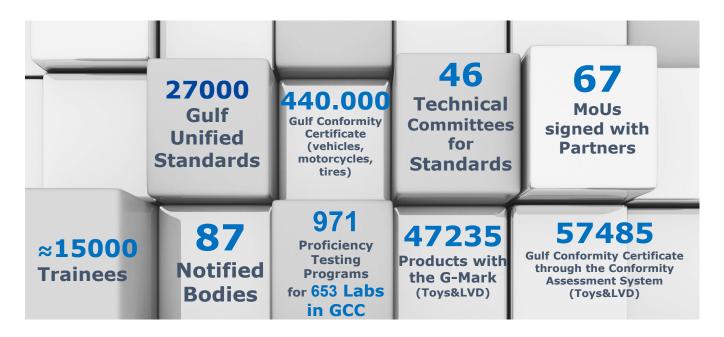








GSO... in figures



2021 GSO Report





Technical Regulation Development

- **Existing Technical Regulations**
- Comprise Horizontal TRs applicable to all Types of products or risks:
 - General Safety of products,
 - Gulf Conformity Marking,
 - Notified Bodies,
- Comprise Sectorial TRs applicable to Specific Types of products or risks:
 - Toys
 - LV Electrical Equipment & Appliances







Gulf LV TR-Conformity

- Gradual Implementation for 13 groups of products
- S Presumption of conformity with Gulf Standards.
- S Presumption of conformity with International Standards (IEC).
- Compare the standards apply, however TWO years considered for a transition period.
- Manufacturer Declaration of Conformity / Importer Declaration of Conformity.
- Electrical equipment made available on the market shall bear the Gulf Conformity Marking (GC Marking).











Gulf LV TR-Conformity Assessment

Electrical equipment with the IECEE CB SCHEME certificate of conformity, which must take into account the national deviations of Member states including Gulf Conformity Marking).







GSO NOTIFIED BODIES

WWW.GSO.ORG.SA/NB









GSO Notified Bodies

www.gso.org.sa/nb

- Designation and notification by GSO G
- Applicable Technical requirements on competency (derive from ISO/CASCO Standards).
- Designation open to CABs situated outside of member states territory.
- provided they have a legal representation in member states territory) and liability insurance.







Notified Bodies are acessible on-line

• www.gso.org.sa/nb

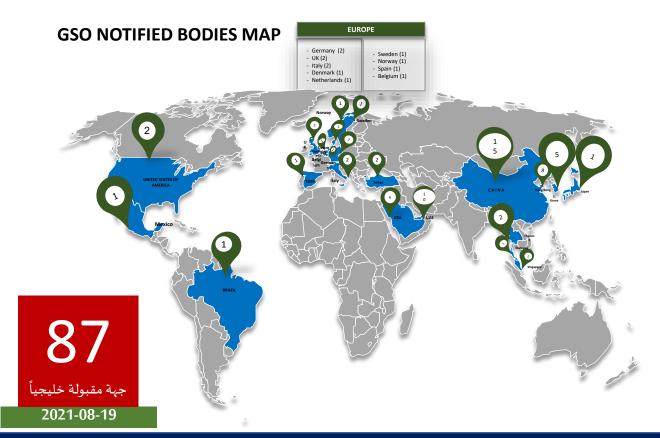
Notified Body Notification No. or Branch Name		Country	Country		Technical Regulation		Notification Status	
		All	*	All ▼		All		
Notification Number	Notified Body/Branch Name		Country	Technical Re	gulation	Not	tification Status	
0002	Emirates Authority for Standardization and Metro	ology (ESMA)	=			oys	Notified Notified	
0003	SGS Gulf Limited		=			.VD oys	Notified Notified	
0004	UL VS Hong Kong Limited				Т	oys 🔲	Notified	
005	Intertek Testing Services Hong Kong Ltd		*			.VD oys	Notified Notified	
0006	China Quality Certification Center (CQC)	uality Certification Center (CQC)				.VD	Notified	
						oys .VD	Notified Notified	
0007	TUV Rheinland Hong Kong TON Breinland Hong Kong		*					



















GSO Conformity Tracking System GSO Conformity Tracking Symbol GCTS Rules - Tools





A symbol provided by the GSO, consisting of (1) the Gulf Conformity Marking, and (2) the QR Code. This symbol is generated by GSO Certificate Tracking System

