



Joint Committee for Guides in Metrology

28th Meeting
(23 January 2026)



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1. Opening of the meeting

The Joint Committee for Guides in Metrology (JCGM) held its 28th meeting on-line on 23 January 2026.

The following attended:

Dr Walter Bich (WG1 Convenor)
Prof. Richard J.C. Brown (IUPAP)
Dr Anna Chunovkina (OIML)
Dr Charles Ehrlich (WG2 Convenor, OIML)
Dr Stephen Ellison (IUPAC)
Ms Mercè Ferrés Hernández (ISO)
Mr Hans Arne Frøystein (CIPM)
Prof. Brynn Hibbert (IUPAC)
Mr Svetozar Kapusta (IEC)
Dr Annette Koo (BIPM)
Prof. Luca Mari (IEC)
Prof. Zoltan Mester (IUPAC)
Mr Luis Mussio (OIML)
Dr Gunnar Nordin (IFCC)
Prof. Tomris Özben (IFCC)
Dr Olivier Pellegrino (IEC)
Dr Eric Shirley (IUPAP)
Mr Robert Sitton (JCGM Executive Secretary, BIPM)
Ms Giulia Suriani (ILAC)
Prof. Daniel Varela Magalhães (IUPAP)
Prof. Graham H. White (IFCC)

2. Appointment of a new Chair

The JCGM Executive Secretary recalled that M. Milton had retired from the BIPM and as Chair of the JCGM at the end of 2025. A call for nominations for a new Chair had been circulated to the eight JCGM Member Organizations (MOs) on 24 November 2025 and only one candidature was received, from A. Koo, the new Director of the BIPM. The Executive Secretary asked for a show of hands by the MO representatives to indicate whether or not they approved the appointment. A. Koo was appointed unanimously for a three-year renewable term. She thanked the JCGM for their confidence.

3. Approval of the agenda

The provisional agenda dated 20 November 2025 (document JCGM/2026-00) had been circulated to the delegates in advance of the meeting. The BIPM requested the addition of an item to allow Dr Peter Blattner (International Commission on Illumination, CIE) to give a brief presentation on activities of the roundtable of the signatories of the Joint Statement of Intent on the digital transformation in the international scientific and quality infrastructure (JSI). The JSI roundtable is planning a meeting in March 2026 on the topic of “Making Vocabularies FAIR”.

This topic is relevant to both JCGM working groups. Dr Blattner's participation will allow him to share the activities of the JSI roundtable more generally. It will also give both working groups the opportunity to ask questions about how to engage with the Forum on Metrology and Digitalization (FORUM-MD).

ISO requested the addition of a discussion on the use of the JCGM logo to §10.

The agenda was approved with these additions.

4. Approval of the minutes of the 27th meeting

C. Ehrlich commented that §6 *Report from Working Group 2 (VIM)* contained an error. The second line of the second paragraph stated that there had been 1500+ comments received on the VIM4 2CD; this should have been 750+ comments. The Executive Secretary was asked to make the correction.

The minutes of the 27th JCGM meeting (document JCGM/2025-08) were approved, pending this correction.

5. Review of the decisions taken at the January 2025 meeting

Decision 1 (2025) Following the proposal received from ILAC, M. Milton and E. Oehlenschlaeger will draft text for a note or one or more additional sentences to be added to Section 7.2.1 of the JCGM Charter to specify what is required for proposals for new work. This will be circulated among the Member Organizations to achieve consensus before being sent for a vote.

The following proposal for the additional text was drafted and circulated to the MOs for comment on 27 January 2025.

7.2.1 Setting up *A proposal for new work shall give a clear description of the scope of the work, including: its expected contribution to the Terms of Reference of the JCGM (Article 2) with a succinct description of the expected benefits for the identified stakeholders, its relationships to existing JCGM publications, its relationship to ongoing JCGM work, and a proposed timescale for the work with its completion date.*

Two comments were received following the circulation, both of which supported the proposed text. A. Koo asked if there were any further comments and W. Bich said that he welcomed the proposed text. The JCGM decided to add the text to the Charter and the following decision was agreed.

Decision 1 (2026) The JCGM agreed to adopt the text proposed by M. Milton and E. Oehlenschlaeger to be added to Section 7.2.1 of the JCGM Charter to specify what is required for proposals for new work. The Executive Secretary will make the change and republish the Charter.

