2026 Interim Meeting Agenda
NCWM Board of Directors

Jason Flint, NCWM Chairman
New Jersey

INTRODUCTION

The Board of Directors (hereinafter referred to as the "Board") will address the following items in Table A during the Interim Meeting. Table A identifies the agenda items by reference key, title of item, page number and the appendices by appendix designations. The first three letters of an item's reference key are assigned from the Subject Series List. The next 2 digits represent the year the item was introduced. The acronyms for organizations and technical terms used throughout the agenda are identified in Table B. In some cases, background information will be provided for an item. The fact that an item appears on the agenda does not mean it will be presented to the National Council on Weights and Measures (NCWM) for a vote. The Board will review its agenda and may withdraw some items, present some items for information meant for additional study, issue interpretations, or make specific recommendations for change to the publications identified, which will be presented for a vote at the Annual Meeting. The Board may also take up routine or miscellaneous items brought to its attention after the preparation of this document. The Board may decide to accept items for discussion that are not listed in this document, providing they meet the criteria for exceptions as presented in *NCWM Policy 3.1.4. Handbooks, Procedures to Modify Handbooks*. The Board has not determined whether the items presented will be Voting or Informational in nature; these determinations will result from their deliberations at the Interim Meeting.

Items may be grouped into “Blocks” if they are:

- **Opposing Items:** Items in direct conflict with each other, and only one may be adopted,
- **Interdependent Items:** Items addressing a similar topic where, if one is adopted, all need to be adopted, and
- **Related Items:** Items addressing a similar topic across multiple codes or regulations.

An "Item Under Consideration" is a statement of proposal and not necessarily a recommendation of the Board. Suggested revisions are shown in **bold face print** by ~~**striking out**~~ information to be deleted and **underlining** information to be added. Requirements that are proposed to be nonretroactive are printed in ***bold faced italics***. Additional letters, presentations and data may have been part of the committee's consideration. Please refer to www.ncwm.com/publication-15 to review these documents.

All sessions are open to registered attendees of the meeting. If the Board must discuss any issue that involves proprietary information or other confidential material; that portion of the session dealing with the special issue may be closed if (1) NCWM Chairman or, in their absence, NCWM Chairman-Elect approves; (2) the Executive Director is notified; and (3) an announcement of the closed meeting is posted on or near the door to the meeting session and at the registration table. If possible, the posting will be done at least a day prior to the planned closed session.

Note: It is policy to use metric units of measurement in publications; however, recommendations received by NCWM technical committees and regional weights and measures associations have been printed in this publication as submitted. Therefore, the report may contain references to inch-pound units.

Subject Series List

Activity Reports ..... ACT Series
Strategic Planning, Policies, and Bylaws ..... SPB Series
Financial ..... FIN Series
Other Items ..... OTH Series

Table A
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APPENDICES

A ACT-3: Report of the Activities of the International Organization of Legal Metrology (OIML) and Regional Legal Metrology Organizations A15
B ACT-4: Associate Membership Committee (AMC) Agenda and Draft Meeting Minutes B30

Table B
Glossary of Acronyms and Terms

Acronym	Term	Acronym	Term
AMC	Associate Membership Committee	NTEP	National Type Evaluation Program
NCWM	National Council on Weights and Measures	OIML	International Organization of Legal Metrology
NIST	National Institute of Standards and Technology	OWM	Office of Weights and Measures

Details of All Items
(In order by Reference Key)

ACT – ACTIVITY REPORTS

ACT-1 I Membership

The chart and graph below show NCWM membership levels of recent years by membership categories. October 1 is the lowest level of membership for each fiscal year because it is the day that any memberships that were not renewed lapse. Significant growth is realized over the following 12 months as additional members return and new members are added. The potential growth remains significant, and NCWM continues to enhance programs and services that add value to membership.

Year / Type	Oct. 2018	Oct. 2019	Oct. 2020	Oct. 2021	Oct. 2022	Oct. 2023	Sept. 2024	Oct. 2025	Oct. 2026
Associate	643	636	607	608	609	573	720	607	587
Foreign Associate	70	79	77	91	86	76	110	82	94
Total Associate	**713**	**715**	**684**	**699**	**695**	**649**	**830**	**689**	**681**
State Government	739	744	614	698	644	564	722	626	622
Local Government	412	406	397	389	380	350	418	319	328
Total Active	**1151**	**1150**	**1011**	**1087**	**1024**	**914**	**1140**	**945**	**950**
NIST	15	17	16	15	19	14	15	14	15
Other Federal Government	10	8	7	7	5	7	14	11	7
Foreign Government	14	14	13	13	14	15	19	17	24
Retired	225	235	241	245	248	353	185	140	133
Total Advisory	**264**	**274**	**277**	**280**	**286**	**389**	**233**	**182**	**179**
Grand Total	**2128**	**2139**	**1972**	**2066**	**2008**	**1952**	**2203**	**1816**	**1810**

ACT-2 I Meetings

Interim Meetings:

- January 24-27, 2027 Sonesta Redondo Beach & Marina: Redondo Beach, California
- January 23-26, 2028 Biltmore Los Angeles, Los Angeles: California
- January 21-24, 2029 The Shores Resort & Spa, Daytona Beach Shores, Florida

Annual Meetings:

- July 11-15, 2027 112th Annual Meeting: Marriott Knoxville Downtown, Knoxville, Tennessee
- July 23-27, 2028 113th Annual Meeting: Hyatt Regency St. Louis Arch, St. Louis, Missouri
- July 15-19. 2029 114th Annual Meeting: The Clyde Hotel, Albuquerque, New Mexico.

NCWM strives to plan meetings in locations that have reasonably priced airline service and are within government per diem rates. For more information about our meetings, contact Ms. Elisa Stritt, NCWM Director of Operations, at (402) 434-4872 or elisa.stritt@ncwm.com.

ACT-3 I Participation in International Standard-Setting

Katya Delak, representing the NIST Office of Weights and Measures, provided a report of its important efforts in international standard-setting at the NCWM Annual Meeting in July. See Appendix A for the report.

ACT-4 I Associate Membership Committee Activity

Approximately 40% of NCWM members are Associate members. The Associate Membership Committee (AMC) is organized under the Bylaws of the National Conference on Weights and Measures, Inc. The AMC also operates under separate Bylaws, which are available on the Committee page of www.ncwm.com. AMC meets at least 2 times per year in conjunction with NCWM Interim and Annual Meetings, and they invite all to attend. The AMC consists of between 5 and 10 members who, amongst themselves, elect officers to serve as Chair, Vice-Chair, and Secretary/Treasurer. See Appendix B for information on current members and officers.

AMC has established a reputation for promoting and improving NCWM and has demonstrated its desire to improve understanding of weights and measures activities in the public and private sectors.

The NCWM membership dues for Associate members of $115 are $15 higher than those for Active or Advisory members. The extra $15 is not for NCWM but rather is placed in a separate account referred to as the AMC Fund. The AMC has the discretion to allocate the funds in various ways. One means of allocating these funds is to provide grants in support of weights and measures training. The Committee receives applications and awards training grants from the AMC Fund following its "Guidelines for Selection and Approval of Training Funds," which are posted on the Committee's webpage at www.ncwm.com. Downloadable applications for training grants and reimbursement forms are also available at this site.

