



ILAC
The International Laboratory
Accreditation Cooperation

**The Role of Accreditation in Disseminating
Metrological Traceability**

ILAC Chair

Merih Malmqvist Nilsson

26th CGPM Meeting (13 Nov. 2018) – Versailles, France

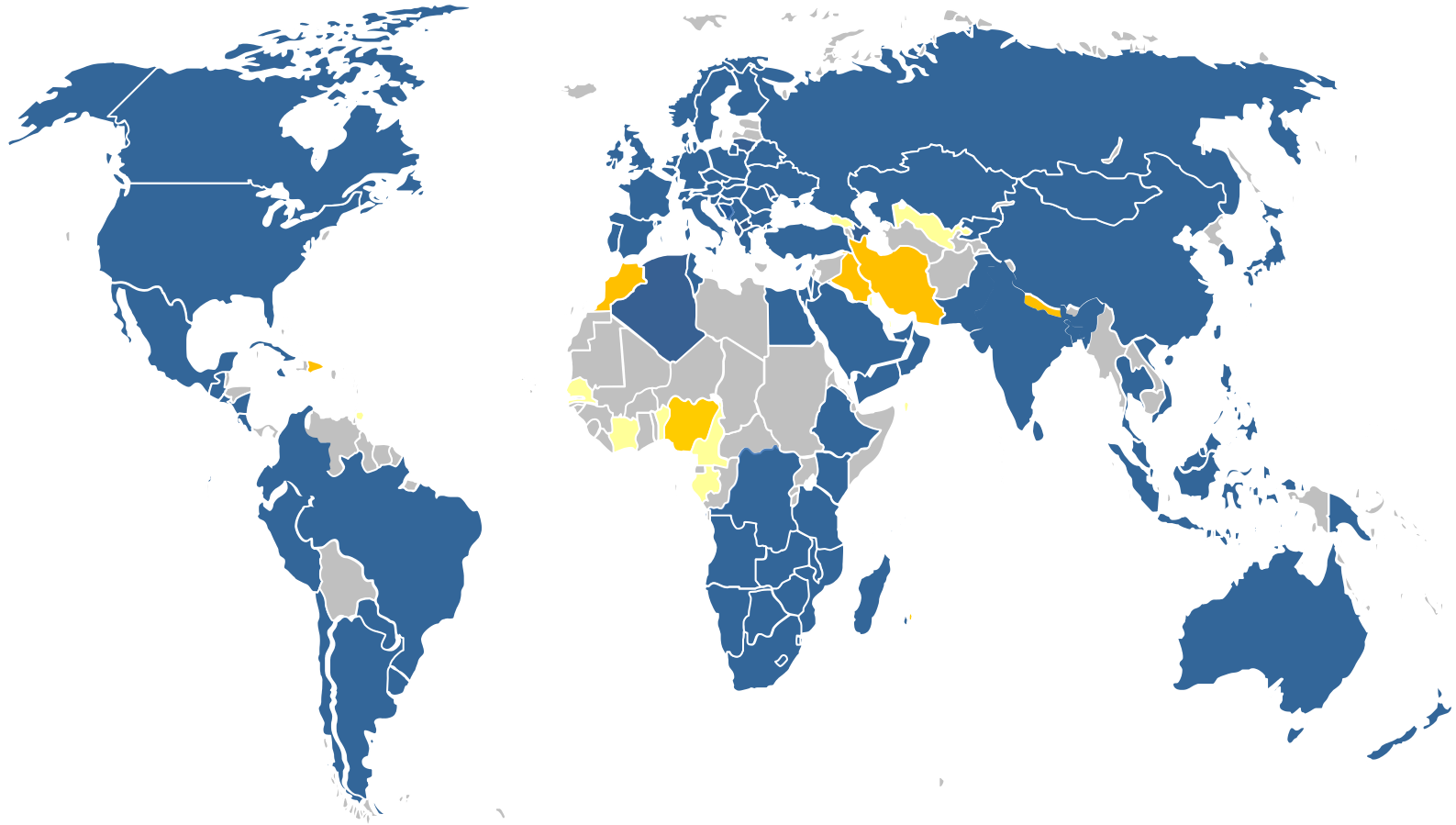
Global Vision



Accredited once accepted everywhere

Through elimination of technical barriers
In support of free trade

Coverage of the ILAC MRA (November 2018)



- ILAC MRA Signatories
- ILAC Associate Members
- ILAC Affiliate Members

Status of the ILAC MRA (Nov 2018)



- The ILAC network of members includes 153 bodies from 126 different economies (100 Full Members/MRA Signatories, 13 Associates, 10 Affiliates, 24 Stakeholders, 6 Regional Cooperation Bodies)
- 100 ILAC MRA Signatories representing 103 economies
- ILAC MRA covers testing, calibration and inspection
- Almost 68,000 accredited laboratories
- Over 9,500 accredited inspection bodies

Status of the ILAC MRA (Nov 2018)



- 84 ILAC MRA Signatories for the scope of calibration.
- These 84 ILAC MRA Signatories have accredited 11,020 calibration laboratories in accordance with ISO/IEC 17025.



