

# **International Legal Metrology Update**

**for the 2017 NCWM Interim Meeting in San Antonio**



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# Software

OIML TC5/SC2 (Germany and the BIML are Co-Secretariats)

- **Project proposal approved at the 2016 CIML meeting to initiate the revision of OIML D 31 “*General Requirements for Software-controlled Measuring Instruments.*”**
- **This document serves as guidance for the software requirements in all of the OIML International Recommendations.**
- **The Project Group plans to expand the scope of the Document to include software verification.**

NIST Office of Weights and Measures Contacts: **Ambler Thompson, Maria Nadal**





# Load Cells

OIML TC9:

Instruments for Measuring Mass and Density  
(U.S. is Secretariat)

- **The 5<sup>th</sup> CD of all three parts of R60 was distributed to the Project Group in October 2016;**
- **International comments on the 5<sup>th</sup> CD are due to be returned at the end of this month (January).**



NIST Office of Weights and Measures Contact: **John Barton**





# Non-automatic Weighing Instruments

OIML TC9/SC1 (Germany and France are Co-Secretariats)

- Project proposal approved at the 2016 CIML meeting to initiate the revision of OIML R76:2006 “*Non-automatic weighing instruments.*”
- **R76 Project Group has also been tasked with recommending how to best approach the verification and inspection of these measuring instruments.**
- Secretariat does not anticipate that significant changes will be made to the requirements in the Recommendation itself (only incorporate new technological developments) .



NIST Office of Weights and Measures Contacts: **Rick Harshman**



# Automatic Weighing Systems (Arched Chute Type)

OIML TC9/SC2 (UK is Secretariat; Netherlands is Proposer)

- Project proposal approved at the 2016 CIML meeting to develop a new OIML Recommendation on “*Continuous totalizing automatic weighing instruments of the arched chute type*”.
- **Centripital force on an arched chute is measured.**
- **Netherlands, Germany, and the UK regulate this type of instrument.**
- **Many CIML Members were unfamiliar with this technology; article was written in OIML Bulletin in July 2016, where up to 0.1% accuracies are said to be achievable.**





# Multi-dimensional Measuring Instruments

OIML TC7/SC5 (Australia is Secretariat)

- The 2CD of OIML R129:2000 “*Multi-dimensional Measuring Instruments*” was distributed in Dec 2016. Comments due back to NIST-OWM in March 2017.
- Being reviewed by the MDMD Work Group.
- Significant interest to maximize harmonization between R129 and US requirements for these instruments.



NIST Office of Weights and Measures Contact: **Ralph Richter**





# Static Volume and Mass Measurement

OIML TC8/SC1 (U.S. and Netherlands are Co-Secretariats)

- **The Secretariat of this subcommittee has been re-allocated from Germany to the US and the Netherlands (June 2016)**
- **A subcommittee meeting was held at the factory of a U.S. manufacturer in Gothenburg, Sweden, in June 2016.**
- **At the meeting, comments on the 1CD packages of OIML R71 “Fixed Storage Tanks” and OIML R85 “Automatic Level Gauges” were resolved.**
- **Also at the meeting, comments on the 2CD packages of R80-2 and R80-3 “Road and Rail Tankers with Level Gauging” were resolved and the documents were approved by the Project Group.**
- **The 2 CD drafts of R71 and R85, and the Preliminary Ballot of R80, are planned for January 2017.**





# Dynamic Measuring Systems for Liquids other than Water

OIML TC8/SC3 (US and Germany are Co-Secretariats)

- **OIML R117-2 and R117-3 were published in 2015.**
- **A new project for the revision of all 3 parts of R117 is underway – it includes new requirements and test procedures for several additional systems, including:**
  - **Measuring systems for liquefied natural gas (LNG); and**
  - **Measuring systems for bunker fuel.**
- **The 1CDs of the new R117-1 (111 pages) and R117-2 (187 pages) were distributed in April 2016.**
- **A meeting of the R117 Project Group was held in July 2016 in the Netherlands to resolve international comments and initiate work on the 2CD package of R117.**



NIST Office of Weights and Measures Contact: **Ralph Richter**





# Prepackaged Products – Labeling and Net Quantity

OIML TC 6 (South Africa is the Secretariat)

- **R 79** “*Labeling Requirements for Prepackaged Products*” was approved by the CIML and published in December 2015. It is available for download on the OIML website.
- **OIML R 87** “*Quantity of Product in Prepackages*” was approved by the CIML in October 2016 and should be published soon.
- The U.S. voted “yes” on the 2CD of a new OIML Guide on establishing bilateral agreements for the acceptance of prepackage certification in June 2016.
- **No further meetings of TC6 are scheduled at this time.**



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# Moisture Meters For Cereal Grain and Oilseeds

OIML TC17/SC1

(US and China are Co-Secretariats)

- The preliminary ballot of R59 “*Moisture Meters For Cereal Grain and Oilseeds*” closed in July 2016 and received final CIML approval in October 2016. Should be published soon.
- Many tests and requirements in R59 are the same as U.S. type evaluation requirements.
- R59 was revised in parallel with the development of the new Recommendation on “*Protein Measuring Instruments for Cereal Grains and Oil Seeds*” to promote harmonization. The new R146 should also be published soon after also receiving final CIML approval in October 2016.