The criteria for receiving AMC funds for training are as follows:

1. Funding request forms that are complete, specific, and detailed will receive priority attention for approval.

Based on the degree of missing or ambiguous information provided, individual requests may not be given any consideration during the AMC review process, pending further clarification.

2. Preference is given to training requests that benefit higher numbers of participants over those for fewer or single-person benefit. The Committee also gives priority consideration to multi-state training that encourages uniformity.

3. In general, attending meetings such as NCWM Annual Meetings, Interim Meetings, or regional associations

meetings will not be considered training.

4. As a lower priority, the committee will consider requests for the purchase of training materials but not requests for the purchase of assets (such as projectors).

5. Reasonable funding for travel and expenses will be considered if it is necessary to acquire an "expert trainer" that would benefit a high number of weights and measures officials. This will be an option when qualified volunteers are not available.

ACT-5 I Task Groups, Subcommittees, Steering Committees

Task Groups, Subcommittees, Steering Committees:
Focus groups, task groups, subcommittees, and steering committees are created by the NCWM Chairman and operate as defined in NCWM Policy 1.5.1. Subgroups Supporting the Work of the Organization. A task group is given a specific charge, and it reports to the appropriate NCWM standing committee. A task group will disband after completing its assignment. A subcommittee is charged with ongoing responsibilities in support of a standing committee in a specific field of expertise. A steering committee is charged with unbiased fact-finding to assist NCWM membership in decision-making on difficult issues. A steering committee will disband upon completion of its specific charge.

NCWM offers resources to these task groups and subcommittees including meeting space at Interim and Annual Meetings, conference calling and web meeting services, group email services, a dedicated web page for posting and archiving documents related to their work, and broadcast e-mail services to reach targeted audiences. Additionally, NIST OWM has provided technical advisors and web meeting forums. These tools enable year-round progress of task group and subcommittee work.

Because NCWM task groups and subcommittees are part of the NCWM organizational structure and report directly to its standing committees, their proposals may appear in *NCWM Publication 15* without first being vetted through a regional association. NCWM vets any such proposals through its open hearings.

At the 2026 Interim Meeting, the board received updates from the following groups that report to the board:

Current task groups and subcommittees are listed here.

Reporting to the Board of Directors:

Policy and Bylaw Review Task Group
Chair: Chuck Corr
563-357-4167, chuckcorrconsulting@gmail.com

Training Planning Task Group
Chair: Mahesh Albuquerque
303-318-8502, mahesh.albuquerque@state.co.us

EVSE Task Group
Chair: Scott Dolan
802-828-2436, scott.dolan@vermont.gov

NCWM Standards Development Subcommittee
Chair: Jason Flint
973-420-8915, flintj@dca.njoag.gov

Reporting to the Laws and Regulations Committee:

Fuels and Lubricants Subcommittee
Chair: Vanessa Benchea
813-868-8263, Vanessa.Benchea@fdacs.gov

Packaging and Labeling Subcommittee
Chair: Chris Guay
513-652-6597, guay.cb@gmail.com

Uniform Shipment Law Task Group
Chair: Miland Kofford
801-538-7158, mkofford@utah.gov

Moisture Allowance Task Group
Chair: Tory Brewer
304-722-0602, tory.d.brewer@wv.gov

LPG Electronic Temperature Compensation Task Group
Chair: Christopher Wagner
610-308-3822, cwagner@npga.org

LMD Density Correction Task Group
Chair: Chair: Andrew Montayne
402-471-3422, andrew.montanye@nebraska.gov

Reporting to the Specifications and Tolerances Committee:

Cannabis Task Group:
Chair: Evan Foisy
631-560-3497, EFoisy@andonline.com

Milk Meter Tolerance Task Group
Chair: Aaron Yanker
719-250-1851, aaron.yanker@state.co.us

Verification Scale Division (e) Task Group
Chair: Evan Foisy
631-560-3497, EFoisy@andonline.com

Transportation-for-Hire Systems Task Group
Chair: Mark Lovisa
225-925-3780, mlovisa@ldaf.state.la.us

WIM Vehicle Scale Task Group
Chair: Jim Willis
518-485-8377, james.willis@agriculture.ny.gov

LMD Density Correction Task Group
Chair: Andrew Montayne
402-471-3422, andrew.montanye@nebraska.gov

Dry Materials Flow Sensor Task Group
Chair: To be Determined

Reporting to the Professional Development Committee:

Safety Subcommittee
Chair: John Satterlee
217-785-8480, john.satterlee@illinois.gov

Women in Weights and Measures Subcommittee
Co-Chair: Cheryl Ayer
303-318-8502, cheryl.e.ayer@agr.nh.gov
Co-Chair: Brandi Harder
715-234-9171, bharder@ricelake.com

Metrology Subcommittee
Chair: Frank Greene
860-713-7237, frank.greene@ct.gov

Member Education and Mentorship Subcommittee
Chair: Brian Fuller
515-201-5413, Brian.Fuller@IowaAgriculture.gov

Fraud Prevention and Education Task Group
Chair: Alan Walker
805-274-9044, alan.walker@FDACS.gov

Neutral Comments: No Comments

Industry:

- 2026 Annual Meeting: The Chair of the former Promotional Toolkit Task Group announced the completion of a new video highlighting state metrology laboratories. The video was presented to membership followed by robust applause.

ACT-6 I Regional Association Activities

2027 Meetings

NEWMA Annual Meeting
April 26-29, 2027
Portsmouth, New Hampshire
Contact: Steve Timar, steve.timar@agriculture.ny.gov

NEWMA Interim Meeting
September 26-29, 2027
Mystic, Connecticut
Contact: Steve Timar, steve.timar@agriculture.ny.gov

CWMA Annual Meeting
May 3-6, 2027
Lincoln, Nebraska
Contact: Sherry Turvey, Sherry.Turvey@ks.gov

CWMA Interim Meeting
To Be Determined
Contact: Sherry Turvey, Sherry.Turvey@ks.gov

WWMA Annual Meeting
September 26-30, 2027
Silver Mountain Resort
Contact: Brent Ricks, bricks@mt.gov

SWMA Annual Meeting
October 3-6, 2027
Hot Springs, Arkansas
Contact: Valerie Forbes, valerie.forbes@delaware.gov

SPB – STRATEGIC PLANNING, POLICIES, AND BYLAWS

SPB-27.1 Professional Development Program

Source:
NCWM Board of Directors

Purpose:
Amend the National Council on Weights and Measures Bylaws to provide additional clarification of the duties and field of responsibility of the Professional Development Committee.

Item under Consideration:
Amend NCWM Bylaws Article IX Section 5 – Duties and Fields of operations of Board of Directors and Committees, C. Professional Development Committee as follows:

C. PROFESSIONAL DEVELOPMENT COMMITTEE

The Professional Development Committee annually presents a report for Corporation action.

The mission of the Committee is:

To provide leadership to develop and implement uniform, quality weights and measures services in the areas of:

1. effective program management,
2. education, and
3. ~~**public relations**~~**training progams**.