Decision 2 (2025) The JCGM agreed to adopt the text proposed by ISO to the second sentence of Annex A (A.2.2) of the JCGM Charter. The Executive Secretary will make the change and republish the Charter.

This decision is complete.

Decision 3 (2025) The JCGM Member Organizations are requested to submit information about statistics on the use of JCGM documents to the Executive Secretary (rsitton@bipm.org).

A. Koo recalled that this request had been made to gain an understanding of the level of adoption and impact of the work of the JCGM.

Z. Mester commented on the data submitted by IUPAC on the citation of JCGM documents in *Pure and Applied Chemistry* via a Scopus search. Between 2014 and 2026 there were 31 hits out of 126 documents. He added that this figure of citation hits to JCGM documents in IUPAC's own journal significantly underestimates the rate of adoption within IUPAC as a whole. For example, IUPAC has implemented most of the GUM and VIM language and procedures in its own internal guidance documents and for outreach purposes. S. Ellison commented that information on citations in other documents remains a good indicator of the wider impact of the JCGM documents and should continue to be monitored periodically.

S. Kapusta presented a table submitted by the IEC giving a breakdown of sales and download figures for JCGM documents via its website and web store. He said that this does not include data from individual Member States, where sales and downloads can be much greater; the figures show approximately one-sixth of total world-wide sales. R.J.C. Brown added that the figures only show the number of people that buy the guides from the IEC web store, whereas the same guides are freely available to download from other sites, including the BIPM website. He cautioned against relying solely on the number of citations to assess the usage of the documents. The GUM and VIM documents are used and consulted daily within the NMI community but without being cited formally. L. Mari further added that the IEC has embedded most of the VIM in its *Electropedia*, which is freely available. Usage data regarding the VIM content in *Electropedia* is not included in the table presented by S. Kapusta.

M. Ferrés Hernández presented data from ISO on sales of the GUM and VIM series from 2014 to the present. A total of 1 343 units had been sold or downloaded during this period, made up of the GUM (995 units) and the VIM (348 units). A further breakdown of sales by webstore/royalties, peak year and top 10 selling ISO standards relevant to the JCGM were given. ISO also presented details of the use of the VIM and GUM-series by the ISO technical community, by committees, technical sector and publication year. There are 454 Standards that refer to *ISO/IEC Guide 99 (VIM)* and 747 Standards that refer to *ISO/IEC Guide 98 (GUM)*.

A. Koo presented viewing statistics for the JCGM documents on the BIPM website for 2025. The figures are significant, for example *JCGM 100:2008(E) Evaluation of measurement data - Guide to the expression of uncertainty in measurement* received 6 874 views by 5 426 users and *JCGM 200:2012 International Vocabulary of Metrology - Basic and general concepts and associated terms* received 3 981 views by 2 930 users.

L. Mussio presented a table showing downloads of JCGM documents from the OIML website in 2025. The figures were significant, with 11 241 downloads of *GUM-1:2023 Guide to the expression of uncertainty in measurement — Part 1: Introduction*, 4 895 downloads of *JCGM 100:2008* and 2 619 downloads of *JCGM 200:2012*. He added that the OIML is encouraging the use JCGM documents in its publications and recommendations. The OIML promotes the publication of new documents via social media, which has a positive effect on the number of downloads.

A. Koo asked if there are any further actions needed by the JCGM to assess the impact of the documents now that these statistics have been presented. L. Mari recalled that both the VIM and the International Vocabulary of Legal Metrology (VIML) are available online as HTML versions. He asked if the BIPM and OIML could supply usage data.

W. Bich recalled that the original request for data on the impact of JCGM documents had come from members of WG1 in response to funding restrictions within NMIs. He said that NMI staff increasingly have to justify the amount of time they spend participating in the activities of WG1 and WG2 to develop documents. He thanked the MOs for providing the data, which provides reassurance regarding usage of the documents. He also commented that it is encouraging to see that documents other than the “legacy GUM” are being used significantly. For example, *JCGM 101:2008 Supplement 1 to the “Guide to the expression of uncertainty in measurement” - Propagation of distributions using a Monte Carlo method* received 1 471 views on the BIPM website in 2025 and 2 018 downloads from the OIML website.

S. Ellison suggested that the JCGM should monitor the usage statistics as an ongoing task to assess any trends and how they are affected by the publication of new and updated documents and the associated promotional activities, rather than simply looking at absolute numbers.

