

# **Improving Measurement Methods Through Global Cooperation**

## **Session 4**

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Committee D02**

# Presentation

- Provide brief overview of ASTM Committee D02
- Focus on Global Participation and Cooperation
- ASTM's work to advance Global Compatibility of Biofuels through Improved Measurement Methods

# ASTM International

- ASTM International
  - 110 year-old international not-for-profit organization that develops consensus standards – including test methods
  - Participation open to all - 30,000 technical experts from across the globe
  
- ASTM's objectives
  - Promote public health and safety, and the overall quality of life
  - Contribute to the reliability of materials, products, systems and services
  - Facilitate national, regional, and international commerce
  
- ASTM Standards
  - Known for high technical quality
  - Over 12,000 ASTM standards for more than 100 industry sectors
  - 4,000 ASTM standards used in regulation or adopted as national standards around the world in at least 70 countries

# ASTM is International

- ASTM embraces the principles of international standards identified in the World Trade Organization's Technical Barriers to Trade Agreement, G/TBT/1/REV 8 Section IX:
  - Transparency, Relevance, Openness, Coherency, Impartiality and consensus, Consideration of the concerns of developing countries

# ASTM Committee D02

- Largest ASTM committees, organized in 1904
- Includes over 2,200 members from 69 countries
- Developer of over 725 petroleum standards that have helped to provide heat for homes, fuel for automobiles and airplanes, and lubricants for machinery
- Sponsor of numerous technical publications, laboratory quality assurance programs and technical and professional training courses, workshops, and symposia.

# Who is ASTM D02?

Argentina  
Australia  
Austria  
Bahamas  
Bahrain  
Belgium  
Bolivia  
Botswana  
Brazil  
Canada  
China  
Columbia  
Costa Rica  
Croatia  
Denmark  
Ecuador  
Egypt

El Salvador  
Estonia  
Finland  
France  
Germany  
Ghana  
India  
Indonesia  
Ireland  
Israel  
Italy  
Jamaica  
Japan  
Jordan  
Korea  
Kuwait  
Mexico

Mongolia  
Netherlands  
Netherlands Ant  
New Zealand  
Nigeria  
Norway  
Oman  
Pakistan  
Panama  
Philippines  
Paraguay  
Peru  
Philippines  
Poland  
Portugal  
Qatar  
Russia

Saudi Arabia  
Singapore  
South Africa  
Spain  
Sri Lanka  
Sudan  
Sweden  
Switzerland  
Taiwan  
Thailand  
Trinidad & Tobago  
Turkey  
UAE  
UK  
United States  
Uruguay  
Venezuela  
Vietnam

# Interlaboratory Crosscheck Testing Programs (Proficiency Test Programs)

- Statistical quality assurance programs enabling laboratories worldwide to assess their performance in conducting test methods internally and with other labs worldwide.
  - Labs from 22 countries participate in biodiesel
  - Labs from 13 countries participate in bioethanol
- More information on ASTM website: **Proficiency Testing**

# International Cooperation

- ASTM International engages with CEN
  - CEN TC19 on the agenda of D02 meetings
- ASTM is the Secretariat of ISO TC 28 SC7
  - ISO report is on the D02 meeting agenda
- ASTM has provided biofuels experts to APEC
- We have cooperative agreements with 65 developing nations (standards, tech assistance and training)
- ASTM has a long relationship with Energy Institute (UK) for technical harmonization of D02 standards with IP methods
- ASTM has a long relationship with Brazil ABNT
  - Ricardo Rodrigues **Fragoso** (DG-ABNT) serves on ASTM Board of Directors

# White Paper: Moving Forward

- Enhanced understanding of Brazil, EU and US specifications
  - Includes parameters, measurement methods, and limit values involving a review of numerous test methods
  - Learned that many ASTM test methods are used globally, including EU and Brazil - and that we reference many EU and BR methods
- Identification of alignable differences – enhanced compatibility
  - ASTM is using this knowledge in ongoing test method review and development work and looking to be more compatible where possible
  - Greater awareness of “Units of Measure”
  - More consistency of information for the international community
  - Identification of where requirements originate (US regulations)
- Widespread agreement among participating experts that the discussions and commitment to cross-border cooperation have been a major accomplishment
  - Experts now have a better understanding of reasons why regional differences exist
  - Prioritize and support the continued global commoditization of biofuels

Thank you!  
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