Areas of focus:

1. NATIONAL TRAINING PROGRAMS

The focus of national training is to increase technical knowledge, strengthen credibility, and improve the professionalism of the individual weights and measures official. Strong training programs ~~**would**~~ promote uniformity across the nation. **The Committee oversees the development and ongoing improvement of NCWM training programs.**

2. NATIONAL CERTIFICATION

National certification provides confidence that an individual has a strong understanding of U.S. weights and measures standards adopted by NCWM and published in NIST Handbooks 44, 130, and 133. The Committee oversees the development and ongoing improvement of professional certification.

3. COUNCIL TRAINING TOPICS

The Committee ~~**would**~~ **is to** be the focal point for gathering and recommending workshops or symposia on leadership, management, and emerging issues to be presented during the **Interim and** Annual Meeting. These topics would provide a forum for the exchange of ideas and discussion of changes in the marketplace.

~~**4. UNIFORMITY OF DATA**~~

~~**The Committee would develop standard categories for devices and inspection areas so that such things as the number of devices, compliance rates, frequency of inspection and other areas could be compiled and compared at the national level. These statistics could be used to benchmark organizations and to communicate the value of weights and measures to the public and to decision makers.**~~

(Amended **20XX**)

Previous Status:
2027: New Proposal

Original Justification:
The educational and training needs of the NCWM membership have evolved, and the role of the Professional Development Committee (PDC) should be refined and expanded to better reflect the current and future needs of the organization. The PDC no longer serves as the public relations arm of NCWM, and the organization has not collected categorical data on devices and inspection areas since 2010.

Moving forward, the PDC's primary focus should be on identifying, procuring, reviewing, and updating relevant training topics for presentation at both the Interim and Annual Meetings. Additionally, the Committee should take a more active role in developing and coordinating training programs and educational opportunities hosted by NCWM to support the continued professional development of its membership.

Comments in Favor:

Regulatory:
-

Industry:
-

Advisory:
-

Comments Against:

Regulatory:
-

Industry:
-

Advisory:
-

Neutral Comments:

Regulatory:
-

Industry:
-

Advisory:
•

Item Development:
New Proposal

Additional letters, presentations and data may have been submitted for consideration with this item. Please refer to https://www.ncwm.com/publication-15 to review these documents.

FIN – FINANCIAL

FIN-1 I Treasurer's Report

Overall, NCWM's finances remain healthy, and there are no concerns. All financial transactions and balances have been appropriately recorded and reported, and our internal controls and reviews effectively ensure the accuracy and reliability of the financial information. The most recent fiscal year audit by Dana F. Cole & Company, LLP confirms these statements.

I recommend continuing to monitor NCWM's financial performance and taking proactive measures to ensure its long-term financial stability.

Respectfully submitted by Mahesh Albuquerque, Treasurer.

ASSETS	**September 30, 2025**	**September 30, 2026**
Current Assets	$	$
Associate Member Fund	18,975.61	24,387.18
Certificates of Deposit	274,278.41	280,273.38
Equities	1,136,077.80	1,313,279.89
Money Market Fund	152,921.37	305,290.01
Checking	39,057.63	25,148.60
Savings	11,050.44	5.75
Total Checking/Savings	1,632,361.26	1,948,384.81
Accounts Receivable	62,691.13	70,977.22
Other Current Assets	390,858.44	398,055.22
Fixed Assets	-83,457.23	-83,457.23
Other Assets	449,308.00	460,591.90
TOTAL ASSETS	**2,451,761.60**	**2,794,551.92**
LIABILITIES & EQUITY		
Liabilities		
Current Liabilities	509,866.26	505,492.75
Total Liabilities	509,866.26	505,492.75
Equity		
Designated - Associate Membership	32,730.32	30,395.96
Opening Balance Equity	0.00	1,026.26
Unrestricted Net Assets	1,732,313.95	1,913,174.73
Net Income	176,851.07	344,462.22
Total Equity	1,941,895.34	2,289,059.17
TOTAL LIABILITIES & EQUITY	**2,451,761.60**	**2,794,551.92**

Jason Flint, New Jersey | NCWM Chairman
Paul Floyd, Louisiana | NCWM Chairman-Elect
Kevin Schnepp, California | NTEP Committee Chair
Mahesh Albuquerque, Colorado | Treasurer
Daniel Walker, Ohio | Active Membership - Central
James Willis, New York | Active Membership – Northeastern
Tory Brewer, West Virginia | Active Membership - Southern
Bill Striejewske, Nevada | Active Membership - Western
Jason Glass, Kentucky | At-Large
Sherry Turvey, Kansas | At-Large
Ray Johnson, Fairbanks Scales | AMC Representative

Don Onwiler, NCWM | Executive Director
Katrice Lippa, NIST, OWM | Executive Secretary
Erica Garnier, Measurement Canada | Advisor
Jeff Gibson, NCWM | NTEP Administrator

Board of Directors

Appendix A
July 2026 Report of the Activities of the International Organization of Legal Metrology (OIML) and Regional Legal Metrology Organizations

National Institute of Standards and Technology (NIST), Office of Weights and Measures (OWM)



International Legal Metrology Program

NIST



Dr. Katya Delak
Group Leader

Electrical metering, digitalization, and supply blockchain systems



Jan Konijnenburg
Scientific Engineer

Weighing instruments, digitalization, and software security



Dr. Michael Nelson
Physical Scientist

Chemical analyzers, medical instruments, and electric vehicle supply equipment

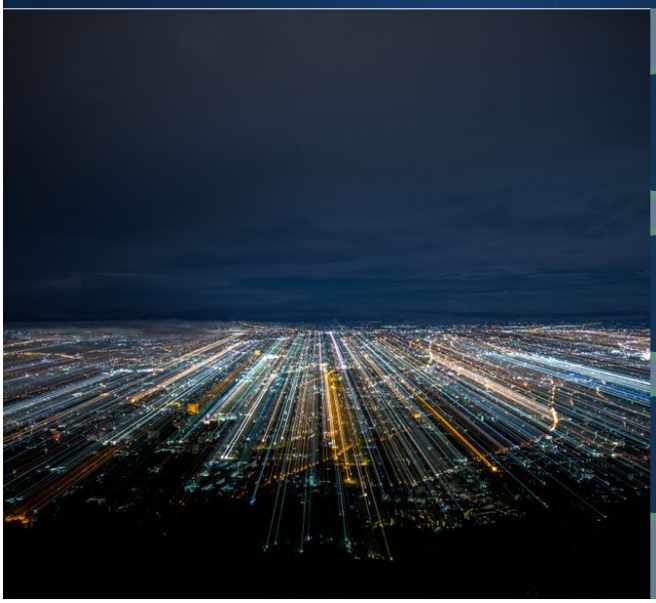


Isabel Chavez-Baucom
Quality Manager

Legal metrology regulations, document digitalization, and international accreditation frameworks

Benefits of Participation

NIST



- Global network of expertise
- Horizon scanning
- Requirements for manufacturers

OIML High Priority Projects & Publications

NIST

OIML-CS Certificates issued	Anticipation of future demand
Broadly referenced documents	Documents used regionally as normative



OIML Top Projects

NIST



Electricity



Weighing



Volume

OIML Top Projects: Electricity



- **G22 "Electric Vehicle Supply Equipment (EVSE)"**
  2WD issued following a 1CD in June. Test modes, accuracy are in discussion.
- **R46 "Electrical Energy Meters"**
  Work on 3CD. Issues related to paradigm shift in reactive and apparent energy measurement. Synchronizing revision with IEC and ANSI C12 revisions.
- **New project: "DC Electricity Meters"**
  Relevant to EVSE. Review of 2WD in progress. Unresolved areas involve testing conditions, specifically voltage and current combinations.

