



# GULF ASSOCIATION FOR METROLOGY

Regional Metrology Organization(RMO)



SIM GA  
12 Nov. 2021

# About *GULFMET*



**GULFMET**, is a Regional Metrology Organization (RMO) established under the auspices of [GCC Standardization Organization \(GSO\)](#), bringing together National Metrology Institutes (NMIs) of the United Arab Emirates, Kingdom of Bahrain, Kingdom of Saudi Arabia, Sultanate of Oman, State of Qatar and State of Kuwait.



**GULFMET** was established pursuant to GSO Board of Directors'\* decision in its meeting No.12 (Kuwait, 2 June 2010)

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\*GSO Board of Directors consists of **Trade and Industry Ministers in GCC Countries**

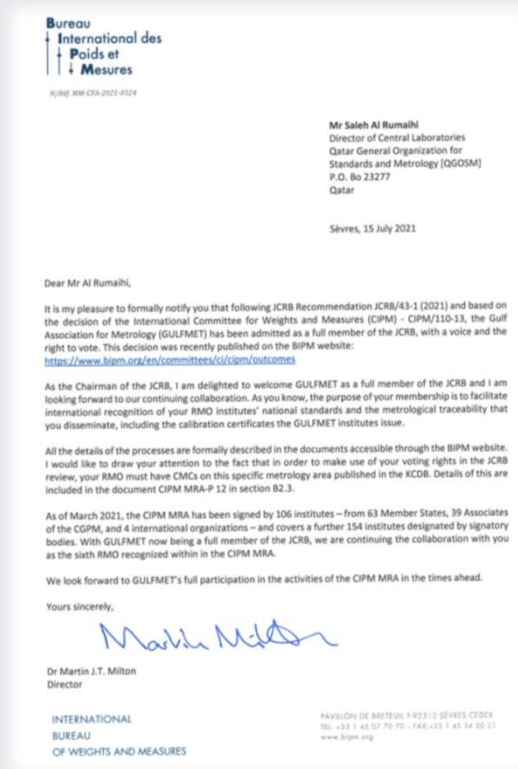
# JCRB MEMBERSHIP



## Decision CIPM/110-13 (2021)

Following JCRB Recommendation JCRB/43-1 (2021), the CIPM decided to admit the regional metrology organization Gulf Association for Metrology (GULFMET) as a full member of the JCRB, with a voice and the right to vote.

We are pleased to extend my sincere thanks and gratitude to the CIPM, BIPM and all RMO representatives for the kind recommendation to the CIPM to admit GULFMET as a full member of the JCRB, with a voice and the right to vote.



