



**The International Laboratory Accreditation  
Cooperation (ILAC)**

**The International Accreditation Forum (IAF)**

# **Accreditation -- Facilitating Global Trade**

**by**

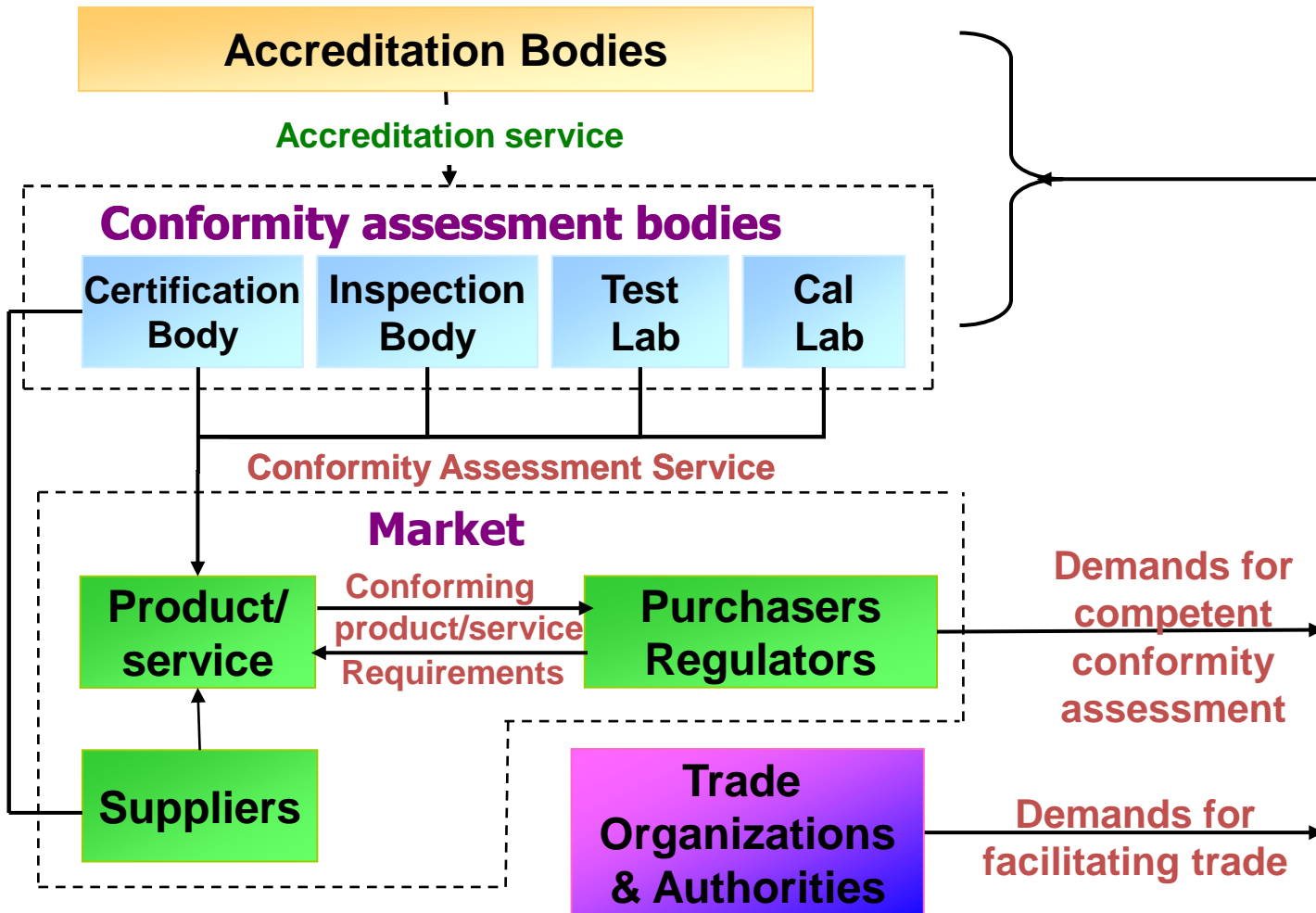
**Peter Unger and Randy Dougherty**

**World Accreditation Day 2014**

**9 June 2014**



# Accreditation to Support the Market



# Accreditation in the TBT Agreement

“6.1.1 adequate and enduring technical competence of the relevant conformity assessment bodies in the exporting Member, so that confidence in the continued reliability of their conformity assessment results can exist; in this regard, verified compliance, for instance through *accreditation*, with relevant guides or recommendations issued by international standardizing bodies shall be taken into account as an indication of adequate technical competence;”



# CASCO Toolbox

- **ISO—International Organization for Standardization**
- **CASCO-Conformity Assessment Committee of ISO**
- **CASCO Toolbox is the collection of ISO/IEC standards for conformity assessment**



# CASCO Toolbox

- **Standard for accreditation bodies**
  - **ISO/IEC 17011—accreditation bodies**
- **Standards for conformity assessment bodies**
  - **ISO/IEC 17020—inspection bodies**
  - **ISO/IEC 17021—MS certification bodies**
  - **ISO/IEC 17024—bodies certifying persons**
  - **ISO/IEC 17025—testing and calibration labs**
  - **ISO/IEC 17043—proficiency testing providers**
  - **ISO/IEC 17065—product certification bodies**



# ILAC and IAF

**ILAC and IAF—global networks of conformity assessment accreditation bodies**

- Recognition of competent conformity assessment activities through global multi-lateral mutual recognition arrangements**
- Harmonization of conformity assessment practices**
- Promotion of accredited conformity assessment as an effective mechanism for providing confidence in goods and services**



# Global Vision

- ***Tested, inspected or certified once, accepted everywhere'***
- ***“Accredited once, accepted everywhere”***

# ILAC MRA & IAF MLA

- **The Arrangements, through peer evaluation, provide confidence that ABs are competent**
  - **ISO/IEC 17011**
  - **IAF-ILAC A series documents**
- **The Arrangements provide confidence that accredited CABs operate to the same standard**





# **ILAC MRA & IAF MLA**

- Signatories must recognize the certificates issued by CABs accredited by all other members of the Arrangements**
- This recognition and acceptance removes technical barriers to international trade (TBT) by eliminating the need for multiple certifications**