OIML Top Projects: Weighing Systems

All of the following OIML Recommendations are currently in active revision:

R51 "Catchweighers"

R76 "Non-automatic weighing Instruments (NAWI)"

R134 "Weigh-in-Motion (WIM) Systems"



OIML Top Projects: Volume



OIML revisions to be carried to completion

R 71 Fixed Storage Tanks
R 85 Automatic Level Gauges

Isabel Chavez-Baucom and Elizabeth (Els) Koncki convening.

Re-initiated PG work. Documents at 2WD status are receiving comments in the summer of 2026.



OIML Top Projects: Volume

Liquefied Natural Gas (LNG)
Covered by OIML R117 "Dynamic measuring systems for liquids other than water"

Hydrogen
US in conjunction with NL has proposed revision of R117 to include liquid hydrogen. CIML vote to approve this year.

New Project: OIML G24
Fixed storage and transportable tanks. Calibration using electro-optical distance-ranging method.

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U.S. DEPARTMENT OF COMMERCE

Opportunities

Propose revision for R121 Multi-dimensional Measuring Instruments based on HB 44 text

Volumetric Measuring Devices

Other upcoming projects

R21 Taximeters

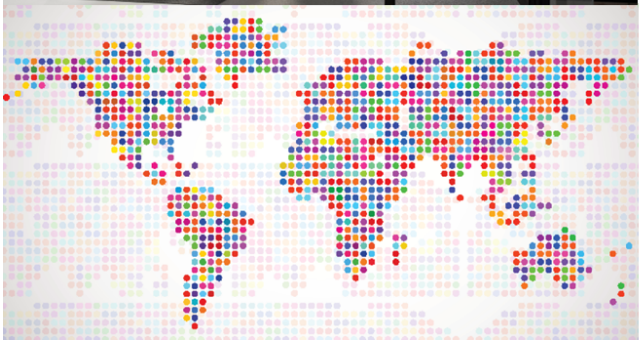
R139 Compressed Gaseous Fuel Measuring Systems for Vehicles

NIST NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY U.S. DEPARTMENT OF COMMERCE

Decisions from CIML 60

NIST





New Project Approval

Fixed Storage and Transportable Tanks - Calibration Using Optical Distance Ranging Method

Approval of Final Drafts

- R142 Automated Refractometers
- R91 Traffic Speed Meters
- R111 Weights of Classes E_1, E_2, F_1, F_2, M_1, M_{1-2}, M_2, M_{2-3} and M_3 (update only)

Cancelled Projects

- R95 Ships' Tanks – General Requirements
- R125 Measuring Systems for the Mas of Liquids in Tanks
- Combined revision R 101 & R 109 Indicating and Recording Pressure Gauges, Vacuum Gauges and Pressure-vacuum Gauges with Elastic Sensing Elements.

Interim Completed Publications

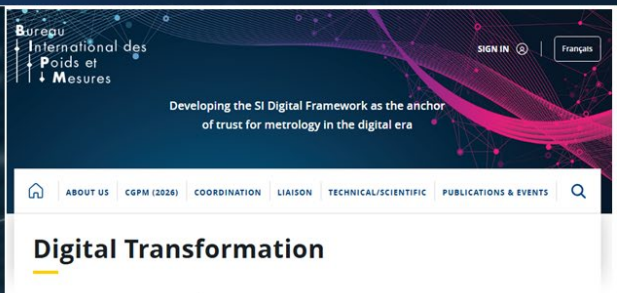


D11 General Requirements for Measuring Instruments – Environmental Conditions

R54 pH Scale for Aqueous Solutions

OIML Digitalization Efforts





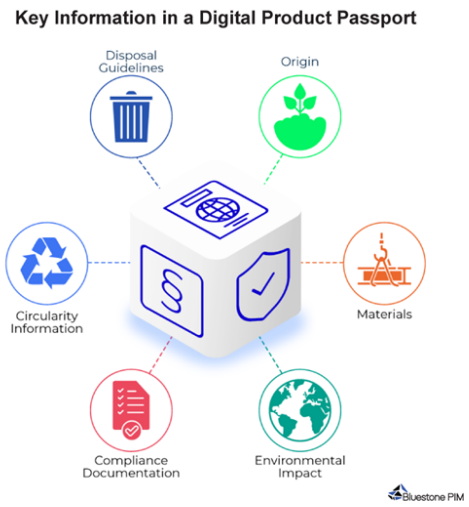
Digital Transformation

Joint Statement of Intent on the digital transformation in the international scientific and quality infrastructure

- **E-Learning**
- **Artificial Intelligence**
- **Digital OIML Recommendations**

Digital Quality Infrastructure

NIST



ISO/IEC JTC 5
Digital Product Passport

First meetings July

Motivated by EU Digital Product Passport
Ecodesign for Sustainable Products Regulation (ESPR)

- Clothing
- Batteries
- Later to include electronics.

Other countries – China, UAE, Turkey

Digital Quality Infrastructure

NIST



ISO/IEC JTC 5
Digital Product Passport

First meetings July

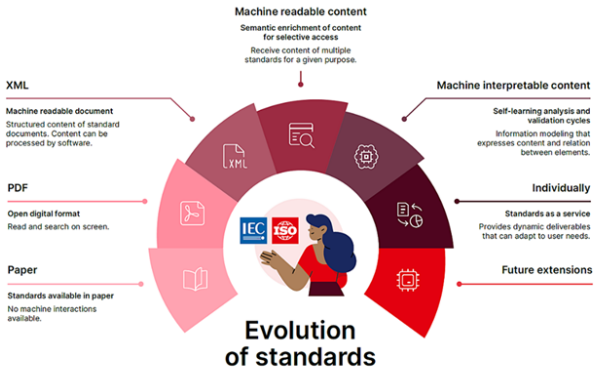
Motivated by EU Digital Product Passport
Ecodesign for Sustainable Products Regulation (ESPR)

- Clothing
- Batteries
- Later to include electronics.