L. Mari added that with increasing digitalization, usage statistics should also consider API access. The VIM4 will be published in a way that will allow access by an API, so consideration should be given on how to monitor and report on this type of access to the data.

E. Shirley suggested that usage statistics for translated versions of the GUM and VIM could be obtained. D. Varela Magalhães supported this suggestion, noting that in Brazil there is a Portuguese version of the VIM on the INMETRO website. It may be possible to obtain statistics on its usage. O. Pellegrino added that a translated version of the VIM is available in Portugal and it would be useful to quantify its usage.

A. Koo proposed that the MOs should continue to submit any information they can readily obtain about statistics on the use of JCGM documents annually to allow the monitoring of trends. This view was supported by the JCGM and the following decision was agreed.

Decision 2 (2026) The JCGM Member Organizations are requested to submit information about statistics on the use of JCGM documents to the Executive Secretary (rsitton@bipm.org) in advance of each plenary meeting.

6. Report from Working Group 1 (GUM)

W. Bich, Convenor of WG1, reported on its activities in 2025. For full details see document JCGM/2026-02. He presented an overview of the meetings that had been held during 2025 and the guidance documents that have already been published.

He presented the documents under development, revision or circulation in terms of priority. The highest priority is *JCGM GUM-5:202X Guide to the expression of uncertainty in measurement – Part 5: Examples*. The first CD of this document, which incorporates 16 examples, was circulated among the MOs and NMIs early in 2025. A Final Draft incorporating feedback was circulated in December 2025 and publication is expected by July 2026. He noted that the first approval has already been received from the IFCC.

The second highest priority was the *Amendment to JCGM 100:2008 Guide to the expression of uncertainty in measurement (GUM 1995 with minor corrections)*. A significant inconsistency was identified concerning the treatment of models in which non-linearity requires higher-order terms in the Taylor expansion. An amendment and motivation were circulated and comments received. The final circulation started in December 2025.

A draft of *JCGM GUM-7:202X Guide to the expression of uncertainty in measurement – Part 7: Propagation of distributions using a Monte Carlo method* is well advanced and a first CD may be ready to circulate during the first half of 2026.

W. Bich gave a brief outline of the other GUM documents that are planned for revision, noting that most are at an early stage.

He recalled that JCGM-WG1 and JCGM-WG2 had held a joint webinar on “measurement uncertainty” on 2 July 2025, which was hosted by the BIPM. The webinar discussed the definition of measurement uncertainty proposed for the VIM4 of “*doubt about the value of the measurand that remains after making a measurement*”. The webinar attracted about 900 participants; about 450 of these expressed their opinion on the new definition with two thirds in favour. Further information will be given in the presentation on the work of WG2.

W. Bich said that climate change and environment is now a permanent agenda item for WG1. Several WG1 members contribute to climate science, with one member co-authoring three papers on the topic in 2025. The convener attended several meetings of the Expert Team on Measurement Uncertainty (ET-MU) of the World Meteorological Organization (WMO). He commented that the WMO is deeply involved in measurement science and has many interactions with WG1. As such, it could be considered as a potential member organization of the JCGM.

The JCGM-WG1 maintains an interest in the topic of metrology and digitalization. A number of talks were given during WG1 meetings and a permanent liaison has been established between WG1 and the FORUM-MD.

W. Bich said that WG1 has an interest in artificial intelligence and its connection with measurement uncertainty. A workshop was held during its November 2025 meeting, which featured four NMI expert presentations and a round-table discussion. The focus was to help WG1 to better understand the way it could contribute to the topic. Key takeaways were the need for a shared AI terminology recognized across the metrology and AI communities, the value of metrological principles for assuring quality of AI data and results, and the relevance of uncertainty in AI classification and examination tasks.

He concluded by giving an update on WG1 membership matters. Clemens Elster (PTB, Germany), the former IUPAP representative to WG1, passed away in 2025. His scientific excellence and personal qualities are deeply missed. Katy Klauenberg (PTB, Germany) has taken over his position. O. Pellegrino (IPQ, Portugal), joined WG1 in October 2025 as an IEC representative.

