

Roadmap for implementation of COOMET Strategy for 2020-2025¹

¹ Timeframes for implementing individual activities can be updated by the decision of Presidential Council (owing to the Covid-19 pandemic)

Task A Facilitation of international recognition of national measurement standards

Action	Indicator	2020	2021	2022	2023	2024	2025
A.1. Participation of NMIs and DIs of COOMET member countries in the implementation of the CIPM MRA	Ind-a.1.1	Signing of the CIPM MRA by Armenia, Kyrgyzstan, Tajikistan					
	Ind-a.1.3	Performance of a set of operations to implement the CIPM MRA by all countries, participating in the implementation of the CIPM MRA through COOMET					
	Ind-a.1.5	Implementation of the COOMET Program of comparisons					
	Ind-a.1.8	Carrying out of an annual analysis of the number (and percentage ratio) of piloted COOMET comparisons across COOMET NMIs/DIs					
	Ind-a.1.9	Carrying out of an annual analysis of the timeframe for conducting COOMET comparisons and taking corrective actions for its reduction					
	Ind-a.1.10	Summing up of problematic issues and lessons learnt from COOMET comparisons and preparation of proposals on training activities required within COOMET, their drawing up (documentation) and transfer to TC4					
	Ind-a.1.11	Obtaining of the right to use the CIPM MRA logo by NMIs/DIs of Uzbekistan and Azerbaijan			Obtaining of the right to use the CIPM MRA logo by NMIs/DIs of Armenia, Kyrgyzstan, Tajikistan (if the CIPM MRA is signed)		
A.2. Participation of COOMET in JCRB activities	Ind-a.2.1	Participation of COOMET representatives in JCRB meetings					
A.3. Participation in the update of CIPM MRA documents and update of the COOMET publications concerning the issues of the CIPM MRA implementation	Ind-a.3.1	Participation of COOMET representatives in the update of the CIPM MRA documents					
	Ind-a.3.2	Translation of the suite of new versions of CIPM MRA documents into Russian and posting the translations on the information resources of COOMET					
	Ind-a.3.3	Update of COOMET Recommendation R/GM/15:2014 in view of the new versions of CIPM MRA documents	Update of COOMET Recommendations R/GM/7:2014, R/GM/11:2017, R/GM/12:2015 in view of the new versions of CIPM MRA documents				
A.4. Facilitation of the SI redefinition in COOMET member countries	Ind-a.4.1	Preparation of a Roadmap for TC 1.2 – TC 1.11 for implementation of decisions related to the redefinition of the SI base units	Implementation of the Roadmap for TC 1.2 – TC 1.11 for implementation of decisions related to the redefinition of the SI base units				