Other countries – China, UAE, Turkey

Digital Type Evaluation Certificate

OIML Work in Digitalization

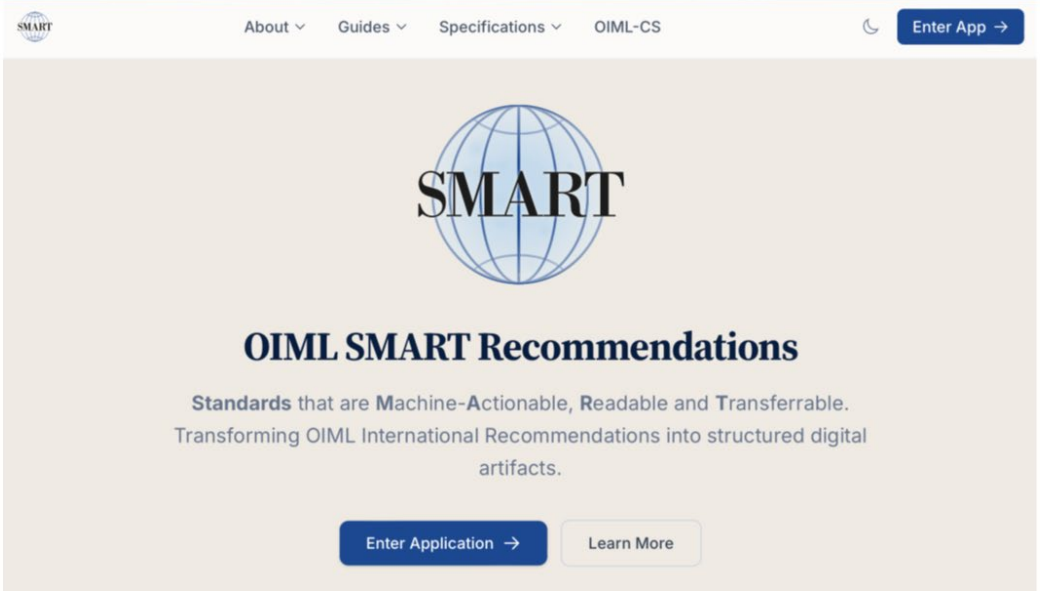


Credit: IEC/ISO SMART

Machine Readable Standards

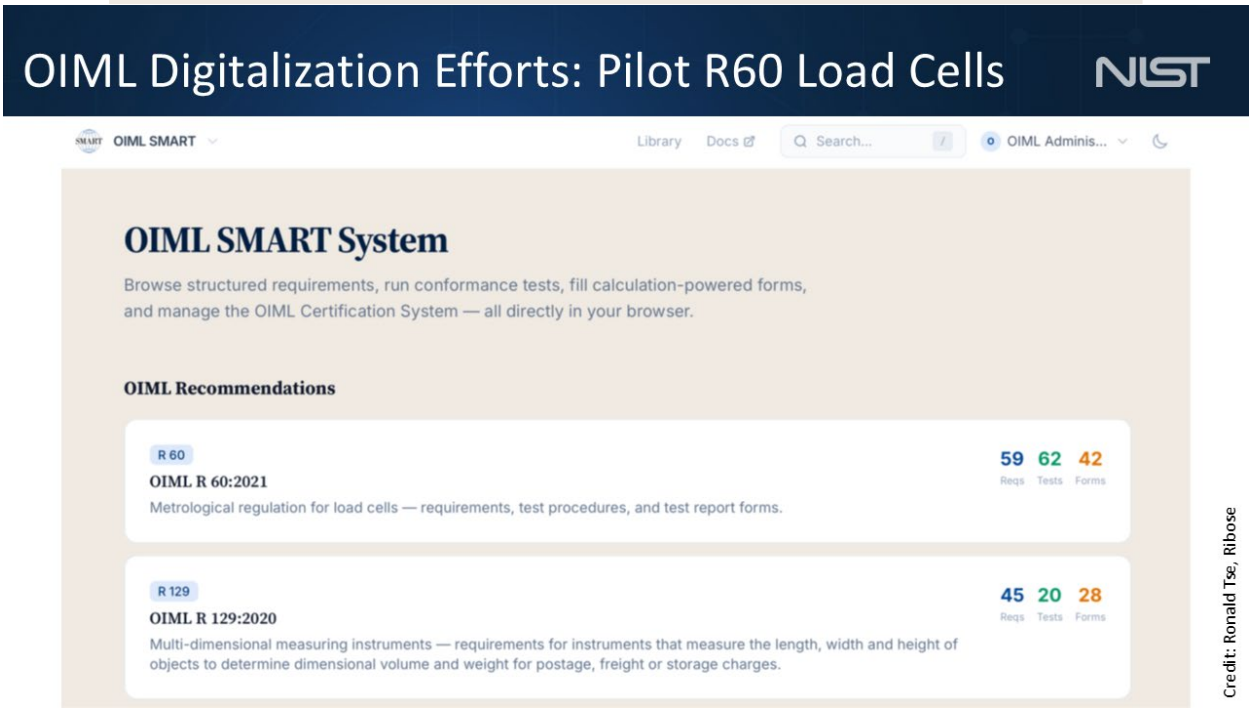
- Pilot R 60 Load Cells
- Test Report
- Type Evaluation Report

OIML Digitalization Efforts: Pilot R60 Load Cells

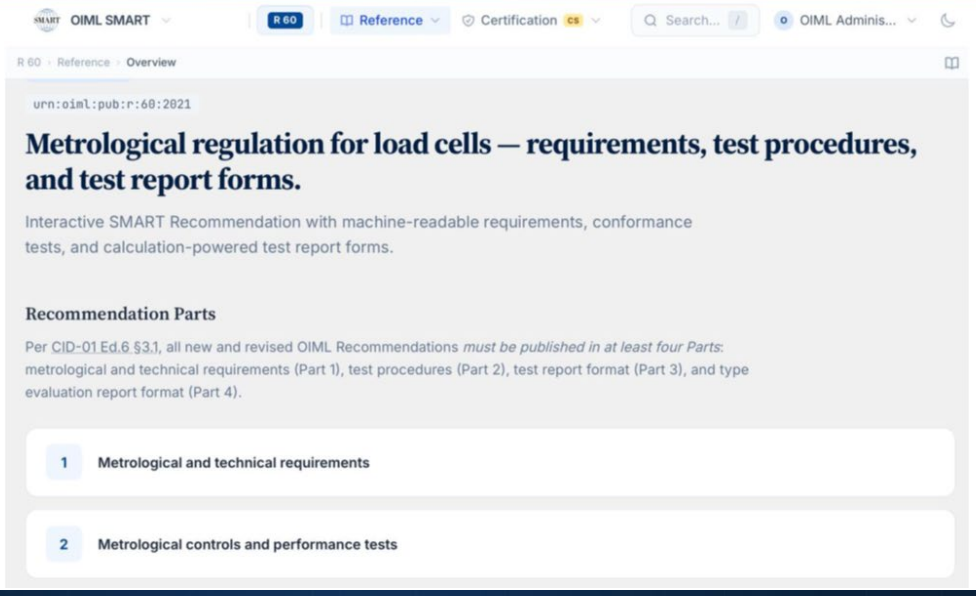


Credit: Ronald Tse, Ribose


OIML Digitalization Efforts: Pilot R60 Load Cells
NIST
About
Guides
Specifications
OIML-CS
Enter App
SMART
OIML SMART Recommendations
Standards that are Machine-Actionable, Readable and Transferrable.
Transforming OIML International Recommendations into structured digital artifacts.
Enter Application
Demo Site: oimlsmart.org
Credit: Ronald Tse, Ribose