- GCTS is not a quality mark.
- GCTS is not registration system

GCTS is a result of CAPs as in GSO Technical Regulation

https://www.gso.org.sa/wp-content/uploads/2017/11/"Gulf-Conformity-Tracking-Symbol"-GCTS.pdf











GCTS for Certificates









Affixing GCTS for certificates is mandatory on Gulf Type Examination Certificates first/front page





- Quick and in-time information available for all product bearing GCTS in the GCC market.
- A DATA BASE covering all products bearing GCTS which circulation in GSO member states markets including up-to-date information about the current situation of conformity
- Efficient co-operation and communication with CUSTOMS authorities and Market Surveillance authorities through GPPT group.
- Make the GCT System available for public.
- An effective means to inform the competent authorities about unsafe products.





GSO Certificate Tracking System:

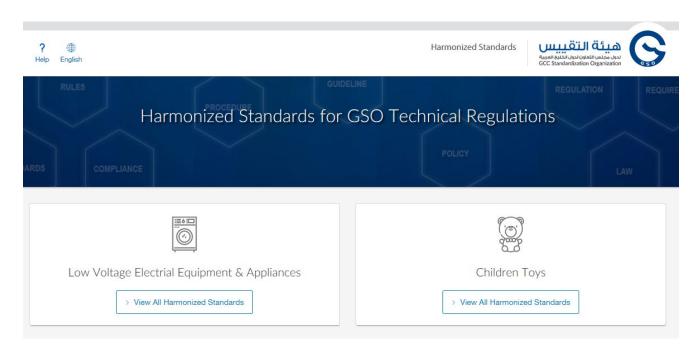
- Platform for NBs to document all products which subject to its procedures.
- GSO Conformity Tracking Symbol (GCTS) will generated by this system.
- Competent authorities in GSO member states has the right to use this system by scanning the GCTS.







Harmonized Standards



https://www.gso.org.sa/harmonized-standards/







Home Products Certificates Notified Bodies More ▼





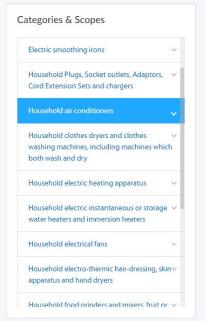


Download Guidance



Low Voltage Electrical Equipment & Appliances

Standards requirements of GSO Technical Regulations



ectrical air-conditioners		
Safety Harmonized Standards		
⊕ GSO IEC 60335-1		
⊞ GSO IEC 60335-2-40		
EMC Harmonized Standards		
⊕ GSO CISPR 14-1		
⊕ CISPR 11		
⊕ GSO IEC 61000-3-2		
⊕ IEC 61000-6-3		
⊕ GSO IEC 61000-6-1		
⊕ GSO IEC 61000-3-12		









HS Code 84151000 84151010 84151020

Notes

The scope includes air-conditioners suitable for fixing on windows, walls, floors or roof, consisting of a single or separate body with no limitation of capacity.

The following types are considered out of scope:

- Central air conditioning machines covered by HS codes 84 15 82 20 and 84 15 83 20
- Appliances used to change the humidity conditions only

Excluded: all room cooling systems (Vented / Ducted); heat pumps, including sanitary hot water heat pumps; air purifiers

Household air conditioners

In Scope

The scope includes

- electric air conditioners incorporating motor-compressors and hydronic fan coils units
- partial units (e.g. indoor / outdoor units shipped separately)

Out of Scope

The scope excludes

- central air conditioning machines;
- air conditioners for non-residential applications such as industrial and similar use
- evaporative air coolers;
- heat pumps, including sanitary hot water heat pumps;
- dehumidifiers:
- air purifiers;
- fans to be incorporated in air conditioning equipment;
- supplementary heaters to be incorporated in air conditioning equipment;
- humidifiers intended for use with heating and cooling equipment;
- automotive air conditioners.

















GSO Strategy 2021-2025











GSO upcoming 2025 Strategy

The Technical Council determined three pillars for the upcoming 2025 Strategy:

- 1. Organization Excellence.
- 2. Pioneer regional Organization
- 3. GCC Economic integration enhancement.

So that all strategic goals will be linked to the above pillars.