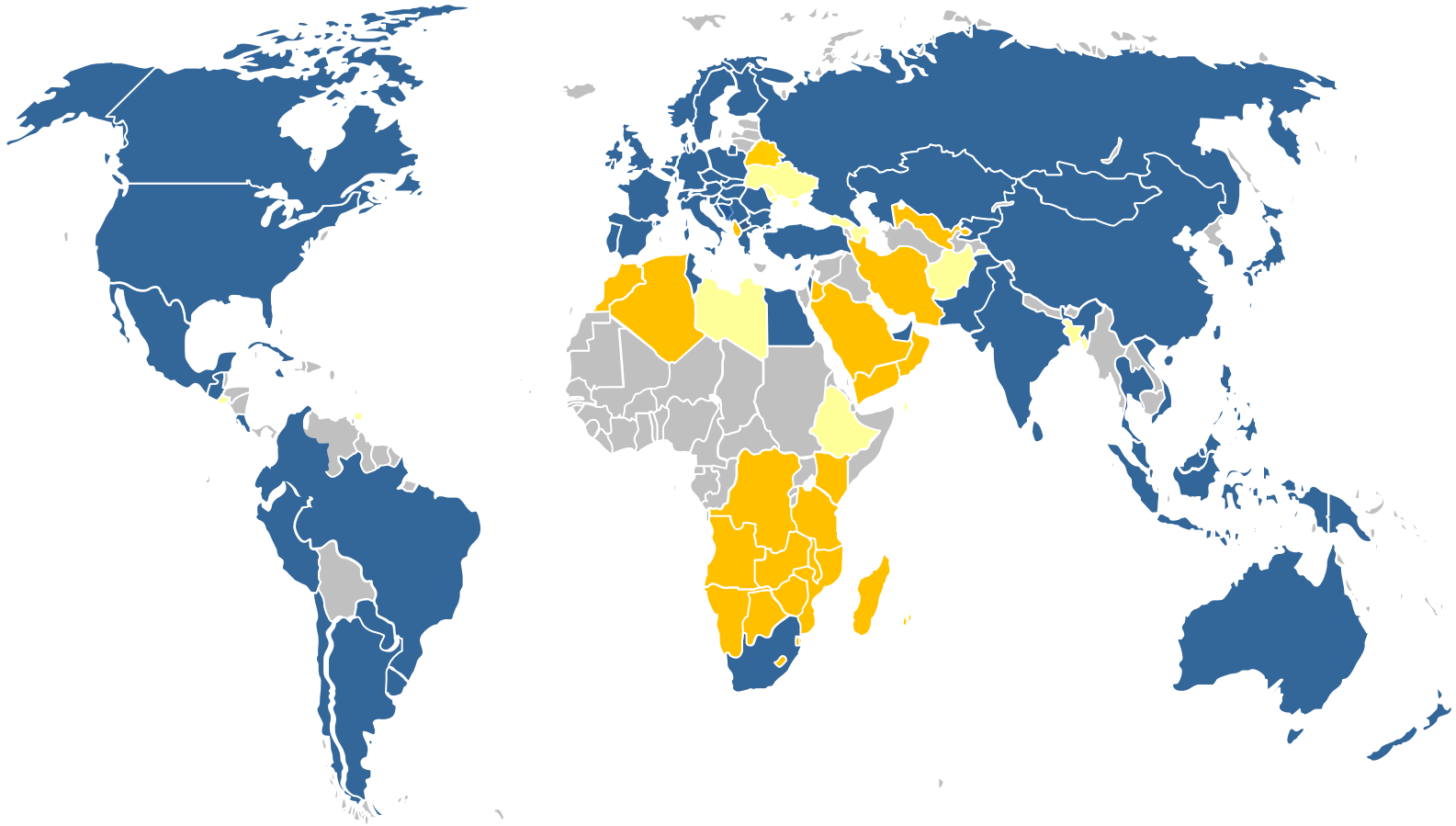


# **Status of the ILAC MRA** (June 2014)

- The ILAC network of members includes 148 bodies from 112 different economies (85 Full Members/MRA Signatories, 17 Associates, 17 Affiliates, 23 Stakeholders, 6 Regional Cooperation Bodies)
- 85 ILAC MRA Signatories representing 70 economies
- ILAC MRA covers testing, calibration and inspection
- Signatories represent about 95% of Global GDP
- More than 44,000 accredited laboratories
- About 7,500 accredited inspection bodies



# Coverage of the ILAC MRA (June 2014)



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



# The ILAC-MRA Mark



# The ILAC MRA Mark



- **The Combined MRA Mark, is the ILAC-MRA Mark used in combination with AB's own mark**
- **Under the current system, once licensed, ABs can enter into a sub-licensing agreement with their accredited laboratories for the use of the ILAC Laboratory Combined MRA Mark**
- **The ILAC Laboratory Combined MRA Mark is the ILAC-MRA Mark used in combination with the mark which an accredited lab is entitled to use.**
- **Work is underway to revise licensing agreement with progress being made towards achieving a reliable, simplified licensing process**

# IAF Members



- **69 Accreditation Bodies**
  - **60 Signatories of the IAF MLA**
- **18 Associate Members**
  - **9 Industry/User Groups**
  - **9 CAB Groups**
- **6 Regional Co-operations**
  - **3 recognized for the IAF MLA**
- **3 Observer Members**