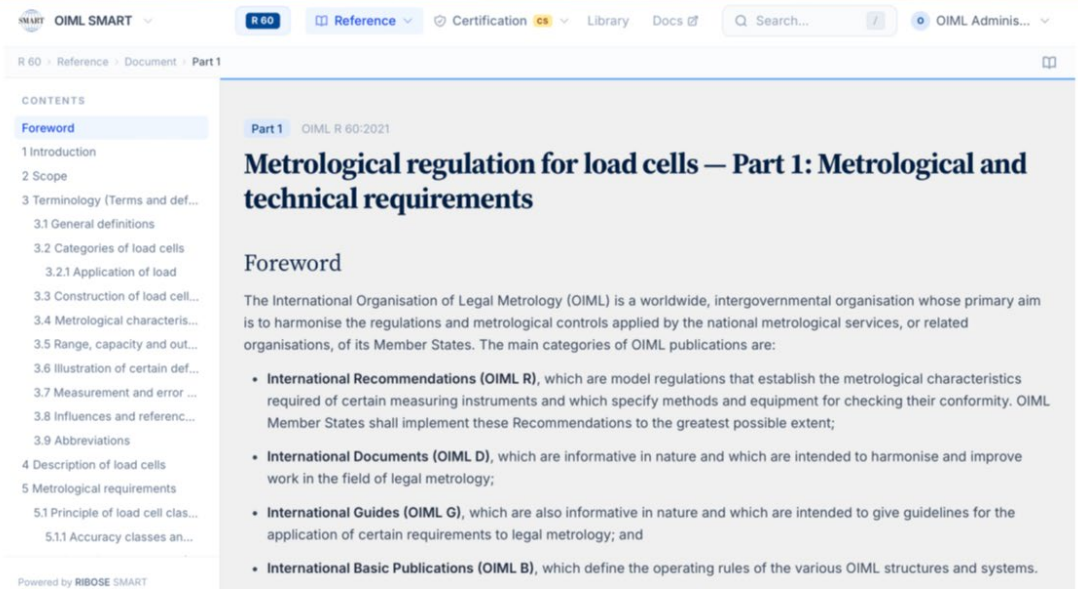

OIML Digitalization Efforts: Pilot R60 Load Cells
NIST
OIML SMART
Library
Docs
Search...
OIML Adminis...
OIML SMART System
Browse structured requirements, run conformance tests, fill calculation-powered forms, and manage the OIML Certification System — all directly in your browser.
OIML Recommendations
R 60
OIML R 60:2021
Metrological regulation for load cells — requirements, test procedures, and test report forms.
59 Reqs
62 Tests
42 Forms
R 129
OIML R 129:2020
Multi-dimensional measuring instruments — requirements for instruments that measure the length, width and height of objects to determine dimensional volume and weight for postage, freight or storage charges.
45 Reqs
20 Tests
28 Forms
Credit: Ronald Tse, Ribose