Ind-a.1.2 Number of countries, participating in the implementation of the CIPM MRA through COOMET and having CMC entries, published in KCDB, increased	Ind-a.1.4 Number of CMC entries of countries, participating in the implementation of the CIPM MRA through COOMET, increased	Ind-a.1.6 Percentage ratio of COOMET key comparisons to COOMET comparisons and of COOMET supplementary comparisons to COOMET comparisons increased	Ind-a.1.7 Percentage ratio of completed and published COOMET comparisons to COOMET comparisons, registered in KCDB, increased	Ind-a.2.2 Percentage of interregional reviews of CMCs, conducted in COOMET, amounted to at least 80%
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Task B Facilitation of recognition of QMS of NMIs/DIs of COOMET member countries							
Action	Indicator	2020	2021	2022	2023	2024	2025
B.1. Facilitation of the introduction of international standards (ISO/IEC 17025:2017 and ISO 17034:2016) into working practices of NMIs and DIs of COOMET member countries	Ind-b.1.2	Holding of seminars on introduction of standards (ISO/IEC 17025:2017 and ISO 17034:2016) into working practices of NMIs/DIs of COOMET member countries					
B.2 Conduct of peer reviews of QMS of NMIs and DIs of COOMET member countries	Ind-b.2.1	Conduct of peer reviews of QMS of COOMET NMIs/DIs to <u>renew</u> COOMET Confirmations of recognition of NMI/DI QMS in accordance with ISO/IEC 17025:2017 and/or ISO 17034:2016 (according to the schedule of the COOMET Quality Forum)					
	Ind-b.2.2	Conduct of peer reviews of QMS of COOMET NMIs/DIs for the recognition by COOMET of QMS of NMIs/DIs (for UZ, AM, KG, T.J) in accordance with ISO/IEC 17025:2017 and/or ISO 17034:2016 (if the CIPM MRA is signed - according to the schedule of the COOMET Quality Forum)					
	Ind-b.2.3	Summing up of lessons learnt in the performance of works on peer reviews of QMS of COOMET NMIs/DIs and making proposals on the required trainings within COOMET, their drawing up (documentation) and transfer to TC4					
B.3. Training of auditors and technical experts for peer reviews of QMS of NMIs and DIs of COOMET member countries	Ind-b.3.1	Preparation of new COOMET auditors on peer reviews of QMS of COOMET NMIs/DIs					
	Ind-b.3.2	Holding of a seminar (seminars) for COOMET technical experts (TEs) on peer reviews of QMS of COOMET NMIs/DIs					
	Ind-b.3.3		Analysis of the ratio of the number of auditors and technical experts of COOMET across member countries, COOMET NMIs/DIs and number of peer reviews of QMS of COOMET NMIs/DIs, conducted by them				Analysis of the ratio of the number of auditors and technical experts of COOMET across member countries, COOMET NMIs/DIs and number of peer reviews of QMS of COOMET NMIs/DIs, conducted by them
	Ind-b.3.4	Summing up of the learnt lessons by TC 3.1 and preparation of proposals on training needs within COOMET, their drawing up (documentation) and transfer to TC4					
B.4. Development of special requirements (criteria) for QMS of NMIs and DIs	Ind-b.4.1	Preparation of a COOMET Recommendation, setting special requirements (criteria) for QMS of COOMET NMIs/DIs					



Ind-b.1.1 NMIs/DIs of COOMET member countries, submitting their CMCs through COOMET, have COOMET Confirmations of recognition of NMI/DI QMS in accordance with ISO/IEC 17025:2017 and/or ISO 17034:2016

Task C Support of COOMET member countries in gaining the status of membership in the Metre Convention

Action	Indicator	2020	2021	2022	2023	2024	2025
C.1. Informing of National bodies for metrology of COOMET member countries about the benefits of joining the Metre Convention on behalf of COOMET President	Ind-c.1.1	Sending of a letter from COOMET President and of targeted information to National bodies for metrology of COOMET member countries concerning the benefits of joining the Metre Convention (for AZ, AM, BA, GE, CU, KP, KG, MD, TJ, UZ)					
	Ind-c.1.2	Sending of a letter from COOMET President and of targeted information to National bodies for metrology of COOMET member countries concerning the possibilities for NMIs/DIs of countries, if they have the status of an associate member of CGPM (for AM, KP, KG, TJ)					
C.2. Increased participation of representatives of NMIs and DIs of COOMET member countries in the activities of CIPM CCs	Ind-c.2.1	Performance of works by the interested COOMET NMIs/DIs, which are members of the Metre Convention, in accordance with the CIPM CC procedures to gain the status of a member or an official observer in CIPM CCs					
	Ind-c.2.3			Analysis of the participation of COOMET NMIs/DIs in the activities of CIPM CCs			Analysis of the participation of COOMET NMIs/DIs in the activities of CIPM CCs



Ind-c.1.3 Number of COOMET member countries, which became members of the Metre Convention, **increased**

Ind-c.2.2 Number of COOMET NMIs/DIs, which are members of CIPM CCs or official observers in CIPM CCs, **increased**