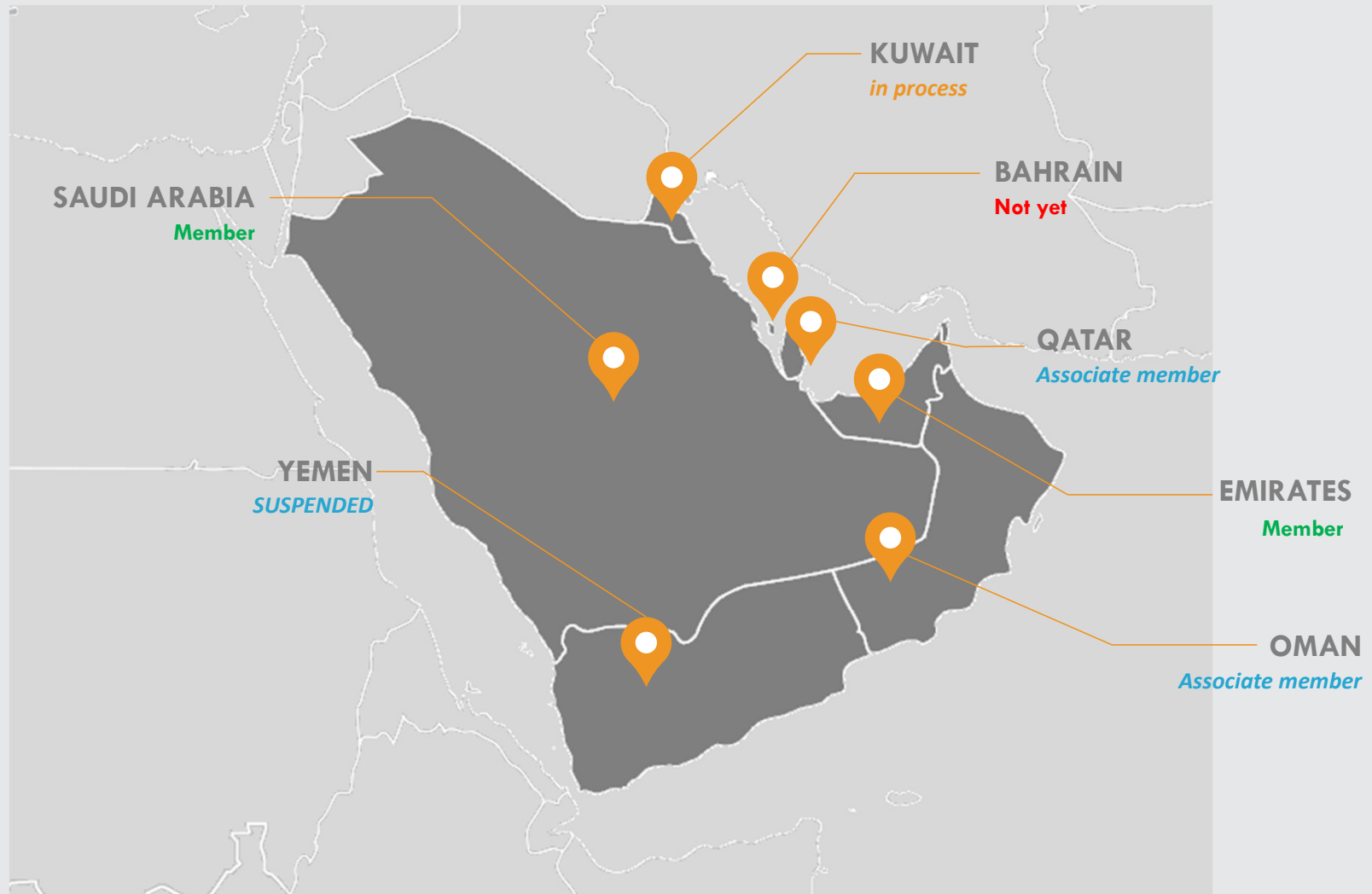
Thank You



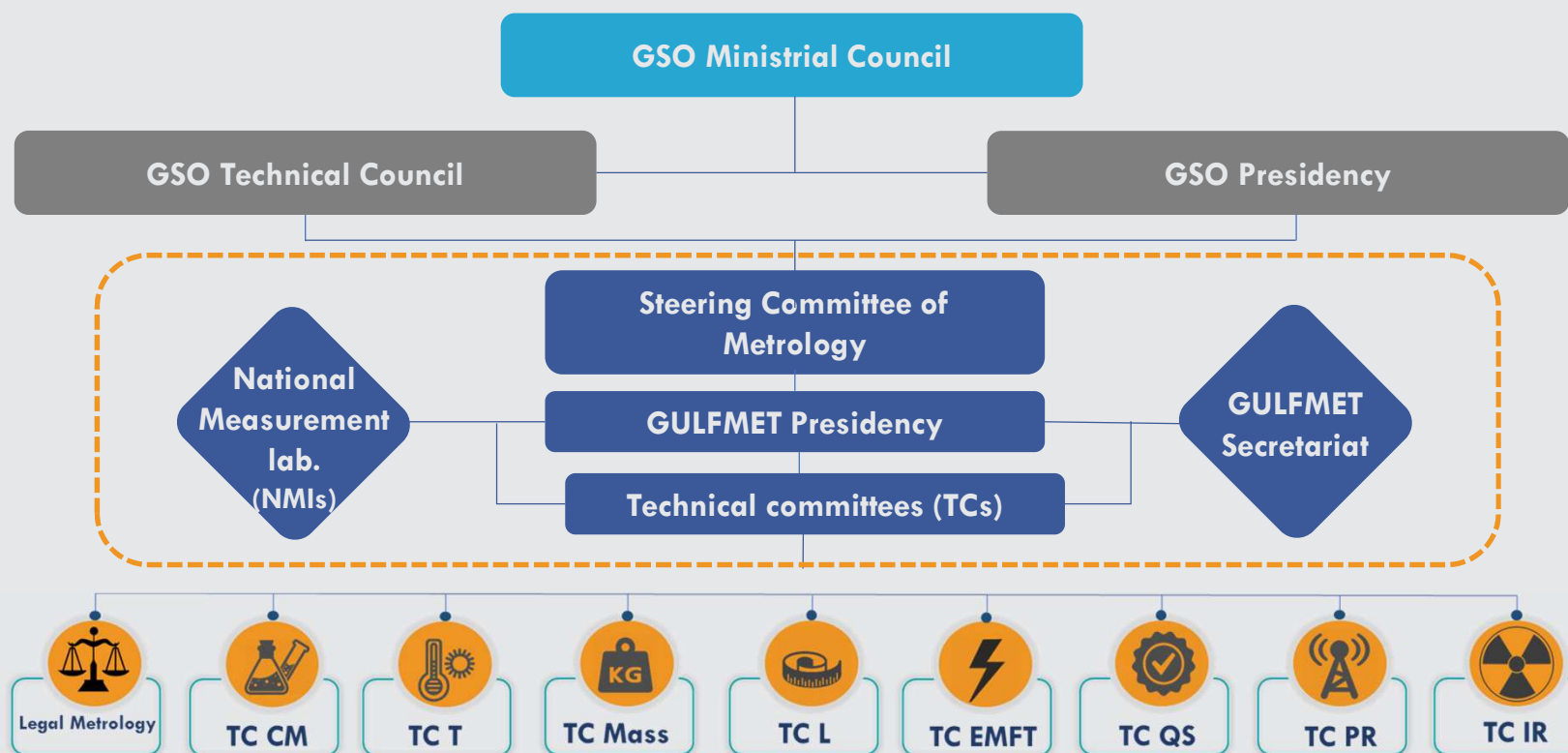
# Members & Associated Members



# BIPM Membership status



# GULFMET STRUCTURE



# GULFMET STRATEGY



## VISION



Establish a self-sufficient  
and sustainable  
internationally recognized  
RMO



# GOALS



**EFFECTIVELY SUPPORT**  
stakeholders through  
cooperation and  
coordination

**SUPPORT**  
Researches and  
studies in the field of  
Metrology

**FACILITATE**  
the recognition  
