



International Organization of Legal Metrology

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Organisation Internationale de Métrologie Légale

# OIML Digitalisation Task Group

**Report for the RLMO meeting**

10<sup>th</sup> June 2025

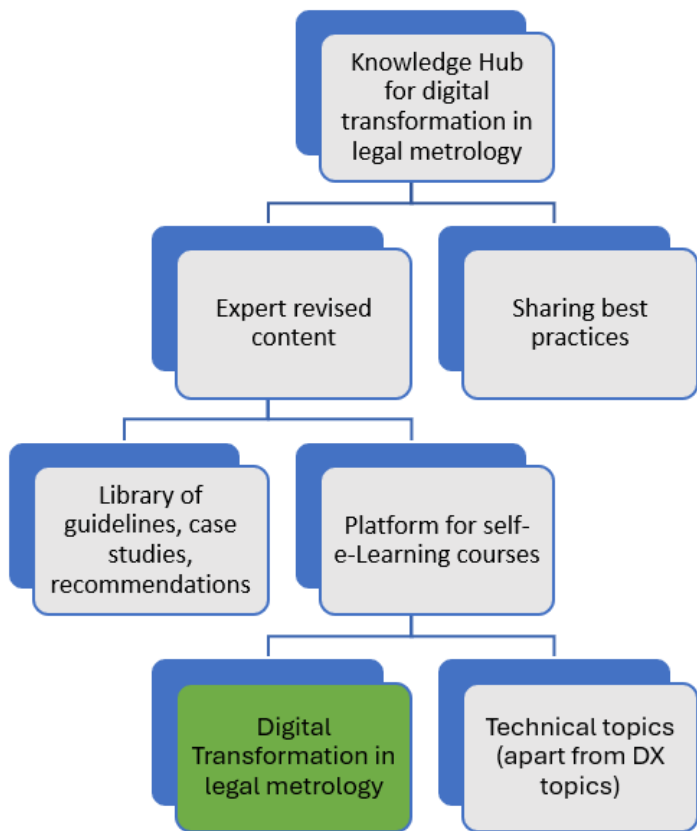


# Activities 2025: Conclusions from DTG survey

## ◀ Digital transformation in legal metrology: insights from the OIML DTG Survey 2024

Recognizing the significance of digitalization, the OIML Digitalisation Task Group (DTG) conducted a survey in 2024 to assess the current state, challenges, and future potential of digitalization in legal metrology. The survey 2024 followed the OIML Seminar held in 2023 in Chiang Mai, Thailand. With responses from over 100 individuals representing CIML Members, OIML-CS utilizers, OIML TCs, SCs and PGs, and sever others, the survey provides valuable insights into the digital transformation of legal metrology.

The questions of the survey are here categorized in three sections: (1) digitalization and digital literacy; (2) challenges and barriers; (3) potential of digitalization. Moreover, the



- General insights and conclusions
- Perspectives from both Subcommittees
- Publication in OIML Bulletin July issue



# Activities 2025: Future outlook and vision

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## The future of the OIML in the digital era

From machine-actionable standards and certificates to novel digital services

**Authors: Sascha Eichstädt, Yang Ping**

### **Abstract**

Since May 2022, the OIML Digitalisation Task Group (DTG) supports the OIML in the definition of and preparation for its future in the digital era. Together with BIML and the CIML Presidential Council, the DTG organised seminars, webinars, workshops and publications on digitalisation topics in legal metrology. This article introduces the topic of digitalisation in legal metrology and draws initial conclusions towards the role of the OIML in the digital era.

## **Publication in OIML Bulletin July issue**

- Fundamental aspects in digital transformation
- Machine-readable information in legal metrology
- Remote testing and remote services in legal metrology
- Artificial intelligence (AI) in legal metrology



# Activities 2025: guidance on AI in legal metrology

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## Compliance of products with embedded artificial intelligence

Overarching principles and declaration to promote convergence of product regulations



## Establish ad-hoc working group

- Outline scope of DTG guidance document (or OIML Guide)
- Develop proposal for CIML for the DTG to develop the document until October 2026



## Next steps

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- ✓ CIPM Forum “Metrology and digitalisation” (02/2025)
- ✓ CIM – Metrology Congress (03/2025)
- OIML Bulletin Issue on “FAIR principles” (07/2025)
- IMEKO M4Dconf (09/2025)
- 60<sup>th</sup> CIML (09/2025)
  
- Update DTG website with information from survey
- Joint webinar series with IMEKO
- Aiming for first e-Learning course
- Aiming for first “simple” SMART OIML R



# Next steps

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## ✓ CIPM Forum “Metrology and digitalisation” (02/2025)



Bureau  
International des  
Poids et  
Mesures

FORUM-MD

### Draft Agenda for the 2nd meeting of the FORUM-MD

Venue: Pavillon du Mail, BIPM, Sèvres, France, with the possibility to attend online

Thursday 20 to Friday 21 February 2025

Meeting begins at 09:00 on 20 February and ends at 13:00 on 21 February 2025

1. Opening of the meeting and appointment of the rapporteur
2. News from the CIPM and the BIPM
3. Forum Chair's report
4. Report from the BIPM-HQ on the BIPM Roadmap on Digitalisation
5. Working Group and Task Group reports
6. Outcomes of the Forum-MD workshops
7. Reports from liaisons organizations including the Joint Statement Signatory Hub
8. Forum structure and governance
  - 8.1 Terms of reference of TGs and WGs
  - 8.2 Members, observers and liaisons of the Forum
  - 8.3 Applications to become member of the Forum
9. Draft resolution on digitalisation for CGPM 2026.
10. Any other business
11. Date of the next Forum meeting



# Next steps

✓ CIM – Metrology Congress (03/2025)





## Next steps

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- 3 – 5 Sep 2025
- Benevento, Italy (and online)

2025 IMEKO TC-6 INTERNATIONAL CONFERENCE ON

# Metrology and Digital Transformation

BENEVENTO, ITALY / SEPTEMBER 3 - 5, 2025



➤ **Special Session “Digitalisation in legal metrology”  
chaired by DTG Chairpersons**



## Next steps

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