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# OIML Certificate System

## OIML TC 3/SC 5

- An Ad Hoc Working Group was formed to examine possible efficiencies and other improvements to the OIML Basic Certificate System and the MAA Certificate System.
- Restructuring is being proposed to create a “Management Committee” that will better oversee all aspects of the OIML Certification System (OIML-CS).
- Preliminary Management Committee (prMC) meeting next month in Berlin to develop OIML-CS documents.
- Committees on Participation Review (CPRs) and individual Declarations of Mutual Confidence (DoMCs) would no longer exist.
- The objective is to have a new OIML Certification System in place by January 2018.

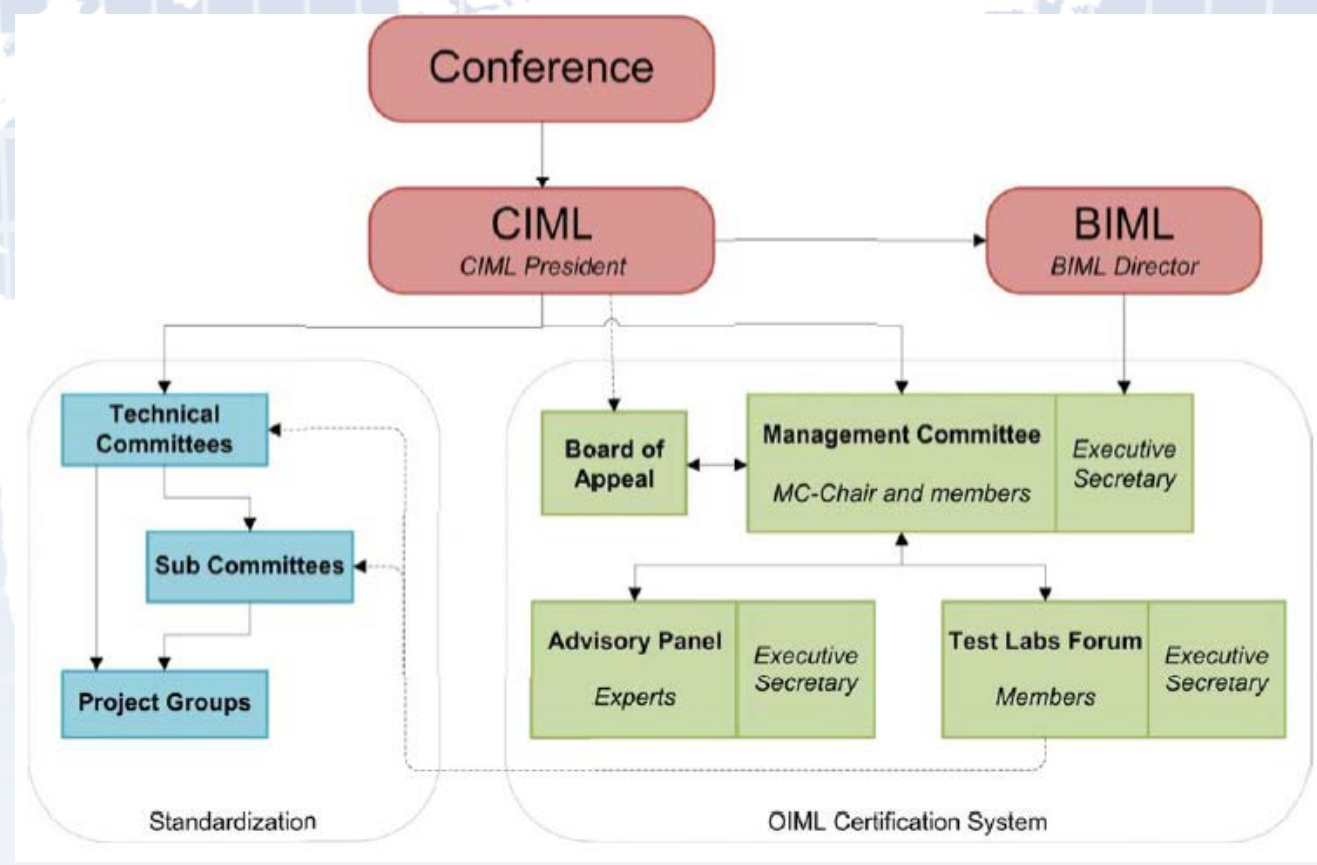






# Proposed OIML Certification System (OIML-CS)

## OIML CSPG





# CIML and APLMF Meetings

- **The 51st CIML Meeting and the 15th OIML Conference (held once every four years) were held the week of 17-21 October 2016 in Strasbourg, France.**
  - **Some Key Topics**
    - **Restructuring of the OIML Certificate System**
    - **Improvements to the PG Workspaces**
    - **Directives for the Technical Work**
- **The 52nd CIML is being planned to be held in Cartagena, Columbia in 2017.**
- **The 23rd APLMF Meeting was held in Nov 2016 in Tokyo.**
- **Cambodia has offered to host the 2017 APLMF Meeting.**



OIML web site: [www.oiml.org](http://www.oiml.org)



**Thank You**