OIML Digitalization Efforts: Pilot R60 Load Cells



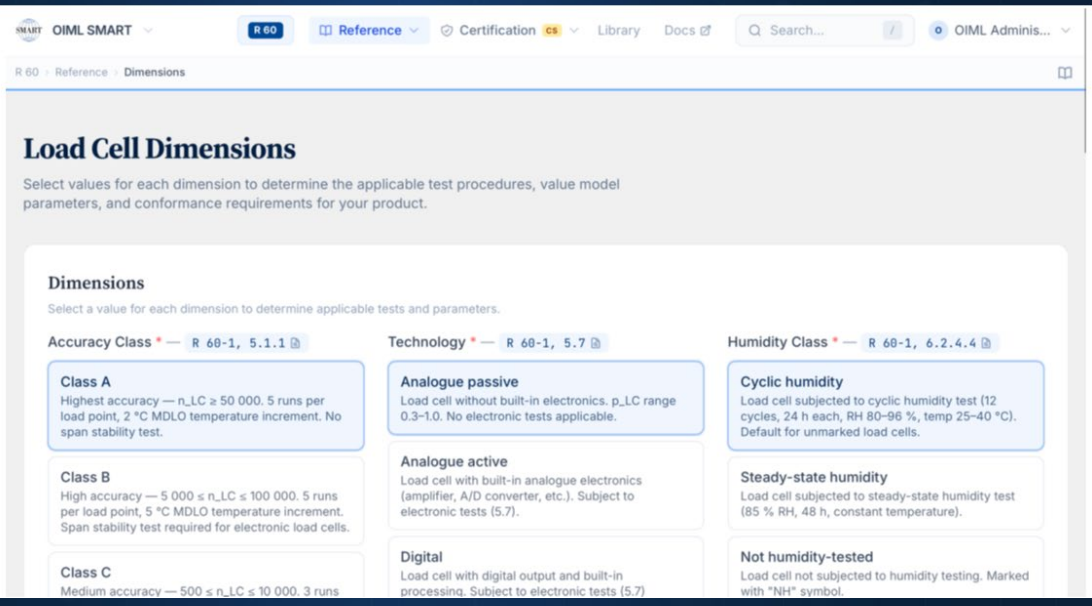
Credit: Ronald Tse, Ribose

OIML Digitalization Efforts: Pilot R60 Load Cells



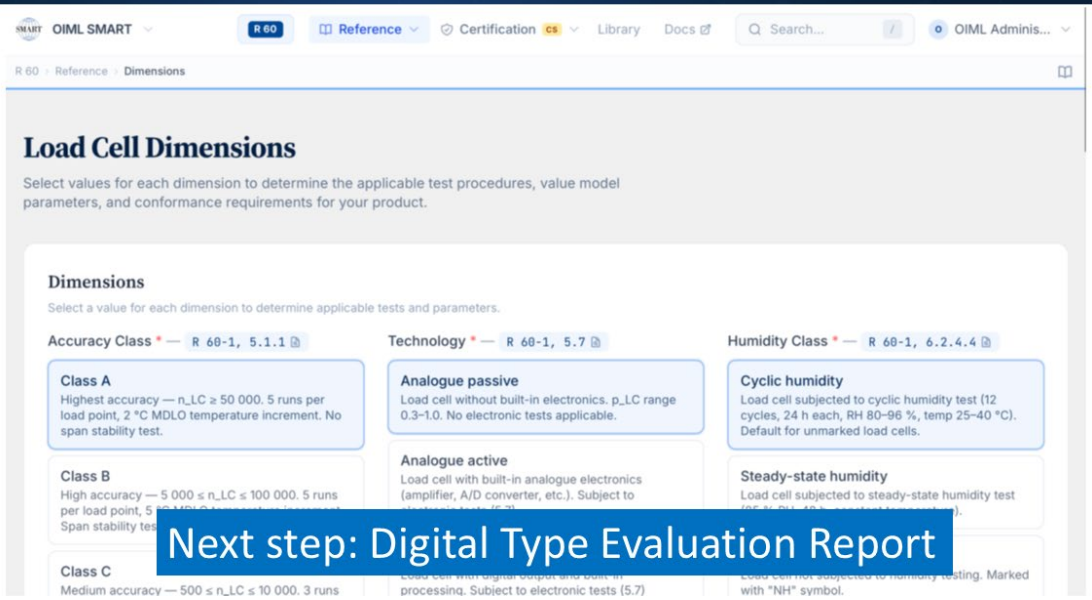
Credit: Ronald Tse, Ribose

OIML Digitalization Efforts: Pilot R60 Load Cells



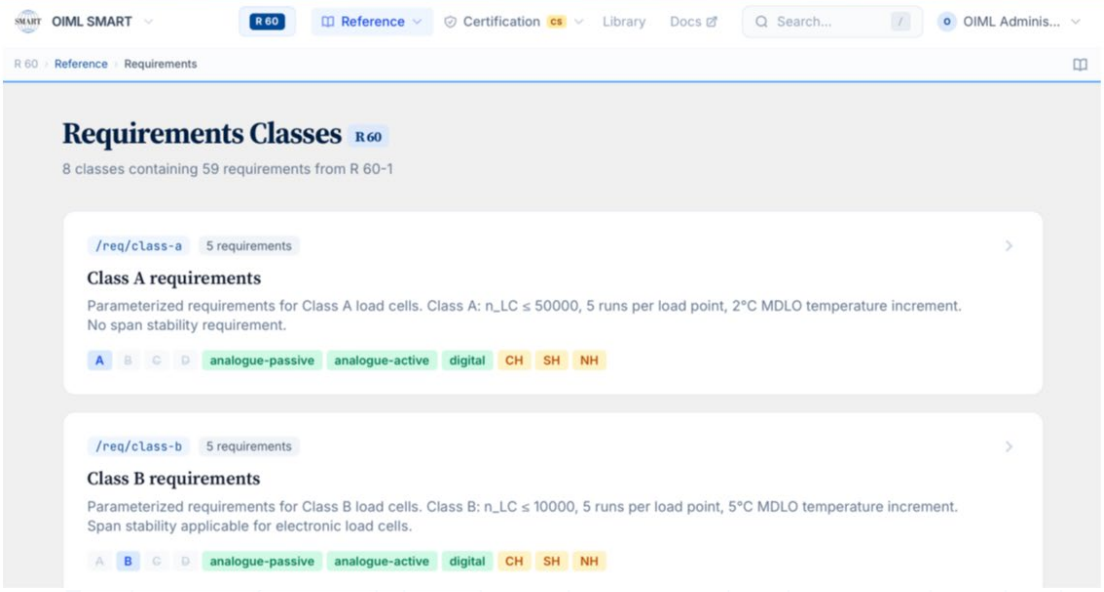
Credit: Ronald Tse, Ribose

OIML Digitalization Efforts: Pilot R60 Load Cells



Credit: Ronald Tse, Ribose

OIML Digitalization Efforts: Pilot R60 Load Cells



Credit: Ronald Tse, Ribose

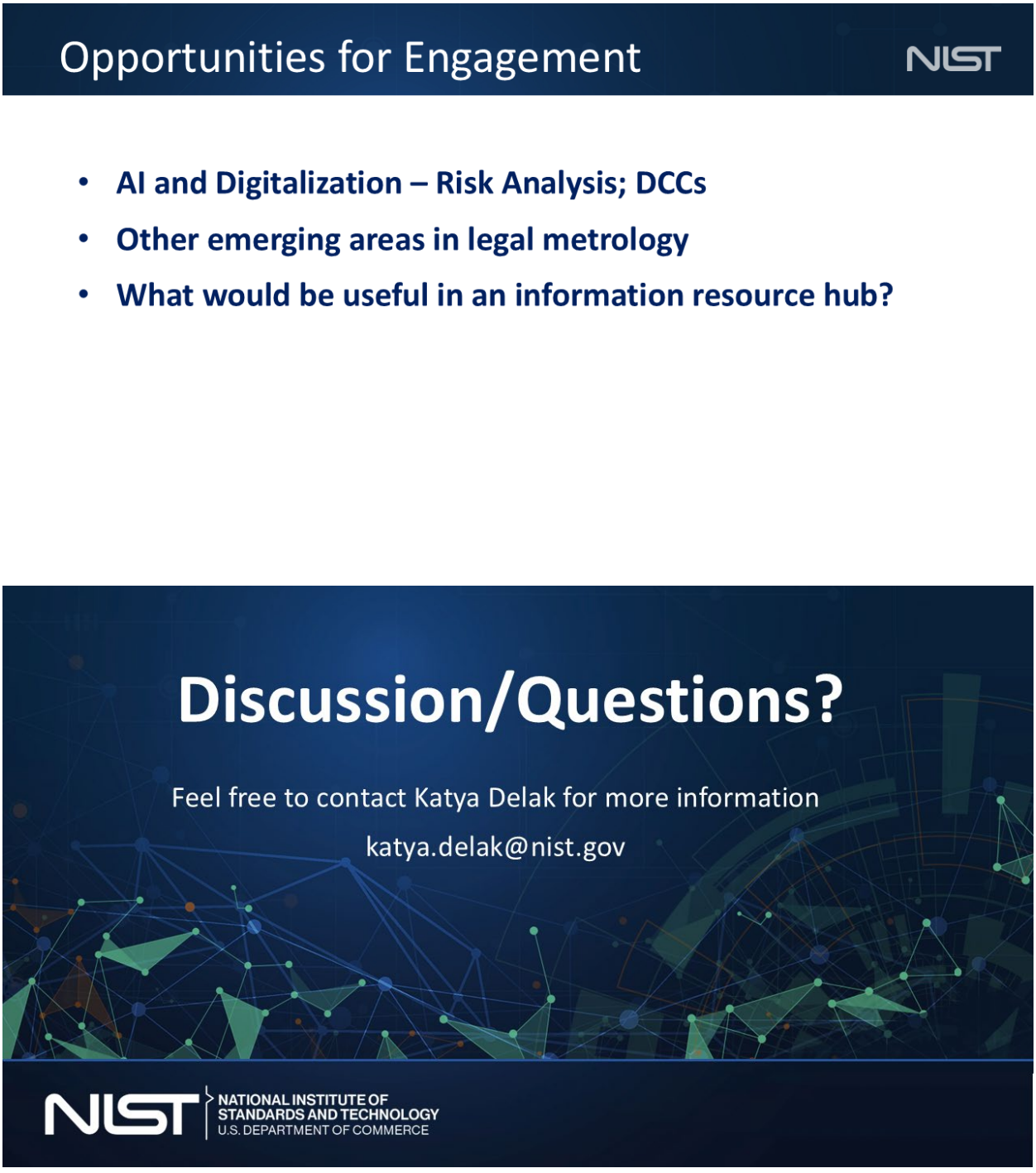
Annual CIML Meeting

- The 61st CIML Meeting is currently scheduled to be held in October 2026.