Regional co-operations



European
Cooperation
for
Accreditation
(EA)



Pacific
Accreditation
Cooperation (PAC)



Inter-American
Accreditation
Cooperation
(IAAC)



Asia Pacific
Laboratory
Accreditation
Cooperation
(APLAC)



Southern African
Development
Community
Accreditation
(SADCA)



African
Accreditation
Cooperation
(AFRAC)



Arab
Accreditation
Cooperation
(ARAC)

ILAC and BIPM Cooperation



ILAC-BIPM MoU

- The MoU was initially signed on 3 November 2001 and reaffirmed once again on 8 March 2016.
- The MoU recognises the need to maintain and strengthen the links between accreditation and metrology and to coordinate actions in respect of tasks related to national and international measurement infrastructure.
- The MoU reflects the significant roles played by accreditation and metrology as key elements of the essential infrastructure for national and international traceability and consistency of measurements.

ILAC and BIPM Cooperation



Joint Working Group:

The BIPM-ILAC Working Group meets annually at the BIPM and is responsible for the implementation and review of the BIPM-ILAC MoU as well as the following activities:

- review issues concerning the degree of equivalence and appropriate mutual strengthening of the CIPM MRA and the ILAC Arrangement;
- review the Joint Declarations and Statements etc. agreed between the BIPM and ILAC (and other partners) in order to keep these up to date;
- review the metrological traceability and dissemination process between NMIs and accredited laboratories and give appropriate feedback to both memberships for appropriate further action;
- share information related to global quality infrastructure developments;
- review the impact of ISO Standards on metrology and related matters.

ILAC and BIPM Cooperation



Joint Declarations

- Joint Declaration of the BIPM, OIML and ILAC (2006), promoting the use of the three existing MRAs
- Joint BIPM, OIML, ILAC and ISO Declaration on Metrological Traceability (2011). ***This document was revised during 2018 and will be re-signed here in Versailles.***
 - *builds on the 2006 tripartite statement and presents the principles that should be used when demonstrating metrological traceability for international acceptance.*

ILAC and BIPM Cooperation



Joint Statements

- Accreditation of Calibration and Measurement Services of National Metrology Institutes: The Joint ILAC-CIPM Communication (2012) provides guidance on the accreditation process of National Metrology Institutes (NMIs) for their measurement services.
- Calibration and Measurement Capabilities (CMC): The BIPM-ILAC Joint Paper on CMC (2007) provides very important information for work between ILAC and BIPM.
 - The Joint Paper provides the basis for ILAC documents related to CMCs developed from 2007 and this concept of CMCs has been adopted in ISO/IEC 17011:2017 *Conformity assessment requirements for accreditation bodies accrediting conformity assessment bodies*.

Can be downloaded from the Partnerships page on the ILAC website at:

<https://ilac.org/about-ilac/partnerships/international-partners/bipm/>



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ILAC is the international cooperation of accreditation bodies that assess & accredit laboratories & inspection bodies against ISO/IEC international standards

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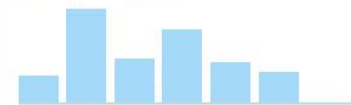


ILAC @ILAC_Official · 14 Sep 2016
Find [#laboratories](#) & [#inspectionbodies](#) accredited internationally under the ILAC MRA via the accreditation bodies ilac.org/signatory-sear...

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SI Redefinition



SIGNATORY SEARCH

ILAC MRA signatories and
accredited facilities



CERTIFICATES &
REPORTS



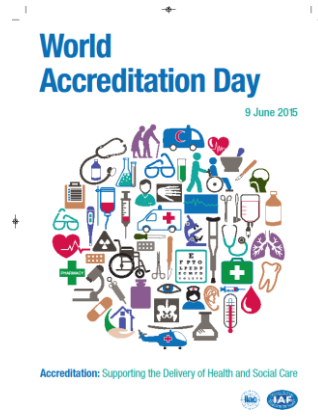
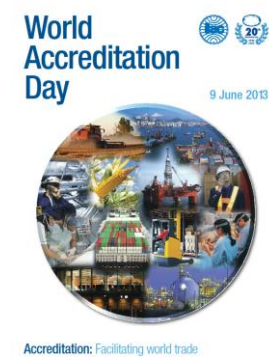
INFORMATION FOR
REGULATORS

World Accreditation Day

World Accreditation Day takes place on 9th June each year. A theme is agreed by the Joint Executives, and materials are available from the ILAC and IAF websites to support promotion in your economy. Major conferences, events, workshops, and press campaigns take place in over 90 economies.



World Accreditation Day 2018 (#WAD2018)
Accreditation: Delivering a safer world



Application of the Global Accreditation System



Case studies

- ILAC, IAF, ISO, IEC, IQNet and IIOC have launched the following web sites to illustrate the value of accredited conformity assessment.
 - www.publicsectorassurance.org
 - www.business-benefits.org

MoU partners



International Accreditation Forum



World Anti-Doping Agency



International Organization of Legal Metrology



International Electrotechnical Commission



International Federation for Clinical Chemistry



International Organisation for Standardisation



UN Industrial Development Organisation



International Committee on Weights & Measures



International Telecommunications Union

Sources of Further Information



To remain up-to-date with developments, the following sources of information are available:

- **ILAC News and Online Newsletters** – published twice a year
<http://ilac.org/news-and-events/ilac-newsletter/>
- **Subscribe to the latest ILAC Updates** – http://ilac.org/latest_ilac_news/
- **ILAC Brochures** – a wide range of brochures are available to download from the publication pages of the ILAC website
- **Annual Report** – ILAC publishes an Annual Report each year that sets out the key developments and status of the MRA
- **Social Media** – Follow @ILAC_Official on Twitter to receive the latest ILAC news, including information on meetings, events, liaison activities and new publications

For More Information



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