of CMC,s of member  
states

**STRENGTHEN**  
TCs capabilities

1

2

3

4



# GOALS



## DEVELOP

partnership with other  
RMOs and international  
organizations

5

## SUPPORT

member states to fulfill  
CIPM-MRA  
requirements

6

## CAPACITY BUILDING

by providing proper  
training for member  
states.

7

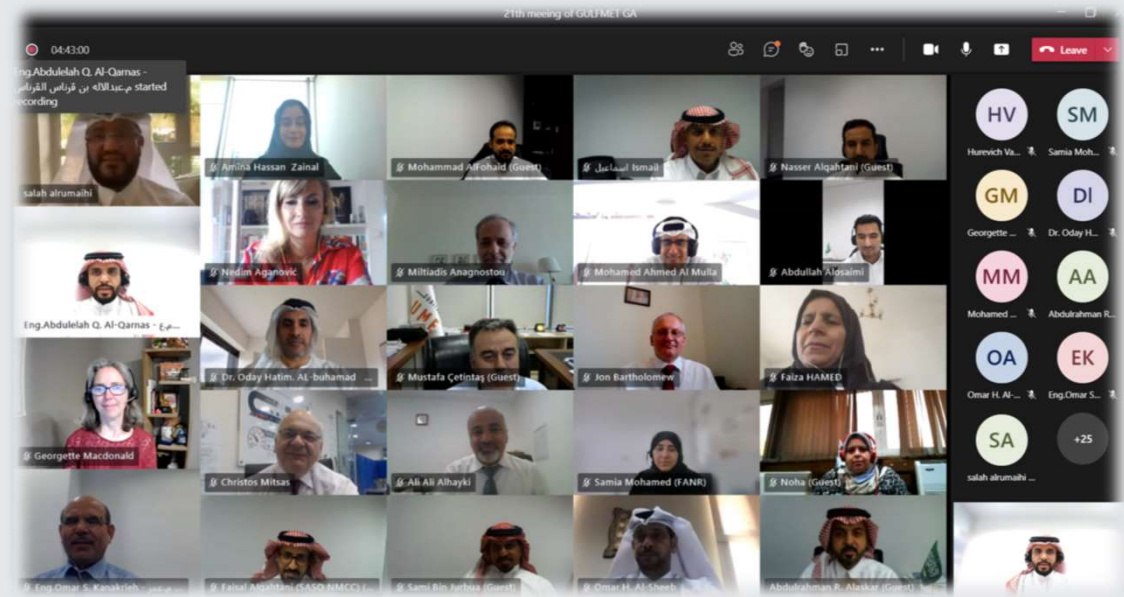
# GULFMET GA Meeting



The 21<sup>st</sup> GULFMET GA meeting and Steering Committee of Metrology were held Online on 09<sup>th</sup> June 2021.