OIML Certification System (OIML-CS)

- Certification System is now mature
- 37 OIML Recommendations are now in OIML-CS

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U.S. DEPARTMENT OF COMMERCE


Opportunities for Engagement
NIST
• AI and Digitalization – Risk Analysis; DCCs
• Other emerging areas in legal metrology
• What would be useful in an information resource hub?
Discussion/Questions?
Feel free to contact Katya Delak for more information
katya.delak@nist.gov
NIST
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
U.S. DEPARTMENT OF COMMERCE

OIML High Priority Publications

Pub.	Title	Status
B6	*Directives for OIML technical work*	In revision
D11	*General requirements for measuring instruments – Environmental Conditions*	Published 2026
D31	*General requirements for software controlled measuring instruments*	In revision (2CD)
R46	*Active electrical energy meters*	In revision (2CD)
R49	*Water meters for cold potable water and hot water*	Published 2024
R51	*Automatic catchweighing instruments*	8WD; active
R60	*Metrological regulation for load cells*	OIML-CS Review
R76	*Non-automatic weighing instruments*	In revision
R91	*Radar equipment for the measurement of the speed of vehicles*	Published 2026
R117	*Dynamic measuring systems for liquids other than water*	New revision – liquid H2 approved; to start.
R137	*Gas meters*	In revision
R139	*Compressed gaseous fuel measuring systems for vehicles*	OIML-CS Review

OIML High Priority Projects

PG	Pub.	Title	Status
TC5/SC1/p2	D31	*General requirements for software controlled measuring instruments*	In revision
TC12/p1	R46	*Active electrical energy meters*	3CD released with PG meeting in June.
TC12/p3	Rxxx	*Electric Vehicle Supply*	2WD released in advance of PG meetings in June
TC12/p4	Rxxx	*DC Electricity metering*	2WD issued following 1CD; PG meetings June 2026 to work on 2WD
TC9/SC1/p1	R76	*Non-automatic weighing instruments*	Last activity Nov 2025. Core team working on this.
TC6/p6	R87	*Prepackage template*	No updates since April 2022
TC7/SC4/p3	R91	*Radar equipment for the measurement of the speed of vehicles*	Published 2026

Associate Membership Committee Meeting Minutes
Wednesday, July 29th, 2026
NCWM 2026 Annual Meeting – Philadelphia, PA

Call to order: Chairman Jim Pettinato called the meeting to order at 7:33 AM EDT.

Roll call/Introductions: All attendees were asked to introduce themselves and sign the attendance sheet. The Associate Member Committee members present were:

- Jim Pettinato [Chair]
- Brent Price [Vice-chair and L&R Representative]
- Reid Wagner [Secretary/Treasurer]
- Ray Johnson [BOD Representative]
- Perry Lawton [PDC Representative]
- Bill Callaway
- Bob Murnane
- David Boykin
- Chris Wagner

There were approximately 28 attendees overall present at the meeting.

Approval of agenda: The committee reviewed and approved the meeting agenda.

Approval of last meeting minutes: The committee reviewed and approved the previous minutes of the 2026 Interim meeting held in Mobile, AL.

Financial Report: The committee reviewed and approved the financial report. In summary, the account balance as of 6/30/2026 was $24,384.11. Approved payments pending in the amount of $4,123.12 were noted in the committee financial report for the toolkit. Net available funds, less approved pending payments, was reported to be $20,260.99.

NCWM Standing Committee Reports: The committee heard reports from standing committee representatives in attendance.

Board of Directors (BOD): Ray Johnson delivered the BOD report.

- BOD held June strategic planning meeting.
- The proposed increase of AMC dues, from $115 to $140, was approved. The dues increase will take effect FY27/28.
- The work recently completed by the Standards Development Task Group to evaluate the NCWM Charter Team 2 Report of 2018 was noted to be comprehensive, and AMC members are encouraged to review the recommendations.
    - Link: Final Report from the NCWM SDTG (Published June 1, 2026)

Laws & Regulations (L&R): Brent Price delivered the L&R report.

- Three voting items were considered, two with voting consent and no changes of status on items from the 2026 NCWM Interim Meeting.
- Several items are assigned to task groups, and the Committee is awaiting their work and updates to be presented at the 2027 NCWM Interim Meeting.

Professional Development Committee (PDC): Perry Lawton delivered the PDC report.

- The PDC is working to improve communication between various working groups and the PDC.
- The PDC is also investigating capabilities to uplift professional development courses that are emphasizing soft skills.

Old Business:

- The AMC received one training reimbursement inquiry from Wisconsin, but no application has been formally submitted. No additional funding requests have been received since the 2026 NCWM Interim Meeting.
- The increase in associate membership dues and response timing to requests was reviewed.
    - The increase from $115 to $140 was clarified to take effect in fiscal year (FY27/28)
        - Current invoices still reflect $115 for FY26/27
    - Typical response times to funding requests are noted to be on the order of days, which is dependent upon the time it takes to receive sufficient responses from the committee to reach a majority decision.

New Business:

- Assignments to the Committee
    - Jim Pettinato, Brent Price, Reid Wagner, and David Boykin terms expire in 2026 (at the end of the Annual Meeting). All but David Boykin expressed a willingness to continue as AMC committee members. Additionally, Prentiss Searles has retired, leaving another position open. It was communicated to the attendees that anyone interested in an appointment was welcome to volunteer. After some discussion, two additional committee members were appointed:
        - Bryan Just, API
        - Liz Mashie – Wal-Mart
- Election of officers:
    - There was a motion from the floor to nominate the current officers to continue in their roles for the 2026-2027 NCWM session. Motion was seconded and passed. The following Officers positions are retained:
        - Chairman: Jim Pettinato, Guidant
        - Vice-Chairman: Brent Price, Gilbarco
        - Secretary/Treasurer: Reid Wagner, Growth Energy
- Pending requests for funding:
    - AMC agreed to reimburse half of the expenses incurred to develop the promotional video debuted during the NCWM General Session. $623.12 was previously approved for reimbursement under the Toolkit Task Group, however, the total required reimbursement came out to approximately $1465. The AMC requested that Stephen Benjamin put in a new request for additional reimbursement to cover the remaining costs. The additional reimbursements will be reflected in the next AMC financial report.

- Discussion ensued noting the value of promotional and training content such as videos or handouts. The value was widely recognized by the committee.
    - A motion and second was made to allocate $5000 toward the development of “promotional and training content”. The motion passed after brief discussion.
    - The remaining Toolkit Task Group promotional video reimbursements would be deducted from this new fund.
- Pending funding for Connecticut metrology training was also discussed due to the appearance of the line item across multiple AMC financial reports.
    - The funds were originally requested for Connecticut metrology training, which also aimed to create a mentorship program.
    - To date, the funds have not been spent on the program, and the committee was unsure if the work to commence the program has begun.
    - The NCWM Director will reach out to the requestor to get an updated status.
- The committee discussed an addition, or change, to the funding application form, process, or AMC bylaws to help ensure funds requested are utilized in a reasonable timeframe.

- After discussion, consensus was reached that 18 months would be an appropriate timeframe for submitting a reimbursement request for pending approved funding.
- AMC will work to draft a policy document, suggest new language on the application form, or make a recommendation to change the bylaws which will be reviewed at the 2027 NCWM Interim Meeting.

Next Meeting: The next meeting is planned in conjunction with the 2027 NCWM Interim Meeting during the week of January 24th in Redondo Beach, CA; exact time and date TBD.

Meeting Adjournment: Meeting adjourned at 8:26 AM EDT.

Associate Membership Committee:

- *Jim Pettinato (Chair)*
- *Brent Price (Vice-chair, L&R representative)*
- *Reid Wagner (Secretary/Treasurer)*
- *Ray Johnson (BOD representative)*
- *Perry Lawton (PDC representative)*
- *Bill Callaway*
- *Bob Murnane*
- *Bryan Just*
- *Liz Mashie*

Chris Wagner