T. Özben referred to W. Bich’s comments on climate science and environment and noted that the IFCC operates Committees and Task Forces in the areas of environmental impact of laboratories, and green and sustainable laboratories. The IFCC started a certification programme to decrease the negative impact of clinical laboratories on the environment two years ago in Europe. The result is that clinical medical laboratories are switching to green and sustainable technologies. The IFCC is also interested in artificial intelligence and digitalization.

T. Özben suggested that it would be useful to share information on what we are doing to increase the visibility of the work within WG1 in the area of climate science and environment.

G. Suriani commented that ILAC has initiated a review of the guidance document *ILAC G8:09/2019 Guidelines on Decision Rules and Statements of Conformity* and plans to publish the revision by the end of 2026. She asked for assistance from WG1 to ensure that the revised document aligns with WG1 guidance. W. Bich said that he will supply the contact details for the appropriate person on WG1.

7. Report from Working Group 2 (VIM)

C. Ehrlich, Convenor of WG2, reported on its activities in 2025. For full details see document JCGM/2026-04.

He began by presenting an update of WG2 membership, which has increased to 19, with the addition of O. Pellegrino, representing the IEC. R. Sitton has returned as the Executive Secretary of WG2 following the departure of J. Miles to the OIML.

C. Ehrlich said that since the last meeting of the JCGM, WG2 has completed the third committee draft of the VIM4 (VIM4 3CD) and has finalized the written replies to the more than 750 comments received from the circulation of the VIM4 2CD. He added that the current meeting of the JCGM will need to agree whether to circulate the VIM4 3CD for voting and the deadline for replies.

The members of WG2 spent a considerable amount of time during 2025 dealing with the 750 comments received on the VIM4 2CD through many virtual meetings. All comments were addressed, apart from those that were either conflicting or inappropriate. He recalled that WG1 and WG2 held meetings before the joint webinar on “measurement uncertainty” on 2 July 2025 to discuss matters of common interest. These meetings allowed the two Working Groups to achieve agreement on ten of the measurement uncertainty-related entries, which will be included in the VIM4. However, they were unable to reach agreement on the definition of “measurement uncertainty”. The proposed new definition was non-mathematical rather than a mathematical entity and WG2 had concerns about the acceptability of such a radical change.

C. Ehrlich recalled that the joint webinar, held on 2 July 2025 attracted more than 900 attendees. The JCGM Chair made clear at the start of the webinar that the purpose was not to take any formal vote on the proposed change of the definition of “measurement uncertainty”, but to obtain a “snapshot” of the current thinking and views. Two online questions were posed during the webinar:

- Are you in favour of the proposed new definition of “measurement uncertainty” being included in the VIM4?
- Do you need more justification for this proposed change in order to form an opinion?

Of the 450 respondents (about half of the attendees), two-thirds answered the first question positively, but half also answered the second question positively. This implied that some people may have been confused by the questions, since they provided an answer to the first question but in replying the second question then said they needed more information before forming an opinion.

Subsequent to the webinar, discussions among the JCGM Chair and the WG Conveners led to the conclusion that, while there was good evidence to continue the discussion with the

metrology community, there was still more work to be done towards deciding a way forward, such as providing the community with additional information, as the answers to the second question implied. However, progress towards providing additional information was slow, and so in the interest of moving forward with circulating the VIM4 3CD, WG2 members decided to take the default position of maintaining in the VIM4 3CD the definition of “measurement uncertainty” that is in the VIM4 2CD and in the VIM3, which was taken almost verbatim from the GUM.

Another complicating factor concerning how to move forward after the webinar was that a significant number of WG2 members felt that the webinar did not present all sides of the question about the proposed new definition of “measurement uncertainty” in an even way, and therefore that the rationale of the new definition was not sufficiently presented and justified. Those members subsequently drafted a paper to discuss these concerns in a more systematic way. The paper was first sent to WG1 and then submitted to *Metrologia* where it was published as a Short Communication (<https://iopscience.iop.org/article/10.1088/1681-7575/ae1f1e>). The paper has been downloaded over 750 times from the *Metrologia* website to date.

C. Ehrlich recalled that the JCGM had given a mandate to WG2 to expand the treatment of nominal properties in the VIM4 from its treatment in the VIM3. This has been accomplished, by mainly taking the relevant terms and definitions from G. Nordin *et al.*, Vocabulary on nominal property, examination, and related concepts for clinical laboratory sciences, *Pure Appl. Chem.*, 1-23, 2018 (the VIN) and adapting them to make them consistent with the VIM. It was necessary to wait for the resolution of how to treat “measurement uncertainty” so that a new definition of “examination uncertainty” and related concepts could be finalized for the VIM4 3CD. Given the situation regarding “measurement uncertainty”, it was decided to maintain the reference to the VIN and its definition of “examination uncertainty”.