GSO Thoughts on Participation and Coordination

WAY FOR IMPROVEMENT

GSO & Economic Operators Dialog.





www.GSO.org.sa





Regulatory Process: Factors for success



- **❖** Affected by Quality of TRs
- Trade Facilitation
- Transparency
- For better Regulation
- ❖ Expertise, Impartiality









- 1st GSO-EOs meeting (Bahrain, January 26th 2017)
- 2nd GSO-EOs meeting (Oman, April 1st 2019)
- 3rd GSO-EOs Online meeting (December 14th, 2020)
- 4th GSO-EOs Hybrid meeting (Riyadh, June 13th 2022)





Participation of Economic Operators

GSO is seeking to enhance cooperation with EOs to ensure:

- Input from EOs at early stage in legislative process
- Effective participation and preparation for TRs development
- Expertise and better alternatives for:
 - > Technical Requirements;
 - Conformity Assessment Procedures
- Spreading awareness and Training on Technical Regulations
- Effective and smooth implementation of TRs



Thoughts on ways for cooperation













COOPERATION & PARTICIPATION WAY FOR IMPROVEMENT

Thoughts on Topics for discussion

Coordination, cooperation Regulatory process Enforcement 3 Clarifying and Information, Participation & taking national communication, transparency policies in Better awareness account Regulations Coordination, Continuous Approach to CAP consistent platform for implementation. discussion and improvement







Safety and minimum energy performance



For safety and EMC matters:

The product shall fulfill the requirements of GSO Technical **Regulation LV**



For Energy performances:

The product shall be classified according to the Energy labelling Classification.









Comparison table – domestic air conditioners

	KSA	UAE	Qatar	Bahrain	Kuwait	Oman
Standard	SASO 2663	UAE.S 5510-1	QS 2663	AC Regulation	KWS 1893	GSO 2530
Laboratory	SASO-registered	ISO 17025	ISO 17025	ISO 17025	ISO 17025	ISO 17025
Registration with	SEEC	MOIAT	QS	BTMD	PAI	DGSM
Verification by	SASO	ECAS NB	QS	BTMD NB	KUCAS NB	DGSM NB
Certificate	SL&S	ECAS	QS	BTMD	PAI	DGSM
Validity	1 year	1 year	1 year	3 years	3 years	3 years
Labelling	7-bars (A-G)	5-stars	9-stars	6-stars	10-stars	10-stars
Traceability	QR code	RFID tag	-	QR code	QR code	QR code





