Agenda item 11.2.1:

Project proposal

Revision of D 31:2023
General requirements for software-controlled measuring instruments

OIML	Proposal for a new project			
	Within:	TC	5	SC	2
	Date:	12 April 2023			

Proposer(s) (Add line if required):

Name: Marko Esche	Country: Germany	Organisation: PTB

Proposed convener(s)*:   Germany – Marko Esche, secretary of TC 5/ SC 2

Name:	Country:	Organisation:

Type of proposed publication:	☐ New	☒ Revised

☐ Recommendation	☐ Document	☐ Basic	☐ Vocabulary	☐ Guide

Title of proposed publication:

OIML D 31 *General requirements for software-controlled measuring instruments*

Terms of reference of the project, including detailed time frame in accordance with the provisions specified in B 6-1, 6.2:

Scope: With the aim of facilitating adoption of software requirements in OIML publications, the latest edition of D 31 should be revised regarding its document structure. Also, additional guidance shall be provided for PGs on how to use the Document. In addition, Experience reports from PGs indicate that some technical requirements may need to be amended or revised to correct minor problems.

Expected time frame:

PG area set up: 2024-01-15

1CD: 2024-10-01

2CD: 2025-06-01

Why should the OIML develop this publication?

1. At the online meeting of TC 5/SC 2/p 4 in February 2022, the project group agreed to finish the current revision of D 31 in 2023 to provide guidance on new technologies quickly. It was voiced by several participants that an immediate revision to address the structure and usage of the Document would also be needed.
2. During the voting on 2CD and the subsequent minor change procedure Austria, Germany, Brazil and the United States indicated that another revision should be started immediately.
3. The following list of topics to be addressed in the next revision has been compiled from input by different member states:
   a. Choices/selections to be made by PGs during implementation of software requirements should be collected and grouped into one clause.
   b. Visual representations regarding usage of the document may need to be included in an annex.
   c. Technical requirements should be grouped according to the protected and/or secured item.
   d. Clauses addressing more than one requirement should be split into separate subclauses.
   e. It should be ensured that requirements and technical explanations are easily distinguishable.
   f. Technical types of interventions to deal with a full audit trail should be discussed.

Countries/Economies known to, or intending to apply this publication, if applicable:
A great number of regulated instruments include software, so most OIML Member States already regulate instruments affected by this Document.
Relevant associated OIML publications:
Since D 31 provides generic software requirements to be used when revising existing or drafting new OIML Recommendations, almost all Recommendations would eventually be affected by a revision.
List of appropriate liaisons and their work related to this proposed project (include supporting documentation as necessary and reference it here):
IEC, CECIP, CECOD
* As the CIML Member of the Country holding the convenership of this project, I recognise the importance of TC/SC/PG secretariat/convenership work and will make available the resources to ensure the work on the publication is completed in a timely and professional manner in accordance with the provisions in OIML B 6-1 and the detailed time frame as part of this proposal.

Signature(s):

Roman Schwartz,
CIML President
CIML Member for Germany