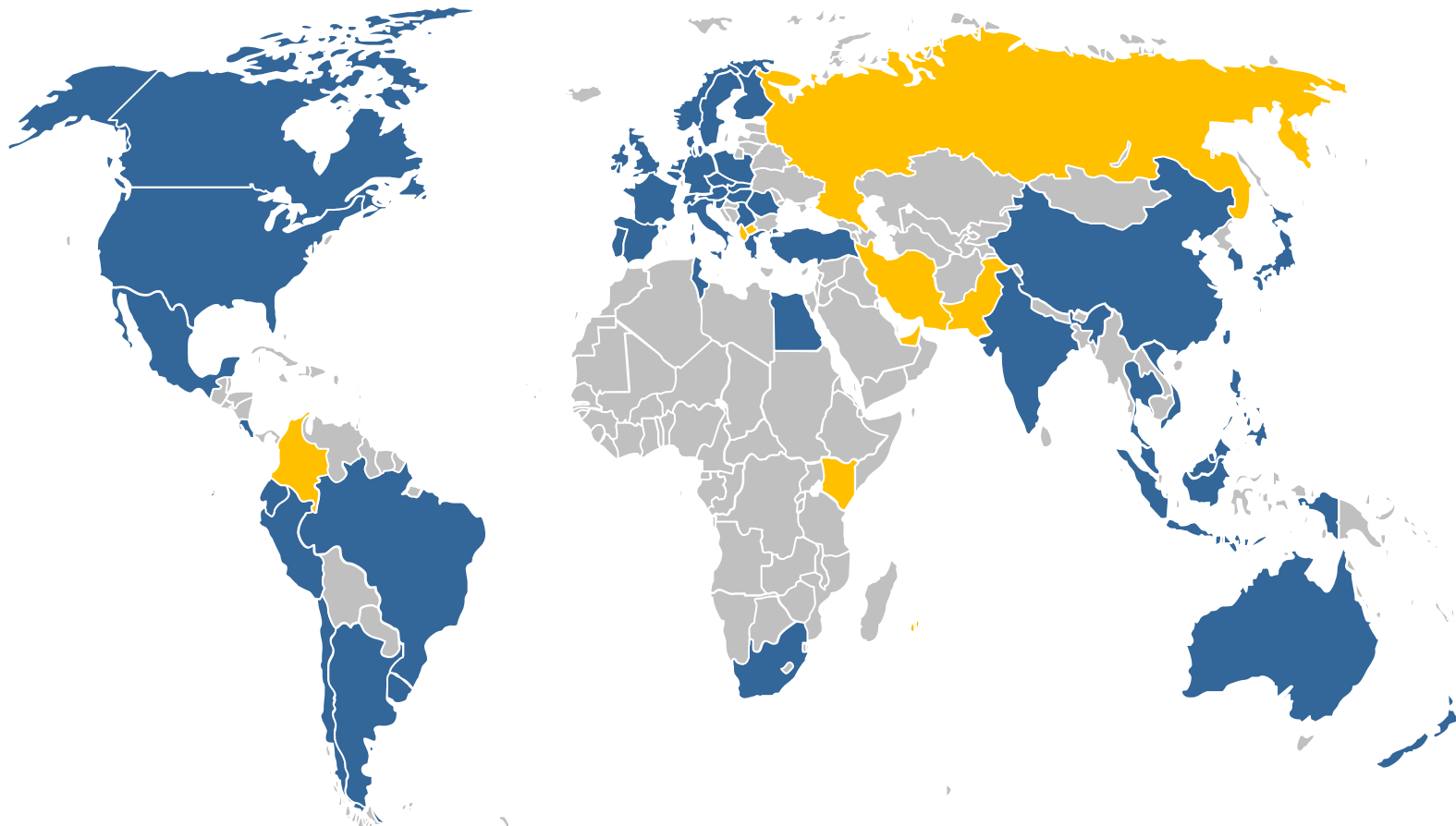
# Status of the IAF MLA



**There are 60 IAF MLA Signatories, representing 55 economies.**

- **Management Systems: 53 Accreditation Bodies and EA, PAC & IAAC**
  - **ISO 9001 QMS: 53 Accreditation Bodies and EA, PAC & IAAC**
  - **ISO 14001 EMS: 49 Accreditation Bodies and EA, PAC & IAAC**
  - **ISO 22000 FSMS, ISO/IEC 27001 ISMS, ISO/IEC 20000 ITSMS and ISO 13485 medical devices: in development**
- **Product: 51 Accreditation Bodies EA, PAC & IAAC**
  - **GlobalG.A.P. IFA CPCCs: 26 Accreditation Bodies**
- **Persons: In development**
- **GHG Verification & Validation Bodies: In development**

# Coverage of the IAF MLA (Sep 2013)



- IAF MLA Signatories
- IAF Members not yet Signatories





# The IAF MLA Mark



- **MLA signatories can use the MLA mark on accreditation certificates**
- **Businesses seeking certification will be able to see at a glance if the certification body issuing the certificate is accredited by an accreditation body that is a signatory to the IAF MLA.**



# The IAF MLA Mark



- **MLA signatories with sub-scopes can license CBs to use the MLA mark in conjunction with their own accreditation body logo**
- **The certification body must include an indication of the MLA sub-scope for which the accredited certification is related.**



QMS NO 01

# Regional Cooperation Bodies

The IAF and ILAC Arrangements are structured to build on existing and developing regional MLAs/MRAs established around the world

- The IAF MLA recognizes EA, PAC, IAAC
- The ILAC MRA recognizes EA, APLAC, IAAC



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)

# Relationships

- **ISO & ISO/CASCO**
  - **IAF-ILAC-ISO MOU**
  - **Joint Strategic Group(JSG)**
- **IEC CAB Schemes**
  - **IEC-IAF-ILAC MOU**
  - **Steering Committee**
  - **Unified assessments**
- **OIML**
  - **IAF-ILAC-OIML MOU**



# Relationships

- **UNIDO**
  - **IAF-ILAC-UNIDO MOU**
- **ITU**