Task D Facilitation of international practice in legal metrology

Action	Indicator	2020	2021	2022	2023	2024	2025
D.1. Preparation of a COOMET Plan for the translation of OIML publications into Russian	Ind-d.1.1	Preparation of a COOMET Plan for translation of OIML publications into Russian for 2020-2022, and agreeing on the list of publications for translation with EASC			Preparation of a COOMET Plan for translation of OIML publications into Russian for 2023-2025, and agreeing on the list of publications for translation with EASC		
		Translation of OIML publications into Russian in accordance with the Plan			Translation of OIML publications into Russian in accordance with the Plan		
	Ind-d.1.3	Annual monitoring of the implementation of the COOMET Plan for translation of OIML publications			Annual monitoring of the implementation of the COOMET Plan for translation of OIML publications		
D.2. Application of publications of OIML, WELMEC and other RLMOs in working practices of COOMET member countries	Ind-d.2.1	Conduct of a survey to assess the current situation with respect to the application of OIML publications in working practices of COOMET member countries					Conduct of a survey to assess the current situation with respect to the application of OIML publications in working practices of COOMET member countries
	Ind-d.2.2	Preparation of COOMET Recommendations on the basis of OIML publications					
	Ind-d.2.3		Analysis of the <u>appropriateness of application</u> and the <u>current situation regarding the application</u> of Guides of WELMEC and documents of other RLMOs in COOMET member countries				Analysis of the <u>current situation regarding the application</u> of Guides of WELMEC and documents of other RLMOs in COOMET member countries
	Ind-d.2.4		Drawing up of a list (with links) of adopted rules, guides, recommendations in the field of legal metrology of other RLMOs, which are of interest for COOMET member countries				
	Ind-e.2.5		Preparation of a COOMET Plan for translation of Guides of WELMEC and documents of other RLMOs into Russian	Translation of WELMEC Guides and documents of other RLMOs into Russian in accordance with the Plan			
D.3. Holding of training seminars and conferences under the auspices of COOMET on the issues of legal metrology	Ind-d.3.2	Monitoring of the needs of COOMET member countries for training by TC 2, drawing up (documentation) of the training needs and transfer to TC4					



Ind-d.1.2 OIML publications were translated into Russian in accordance with COOMET Plans	Ind-d.2.2 COOMET Recommendations on the basis of OIML publications were prepared	Ind-d.2.6 RLMO documents were translated into Russian in accordance with the COOMET Plan	Ind-d.3.1 At least one training seminar or conference on the topical issues of legal metrology was held during the year in accordance with the needs of COOMET member countries
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Task E Facilitation of advanced training and knowledge transfer in COOMET member countries							
Action	Indicator	2020	2021	2022	2023	2024	2025
E.1. Holding of training seminars, conferences, competitions, roundtables under the auspices of COOMET	Ind-e.1.1		Preparation of an internal procedure for the assessment of training needs and planning of training activities within COOMET				
	Ind-e.1.2	Conduct of an annual survey on the needs of COOMET members in training activities on the topical issues of metrology in different subject fields of cooperation and on the available resources/possibilities for holding training activities in COOMET NMIs/DIs					
	Ind-e.1.3	Preparation of a Plan for training activities of COOMET for 2020-2021		Preparation of a Plan for training activities of COOMET for 2022-2023		Preparation of a Plan for training activities of COOMET for 2024-2025	
	Ind-e.1.4	Organization and holding of training activities (according to the Plan)		Organization and holding of training activities (according to the Plan)		Organization and holding of training activities (according to the Plan)	
	Ind-e.1.5		Holding of the International competition "The Best Young Metrologist of COOMET"		Holding of the International competition "The Best Young Metrologist of COOMET"		Holding of the International competition "The Best Young Metrologist of COOMET"
	Ind-e.1.6	Organization and holding of online/e-learning through the COOMET web-resources and/or by means of existing e-learning tools of other organizations					
	Ind-e.1.7	Holding of training seminars for COOMET under the BIPM CBKT program and programs of other partners					
E.2. Preparation of the information about the possibilities of holding traineeships for experts from NMIs and DIs of COOMET member countries, including traineeships in NMIs/DIs of other RMOs and IMO, and monitoring of their participation	Ind-e.2.1	Conduct of an annual survey on the needs of NMIs/DIs of COOMET member countries in training in the form of traineeships					
	Ind-e.2.2	Conduct of an annual survey of NMIs/DIs of COOMET member countries on proposals on (possibilities of) holding trainings in the form of traineeships					
	Ind-e.2.3	Preparation and sending of the information about the possibilities of holding traineeships of experts from COOMET NMIs/DIs to COOMET member countries (annually)					
	Ind-e.2.4	Annual monitoring of actual traineeships of experts of NMIs/DIs of COOMET member countries					
	Ind-e.2.5	Holding of traineeships of experts from COOMET NMIs/DIs, inter alia under the BIPM CBKT program and programs of other partners					
E.3. Ensuring access of countries with emerging metrology systems (CEEMS) to training activities and traineeships	Ind-e.3.1	Annual monitoring of participation of countries with emerging metrology systems (CEEMS) in training activities and traineeships within COOMET, BIPM CBKT and programs of other partners, including other RMOs and IMO					
	Ind-e.3.2	Conduct of COOMET training activities in CEEMS or at the initiative of CEEMS					
	Ind-e.3.3	Holding of traineeships of experts from CEEMS					
Ind-e.1.4 Training activities under the Plans of training activities of COOMET were performed		Ind-e.1.6 At least 2 e-learning tools were made available to COOMET members and lessons learnt were summed up		Ind-e.2.5 Traineeships of experts from COOMETNMIs/DIs, inter alia under the BIPM CBKT Program and programs of other partners, including other RMOs and IMO, are held (annually)		Ind-e.3.2 COOMET training activities were conducted in CEEMS or at the initiative of CEEMS	
						Ind-e.3.3 Traineeships of experts from CEEMS are held (annually)	