C. Ehrlich recalled that both the VIM4 1CD and 2CD had been distributed to the MOs for comments but no vote. The decision of the 2024 JCGM meeting was to circulate the VIM4 3CD to the MOs again for comment but no vote. This was primarily because of the large number of comments received on the 2CD, but also because of the anticipated possible negative reaction to the proposed new definition of “measurement uncertainty” if it was included in the 3CD. Even though the proposed new definition is not included in the 3CD, there now is a possibility for a negative reaction for not including it. WG2 is now seeking guidance from the JCGM on whether to circulate the 3CD for comment and vote, and to provide a proposed period for this consultation. He presented text for two different covering letters, drafted by WG2, that could be used to accompany the VIM4 3CD when it is circulated to the JCGM MOs, depending on whether it is sent for voting or comment only.

C. Ehrlich concluded by commenting that following the practice introduced with the Annotated VIM3, which was made available in rich hypertextual format via the BIPM website, it is anticipated that the VIM4 will be published not only as a PDF file, but also as an HTML document and in a machine-readable format, to be developed coherently with the BIPM “digital SI” framework. He also noted that WG2 appreciates the SharePoint site that the BIPM made available to WG2 for conducting the development of the VIM4 CDs, however it is mainly used as a document repository. He invited questions and comments.

R.J.C. Brown recalled that the text of the covering letter presented by C. Ehrlich indicated that if the VIM4 3CD is circulated for voting, it will only solicit editorial comments from the MOs. He asked if this is the case and C. Ehrlich confirmed that this is the intention.

D. Varela Magalhães said that IUPAP supports circulating the VIM4 3CD for voting and C. Ehrlich added that the OIML is also supportive of this option. M. Ferrés Hernández commented that in terms of terminology, the JCGM should refer to the latest version of the VIM4 as a final draft for approval, rather than a CD. She noted that the circulation for voting should be clear that WG2 will only be able to accommodate editorial comments. Any technical comments will be kept for consideration in a future revision of the VIM.

The JCGM discussed the text of the covering letter, the background to the difficulties surrounding the definition of measurement uncertainty and whether or not to circulate the latest version of the VIM4 for voting. There was agreement that the JCGM should proceed to circulating the VIM4 for voting. Any appropriate editorial comments received during the circulation shall be considered, but substantive technical comments will be noted for a future edition of the VIM. The JCGM decided that the deadline for the circulation shall be six months and the following decision was agreed.

Decision 3 (2026) The VIM4 Final Draft/Draft for Voting will be sent to the JCGM Member Organizations for a vote on whether to accept the document for publication with a deadline of six months. If the document is accepted for publication, editorial comments received during the circulation will be considered ahead of publication and substantive technical comments will be noted for consideration in a future edition of the VIM.

8. Presentation on activities of the roundtable of the JSI signatories

P. Blattner (International Commission on Illumination, CIE), gave a presentation on the activities of the roundtable of the signatories of the Joint Statement of Intent on the digital transformation in the international scientific and quality infrastructure (JSI). He presented the structure and scope of the JSI, noting that it mentions the SI Digital Framework, which is now well established.

P. Blattner said that the roundtable of the JSI signatories acts as an interface between the CIPM and the JSI signatories. It coordinates the exchange of information and organizes joint events within the framework of the FORUM-MD. The work of the roundtable of the JSI signatories is led by one of the signatory organizations for a two-year period, the current lead organization is the CIE.

The JSI roundtable will make a presentation at the FORUM-MD plenary meeting on 12–13 March 2026 at the BIPM headquarters. It is planning a technical exchange/workshop on the topic of “Vocabularies” on 30–31 March in Geneva (Switzerland). In addition, a roundtable governance and technical exchange meeting is tentatively planned for November 2026 in Hamburg (Germany).

He returned to the planned technical exchange/workshop on vocabularies. The draft objectives of the workshop are to:

1. Create an overview of the vocabularies managed by the different organizations, including scope, formats, governance arrangements and access models.