## Highlights of the meeting

- Participation of all member states.
- Participation of other RMOs (APMP, AFRIMETS, SIM, COOMET).
- Participation of all Associate members (SCL, NIS, UME, KRISS, IMBIIH) representatives have presented
- elections of GULFMET TCs Chairs and Secretaries.
- Assign Mr. Jon Bartholomew as “TC Chair and Secretary Leader”.
- e GULFMET flyer task force .
- Next GA will be held on 2<sup>nd</sup> week of November 2021.



# GULFMET TCs Meetings



## GULFMET Week Event (Video Conference)

Schedule (June 06 – 10, 2021)

Time	Sunday 6 Jun. 2021	Monday 7 Jun. 2021	Tuesday 8 Jun. 2021	Wednesday 9 Jun. 2021	Thursday 10 Jun. 2021
001:00 – 110	Joint session	Joint session	Joint session		
11:00 - 13:00	TC Mass	TC QS	TC T	21 <sup>st</sup> meeting of GULFMET GA	32 <sup>nd</sup> meeting of Steering Committee of Metrology
	TC L	TC PR	TC CM		
	TC Legal Metrology	TC IR	TC EMFT		



# key and supplementary comparisons

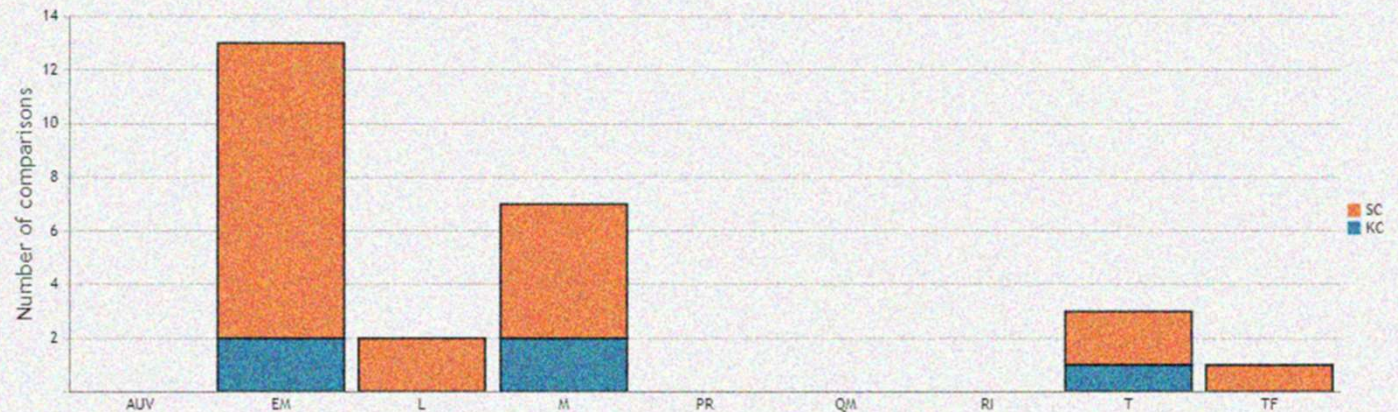


## Organization

GULFMET 26

## Pilot Country

Turkey 16  
Ukraine 5  
United Arab Emirates 4  
Hong Kong 1



Number of key and supplementary comparisons by metrology area



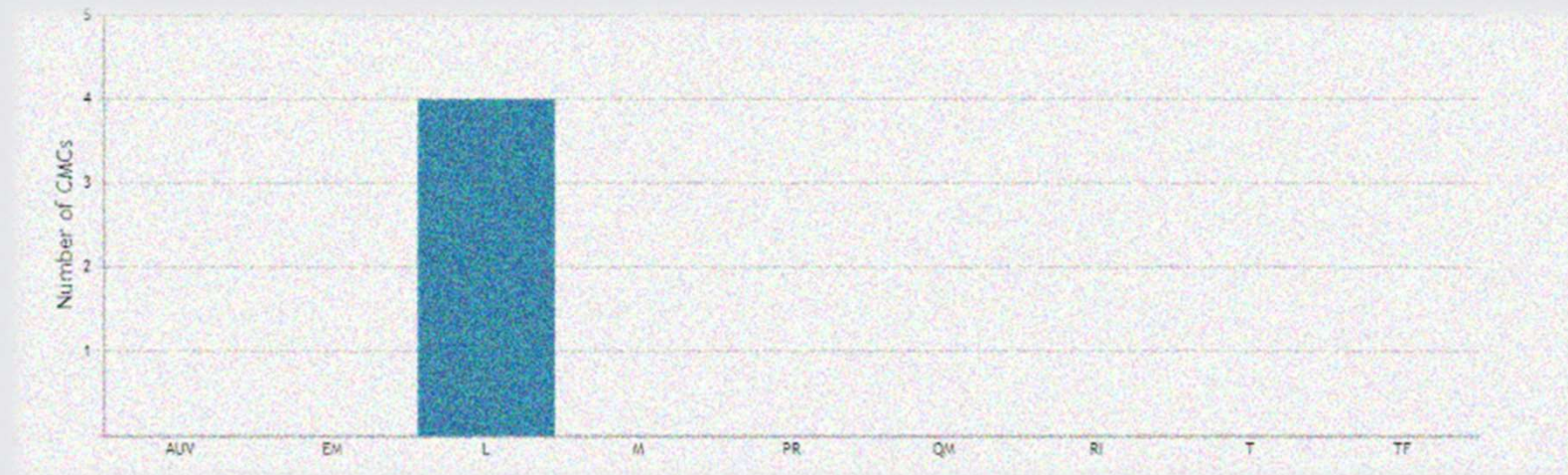
# CMC statistics



4 NOVEMBER 2021

LENGTH - GULFMET

4 new CMCs in Dimensional metrology and Laser radiation have recently been published in the KCDB for Saudi Arabia via GULFMET. These are the very first CMCs published in Length by GULFMET.



Number of CMCs by metrology area

**greyed out** (moving the facilities)

8 OCTOBER 2020

Time and Frequency - GULFMET

The very first CMCs for GULFMET have been published in the KCDB. These 4 services are in Time and Frequency, declared by the United Arab Emirates.

# GULFMET R&D



## GULFMET R&D Project



## Development of Transfer Standards for Traceability of Hardness Diamond Indenter Calibration Systems

The outcomes of this Project will provide;