  - **ITU-IAF-ILAC MOU**
- **WTO**
- **DCMAS**
  - **Network on Metrology, Accreditation and Standardization for Developing Countries**
    - **IAF, ILAC, ITC, ITU, IEC, ISO, UNIDO, OIML, UNECE**

# **Benefits of ILAC and IAF Accredited Conformity Assessment**

- **Confidence in accredited conformity assessment results**
- **Facilitation of cross border trade**



# Benefits for Government and Regulators

- **Flexible alternative to regulation**
- **Efficient monitoring**

# Benefits for Industry

- **Greater acceptance of products and services opening up markets**
- **Avoiding the costs of multiple testing, inspection or certification**
- **Efficient management of suppliers**



# Benefits for Consumers

- **Public confidence in goods and services despite complex global marketplace**
- **Reduces product failures**

# Why the Provision-of-Energy Theme

- **Climate change: Measuring GHG emissions**
- **Energy is essential to daily activities**
  - ✓ **Transportation; heating; cooling; cooking**
- **Providing it effectively without adversely affecting the environment is *the* challenge of our time!!!**



# **Delivering confidence in the provision of energy**

- **Fuels – accredited labs carry out many tests on fuels such as additives, concentration, and contaminants**
- **Gas Infrastructure – accredited IBs confirm safety**
- **Nuclear Facilities – accredited IBs confirm components are designed, built and tested to specification**
- **Offshore verification – accredited verification bodies inspect equipment and rigs in harsh environments**



# **Delivering confidence in the provision of energy**

- **Renewable energy – testing of new environmental technologies, certification of installers of solar panels and wind turbines**
- **ISO 50001 Energy – accredited certification of an energy management system to improve energy performance**

# Contact Details

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