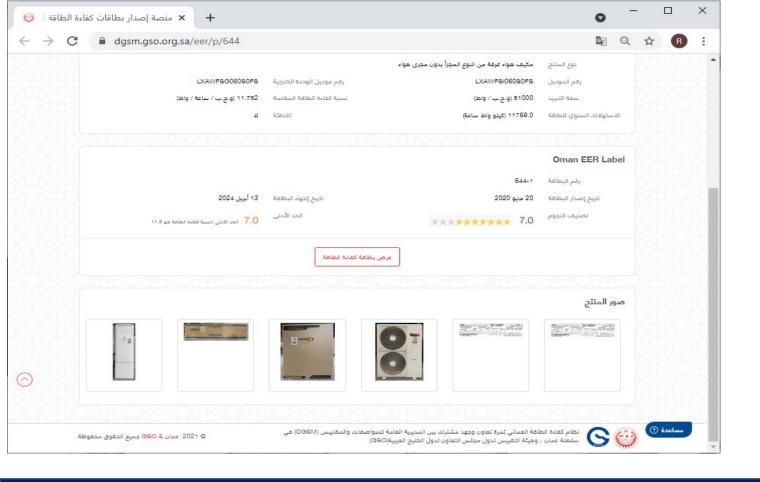


Oman Energy Efficiency Plat form Since July 2019





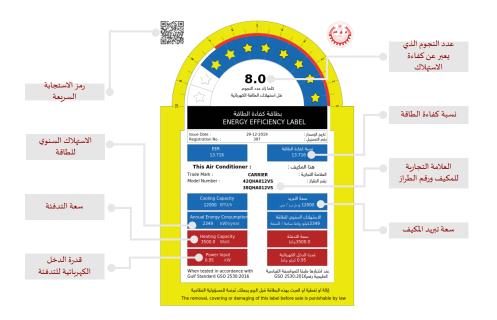






















REGISTRATION LETTER

Oman Energy Efficiency Labelling Scheme for Air Conditioners

Registration No:	644	GCTS No:	31370	Issue Date:	2020-05-20	Expiry Date:	2024-04-1
Manufacturer:		rfacturing Co.B.8 , Road No.108, Er rial Area		Nock S	類		C
Product:	Non-ducted split type				1/25		
Brand:	LENNOX				187 .	7.0	
Model No.:	LXAWFSI060S0FS (Indoor Unit) LXAWFS0060S0FS (Outdoor Unit)				AMINI AND AMIN ENERGY EFFICIENCY LABEL		
EER Value:	11.752	Star Rating:	7		Insue Date: Registration No. :		- (Second page - Argentie pag - Argentie Argenti
Approved by	Notified Body	No. 2			This Air Conditi Trace Mark : Hadel Number :		ال 100 غراضا الح : غراضا الماما ولم الطرار :
SGS	SGS Gulf Limit Dubai- JAFZA - 18556, Jebel Al UNITED ARAB	South- Office: S3 Free Zone	8A1SR01- P.O.	Box:	Counting Coperating 62 and 67 and Annual Energy Consul 12.798 (Ministration)	The second secon	20 ton 12 p 12 000 and 20 and 12 ph/ 12 700
The product is register for Air Conditioners by			abeling Scheme			_	
Authorized by						FOR WITH SEALOR	

Director of Conformity Dept., DGSM

This electronically generated approval letter is valid without stamp and signature. Visit the Oman EER website (https://dgsm.gso.org.sa/eer/) or scan the QR code to verify this document and the Energy Efficiency label.

Conditions:

- removed from its packaging for display purposes. Additional label may be attached to the exterior of the packaging.
- The manufacturer shall report any technical changes of the product to the Notified Body for review and approval.
- The manufacturer shall apply for renewal of this approval by the Notified Body within 3 months prior to expiry.
- The manufacturer shall conduct annual reconfirmation of this registration per electronic declaration through the Oman EER website (https:// dgsm.gso.org.sa/eer/). The DGSM will charge annual labeling fees to the manufacturer in order to maintain registration. The declaration shall be submitted within 2 months prior to the below indicated due dates for reconfirmation.

2023-04-13

MPORTANT: Please observe these dates to maintain validity of the Energy Efficiency Labelling

Issue date: 2020-05-20 1st reconfirmation due by: 2022-04-13

2nd reconfirmation due by:

Renewal of approval due by: 2024-04-13











2. The label must comply with the dimensions required by GSO 2530/2016 and be adhered on the front of the unit. It shall be visible when the unit is



Oman Energy Efficiency Plat form Since July 2019



15 **Notified Bodies**







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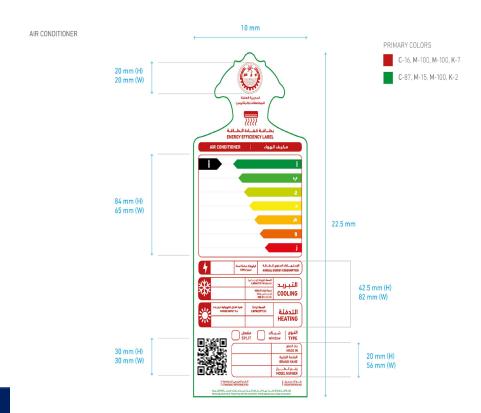
Approved Products