1. Wider range of CMC covering the whole possible measurement points
2. CMC for all parameters related to primary diamond indenter calibration in Rockwell and Vickers scales
3. Higher level of CMC, much better uncertainty, one of the bests in the world
4. Independency in CMC, internally achieved traceability for calibration of diamond indenters (except for radius measurements which needs  $\mu$ CMM measurement)

The production of the transfer standards will provide the opportunity to establish traceability within the NMI or country in Republic of Turkey and Saudi Arabia

# Building Technical Competency



## Training Course

1- Workshop on  
“PEER C Review Tool for Continual Improvement ”

Online, 30-31 March 2021

2- Workshop on “CMC Review ”

Online, 6 April 2021

3- Workshop on “KCDB 2.0”

Online, 7 April 2021

4- Workshop on  
“GULFMET guidelines and procedures workshop...”

Online, 7 April 2021



The collage features three main promotional images for GULFMET training programs:

- Top Right:** "Peer review Tool for Continual Improvement" featuring Dr. Enver Sadikoglu, Chief Researcher and Quality Manager of TÜBITAK ÜME. The course is scheduled for 30-31 March 2021, from 10:00 to 13:00, in English.
- Middle Right:** "GULFMET Workshop on CMCs Review" featuring Dr. Christos Mitsas (Head of Mass, Volume & Flow Laboratory) and Mr. Jon Bartholomew (Head of Electricity, Time & Frequency Laboratory). The workshop is on 06 April 2021, from 09:00 am to 12:00 pm Riyadh time, in English.
- Bottom Center:** "KCDB 2.0" featuring a panel of speakers: Andy Henson (BIPM ILK Department Director), Susanne Picard (KCDB Coordinator, BIPM), Stephanie Maniguet (KCDB Assistant, BIPM), Sten Bergstrand (JCR Executive Secretary), and Chingis Kuanbayev (BIPM CBKT Programme Manager). The workshop is on 07 April 2021, from 11:00 am to 02:00 pm Riyadh time, in English.

