• 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 met September 20-21, 2017 in Berlin. A first Committee Draft is now in circulation. Comments are requested by 14 March 2018.

• D 31 Project Group Meeting is Scheduled for 17-18 April 2018 in Dordrecht, Netherlands.

• Two subgroups have been added to the Project Group
  – SG1: Software Verification
  – SG2: Operating Systems

NIST Office of Weights and Measures Contacts: Katya Delak
Votes and comments were received from the Project Group (TC9/p1) regarding R60, 5CD in January 2017.

Based upon the vote the 5CD was approved. However, it was recognized that there were a few important issues remaining that were objectionable to some members of the PG.

A subgroup was formed to resolve those issues, and met in March 2017. A few significant changes to the document were drafted based upon the meeting.
A subsequent CD of R60 was then developed, and the PG was directed to vote on only the changes that resulted from the subgroup meeting.

The PG voted to approve the CD, and the CIML preliminary ballot passed in June 2017.

The CIML subsequently voted to approve this Draft Recommendation at its meeting in October 2017.

The Recommendation is expected to be published early in 2018.

NIST Office of Weights and Measures Contact: John Barton
Non-Automatic Weighing Instruments

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

• TC9/SC1 met December 6-7, 2017 in Braunschweig, Germany to discuss plans to revise OIML R76:2006 “Non-Automatic Weighing Instruments.”

• Several Project Groups have been tasked with reformatting and updating the Recommendation and with developing field verification and inspection procedures for these measuring instruments. Other Groups will develop proposals for adding up-to-date software requirements and consider including new test procedures for modules.

• First Working Draft planned to be distributed by September 2018.

NIST Office of Weights and Measures Contact: Ken Butcher
Automatic Weighing Systems
(Arched Chute Type)
OIML TC9/SC2 (UK is Secretariat)

• Project proposal approved by CIML 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.

• 1 WD developed in small work group (not including U.S.); distributed in late August 2017.

• 2 WD has been circulated to the entire PG (comments were due to Convener by 1/19/18; no U.S. comments were sent).

• A meeting of the PG is tentatively scheduled for March 2018.

NIST Office of Weights and Measures Contacts: John Barton
• The 2CD revision of OIML R129:2000 was reviewed by the MDMD Work Group.


• A 3CD of R129 is expected early in 2018.

• Significant interest to maximize harmonization between R129 and US requirements for these instruments.
The Secretariat of this subcommittee was recently re-allocated from Germany to the US and the Netherlands.

A subcommittee meeting was held at the Swedish factory of a U.S.-based manufacturer in 2016. Meeting participants made significant progress on four separate projects – including the resolution of most of the international comments on the 1CD packages of OIML R71 “Fixed Storage Tanks” and OIML R85 “Automatic Level Gauges.”

OIML R80-2 and R80-3 “Road and Rail Tankers with Level Gauging” received final CIML approval in October 2017 and have now been published.

The 2 CD packages of R71 and R85 will soon be distributed for Project Group vote and comment, and a meeting of TC8/SC1 is being planned 2018 in the Netherlands.

NIST Office of Weights and Measures Contact: Ralph Richter
A project for the revision of all 3 parts of R117 is underway and 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 1CD packages of the new R117-1 (111 pages) and R117-2 (187 pages) were distributed in 2016.

A meeting of the R117 Project Group was recently held in the Netherlands to resolve international comments received on the 1CD package. The 2CD package of R117 (all three parts) is planned to be distributed in early 2018 with a meeting being planned for May or June 2018.
• R 79 “Labeling Requirements for Prepackaged Products” was approved by the CIML in December 2015 and is available for download from the OIML website.

• OIML R 87 “Quantity of Product in Prepackages” was approved by the CIML in October 2016 and is available for download from the OIML website.

• OIML Guide on “Establishing Bilateral Agreements for the Acceptance of Prepackage Certification” was approved by the CIML in 2017 and is available for download from the OIML website.

• No further activities of TC6 are planned at this time.

NIST Office of Weights and Measures Contact: Ken Butcher
The OIML Basic Certificate System and the OIML MAA Certificate System have now been replaced (beginning January 1, 2018) with the OIML Certification System (OIML-CS), which has two Schemes (A and B).

A new “Management Committee” and “Review Committee” oversees all aspects of the OIML-CS.

The first meetings of the Review Committee and Management Committee will be held in Sydney, Australia, during the week of March 19–23, 2018. C. Ehrlich and D. Flocken will attend.

Declarations for Issuing Authorities and Utilizers are being signed. “Additional National Requirements” are still allowed.

NCWM/NTEP has signed a Declaration to be a Utilizer for R 60 (load cells), as it was a Utilizing Participant under the MAA.
Proposed OIML Certification System (OIML-CS)
OIML CSPG
OIML Certification System
OIML-CS

• OIML Recommendations in Scheme A of the OIML-CS are:
  – OIML R 60 (Load Cells)
  – OIML R 76 (Non-automatic Weighing Instruments)

• OIML Recommendations in Scheme B of the OIML-CS beginning January 1, 2018, and transitioning to Scheme A beginning January 1, 2019:
  – OIML R 46 (Active Electrical Energy Meters)
  – OIML R 49 (Water Meters)
  – OIML R 51 (Automatic Catchweighing Instruments)
  – OIML R 117 (Dynamic Measuring Systems for Liquids other than Water)
  – OIML R 137 (Gas Meters)

• Other eligible OIML Recommendations will transition from Scheme B into Scheme A of the OIML-CS beginning January 1, 2020.

• See OIML web site (www.oiml.org) for other details.

NIST Office of Weights and Measures Contact: Chuck Ehrlich
CIML and APLMF Meetings

• The 52nd CIML Meeting was held the week of 9-13 October 2017 in Cartagena, Colombia.
  • Some Key Topics decided were:
    ➢ OIML Certification System
    ➢ Directives for the Technical Work
    ➢ Election of CIML President (Roman Schwartz, Germany)
    ➢ Appointment of BIML Assistant Director (Paul Dixon, UK)

• The 24th APLMF Meeting was held in Siem Reap, Cambodia, 25–27 October, 2017. Regional training remains the main focus in APLMF.

• Don Onwiler and Chuck Ehrlich made presentations on ”The U.S. Legal Metrology System” to the General Administration of Quality Supervision, Inspection and Quarantine of the People’s Republic of China (AQSIQ) in Beijing on 30 October, 2017.

OIML web site: www.oiml.org
Thank You