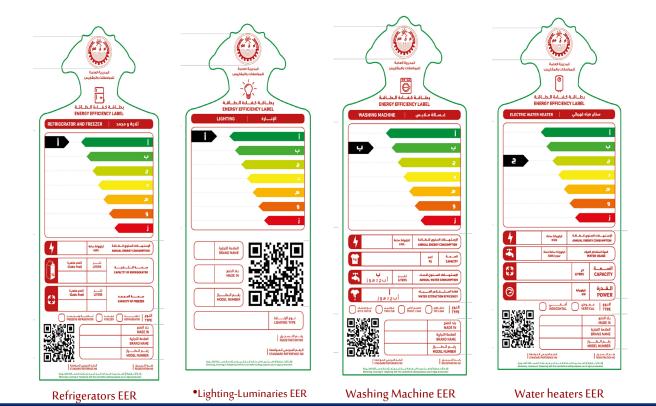
AC new EER Label-under development







Other Products new EER Label-under development



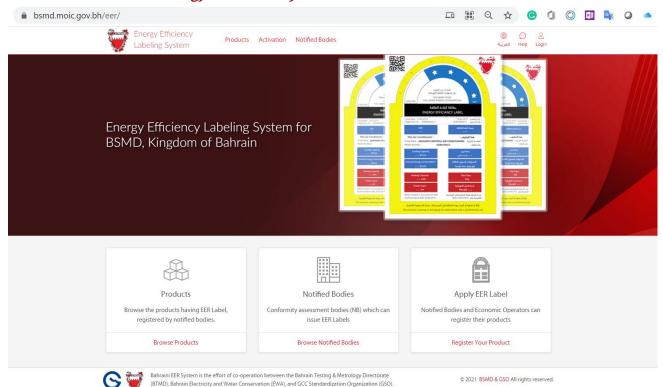








Bahrain Energy Efficiency Platform

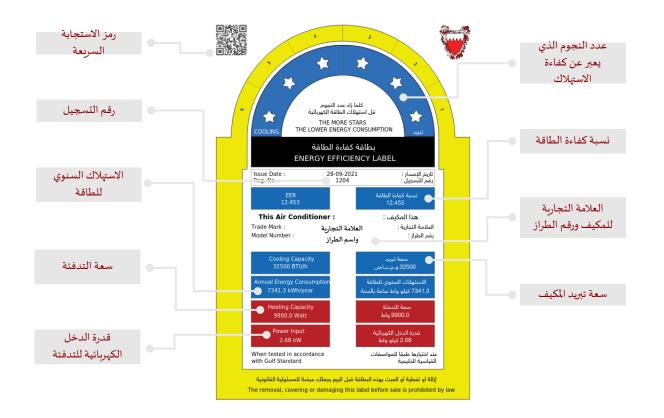








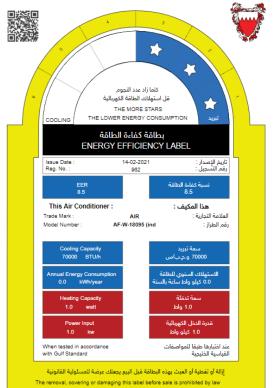












126 mm













LETTER OF APPROVAL

Bahrain Energy Efficiency Labelling Scheme for Air Conditioners



Chief of Standards Implementation & QA Section

This electronically generated approval letter is valid without stamp and signature. Visit the Bahrain EER website (https://bsmd.moic.gov.bh/eer) or scan the QR code to verify this document and the Energy Efficiency label.

Conditions:

- 1. This registration grants permission to the manufacturer to use the energy efficiency label according to Bahrain Ministerial decree (70/2015) for the aboveindicated product. The validity of this registration is subject to the related Rules & Regulations of the Kingdom of Bahrain, and any instructions or amendments issued by BTMD.
- 2. The label must comptly with the dimensions required by Bahrain Ministerial decree (70/2015) and be adhered on the front of the unit. It shall be visible when the unit is removed from its packaging for display purposes. Additional label may be attached to the exterior of the packaging. The manufacturer shall report any technical changes of the product to the Notified Body for review and approval.
- 4. The manufacturer shall apply for renewal of this approval by the Notified Body within 3 months prior to expiry.
- 5. The manufacturer shall conduct annual reconfirmation of this registration per electronic declaration through the Bahrain EER website (https:// bsmd moic gov bh/eer). The BTMD will charge annual labeling fees to the manufacturer in order to maintain registration. The declaration shall be submitted within 2 months prior to the below indicated due dates for reconfirmation.

IMPORTANT: Please observe these dates to maintain validity of the Energy Efficiency Labelling								
Issue date:	1st reconfirmation due by:	2nd reconfirmation due by:	Renewal of approval due by:					
2021-02-14	2022-11-27	2023-11-27	2024-11-27					













Bahrain Energy Efficiency Platform Since May 2021





14

Notified

Bodies

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Approved

Products











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Mr. Basem Salameh. Senior Technical Regulation Specialist, GSO

Dubai 13th September 2022.