Each image includes the GULFMET logo, a QR code for registration, and the website www.GSO.org.sa.

# Building Technical Competency



## Upcoming Training Course

1- Workshop on “Ionizing Radiation laboratories and QMS based on ISO /IEC 17025 ”

Online, 2<sup>nd</sup> Nov. 2021

2- Workshop on “Radiation Protection field Cs-137 and X-ray N-series based on ISO 4037”

Online, 16<sup>th</sup> Nov. 2021

**ULFMET**  
الجمعية الخليجية للمقاييس

Ms. Samia Mohammed  
Dr. Mehenna Arib

02 November 2021  
10:00 – 13:00  
Riyadh Time  
TC chairs & related technicians  
English

Ionizing Radiation Laboratories and QMS based on ISO/IEC 17025 standard

نظم إدارة  
الجودة في مختبرات  
الإشعاعات المؤينة بناء  
على متطلبات المواصفة  
الدولية ISO/IEC 17025

**ULFMET**  
الجمعية الخليجية للمقاييس

Ms. Samia Mohammed  
Dr. Mehenna Arib

10:00 – 13:00  
Riyadh Time  
16 November 2021  
TC chairs & related technicians  
English

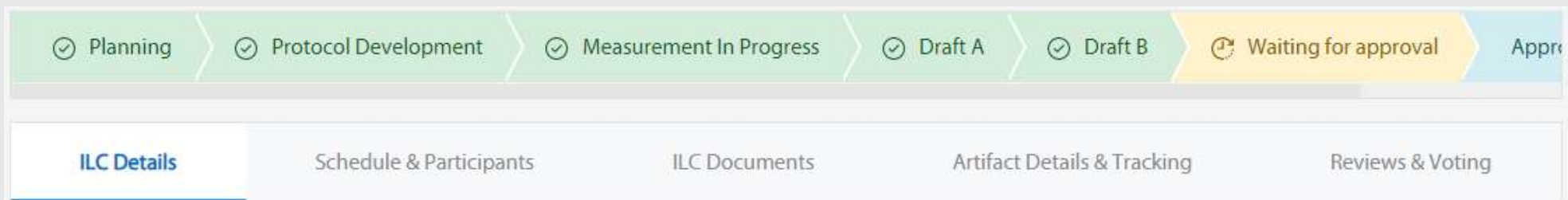
الحماية من الإشعاعات المؤينة  
Cs-137 والأشعة السينية بناء  
على المواصفة الدولية ISO  
4037: 2019  
Radiation Protection Cs-137  
and X-ray field based on ISO  
4037:2019 standard

WWw.gulfmet.ORG  
Reliable Measurements - قياسات موثوقة





# GULFMET ILCs Platform



## Platform Features

- I. Create GULFMET ILCs
- II. Create a schedule of ILCs
- III. Follow up GULFMET ILCs
- IV. Tracking the artifact
- V. The ability to review and vote on ILC protocol
- VI. Upload the necessary documents
- VII. The possibility of TC chair to follow up the program step by step

The screenshot displays the GULFMET ILCs Platform interface. The top navigation bar includes the GULFMET logo, the text "Inter-Laboratory Comparison", and links for Home, Comparisons, and About GULFMET. The main content area is titled "Comparisons" and features a "Comparisons List" with search and filter options. The list shows three comparisons: M.M-K2, QM.E-K18, and QM.E-K70. Each comparison entry includes a "Schedule" button, an "In Progress" status, and a "Key Comparison" label. A detailed view of the GULFMET.T-S3 comparison is shown in the foreground, displaying its progress (Schedule, Protocol, Measurements, Draft A, Draft B, Final Report) and various details including technical details, schedule, participants, and active documents.



# World Metrology Day 2021

## NMCC /SASO celebration

The International Metrology Forum under the theme "Measurement for Health" on May 25th, 2021,, under the patronage of His Excellency the Minister of Commerce, Chairman of the Board of Directors of SASO, Dr. Majid bin Abdullah Al-Kasabi.

The 2021 poster was designed by SASO under the auspices of GULFMET



The forum are conducted by the participation of Dr. Martin Milton, (BIPM), Mr. Anthony Donnellan, (OIML), Prof. Graham Machin (NPL), United Kingdom,



**T H A N K S**



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