2. Develop a shared conceptual understanding of key notions related to digital vocabularies, such as digital references, machine readability, interoperability, semantic representation, governance, lifecycle management and value proposition.
3. Identify common challenges and opportunities associated with the digital representation and use of vocabularies across heterogeneous organizational contexts.
4. Explore feasibility pathways for improving the digital usability and interpretability of vocabularies at organizational and cross-organizational levels.
5. Facilitate dialogue on use cases and value creation, including technical, scientific and organizational perspectives.

A. Koo thanked Dr Blattner and invited questions and comments. C. Ehrlich said that he would be able to represent WG2 at the workshop if a hybrid option is available but would not be able to attend in-person. He proposed L. Mari as a possible alternative representative from WG2. W. Bich commented that the workshop was less relevant to WG1 at this early stage. P. Blattner agreed that the workshop will apply mainly to WG2 but added that some of the concepts that are common to vocabularies can also be used within documents, for example digital references or how to maintain versioning; this can apply to the GUM or clauses within the GUM.

9. Reports from the Member Organizations

A. Koo said that any updates from the MOs should be sent to the Executive Secretary for inclusion in the minutes.

10. Any other business

A. Koo recalled that ISO had requested a discussion on the use of the JCGM logo. R.J.C. Brown noted that the minutes of the 24th meeting of the JCGM (2024) included the following text *“The Chair said that the concerns expressed by the IEC and ISO regarding the use of the proposed JCGM logo have been addressed. He reiterated that the logo will be used solely for purposes such as branding of internal documents and reports, for example, by the Convenors when they want to show that the Working Groups are acting as Working Groups of the JCGM.”*

A. Koo commented that the logo is not for external use and asked M. Ferrés Hernández if the text from 2024 answered the concerns raised by ISO. She replied that ISO’s concerns stemmed from the use of the JCGM logo on the recent circulation of the *GUM-5:202X* and the *JCGM 100:2008 Amendment 1*. ISO’s understanding is that the logo should not be used on official publications, including drafts. W. Bich replied that WG1 considers that unbranded “master” documents developed by the Working Groups should carry the JCGM logo as it adds value to the documents. The logo could be removed before documents are sent to the MOs, where they add their own branding. M. Ferrés Hernández replied that from an ISO perspective, the strength of the JCGM comes from the union of the eight organizations working together to develop these documents and using the JCGM logo dilutes this effort. ISO’s understanding is that the JCGM logo should not be used during the ongoing development of drafts. According to the JCGM

charter¹, each organization can develop its own cover page when a document has been published. Following a further discussion, A. Koo commented that the position in the minutes of the 24th meeting was clear. However, if there is a need to clarify the guidance, it can be discussed the next JCGM meeting. M. Ferrés Hernández and W. Bich agreed with this suggestion. It was decided that it is not necessary to remove the JCGM logo from the two GUM documents that are already on circulation but that in future it will not be used on such documents.

Z. Mester said that IUPAC has been reviewing its external engagements, including relevant documents such as the JCGM Charter. IUPAC has found a number of issues with the Charter and he asked the JCGM for advice on how and where to address these questions. He proposed the establishment of an *ad hoc* group to scrutinize the Charter and to flag issues such as gender, language and governance. He added that the Charter does not include a vision for the JCGM or advice on membership lifecycles and is in need of a refresh. A. Koo agreed with the setting up of an *ad hoc* group and called for volunteers. Z. Mester will convene the group and it will report its findings to the JCGM at its next meeting. The JCGM agreed Decision 4.

Decision 4 (2026) An *ad hoc* group will be set up to review the JCGM charter, following a request from IUPAC. The group will be convened by Z. Mester (IUPAC) and will include S. Ellison (IUPAC), A. Koo (BIPM), L. Mari (IEC) and a representative from ISO. Representatives from other Member Organizations are invited to join.

M. Ferrés Hernández agreed to join the *ad hoc* group as the ISO representative after the decisions had been circulated. D. Varela Magalhães provisionally agreed to join as the IUPAC representative.

11. Date and venue of next meeting

The next meeting of the JCGM will be held online on Friday 22 January 2027.

¹ A.2.4.1 On the cover page the logo, acronym and title of the member organization shall be added. Alternatively, a separate cover page may be added before the JCGM cover page with, as a minimum, the member organization's logo, acronym and title, the title of the publication and the JCGM reference number.



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