Task F Organization of innovative scientific research in the field of metrology

Action	Indicator	2020	2021	2022	2023	2024	2025
F.1. Making proposals on the fields of innovative research of NMIs/DIs of COOMET member countries in metrology and implementation of the appropriate scientific projects	Ind-f.1.1	Carrying out of an assessment of the interest of NMIs/DIs of COOMET member countries in innovative scientific projects					
	Ind-f.1.2	Preparation of a table of metrological fields of NMIs/DIs of COOMET member countries, in which these NMIs/DIs are active					
	Ind-f.1.3		Determination of promising fields of innovative research in metrology within COOMET				
	Ind-f.1.4	Determination and implementation of innovative scientific projects, related to the redefined SI units, involving NMIs/DIs of COOMET member countries and other RMOs					
	Ind-f.1.5	Preparation of a Concept of innovative research in metrology within COOMET					
	Ind-f.1.6				Carrying out of an assessment of potential funding sources and requirements of internal/external donors for innovative scientific projects of COOMET		
	Ind-f.1.7				Forming of a List of innovative scientific research, involving NMIs/DIs of COOMET member countries and other RMOs, for 2022-2025		
					Implementation of specific scientific research projects according to the List of innovative scientific research, involving NMIs/DIs of COOMET member countries and other RMOs, for 2022-2025		
F.2 Development of scientific cooperation of COOMET NMIs/DIs with NMIs/DIs of other RMOs	-	See indicators Ind-f.1.4 and Ind-f.1.7					
F.3. Making proposals on the inventory of bilateral scientific projects, implemented in NMIs/DIs of COOMET member countries	Ind-f.3.1				Carrying out of an assessment of the appropriateness of inventory of bilateral scientific projects implemented in COOMET NMIs/DIs and making proposals on their inventory		



Ind-f.1.3 Promising fields of innovative research in metrology within COOMET were determined	Ind-f.1.4 Innovative scientific projects, related to the redefined SI units, involving NMIs/DIs of COOMET member countries and other RMOs, were implemented	Ind-f.1.5 Concept of innovative research in metrology within COOMET was prepared	Ind-f.1.6 Assessment of potential funding sources and requirements of internal/external donors for innovative scientific projects of COOMET was carried out	Ind-f.1.7 A list of innovative scientific research, involving NMIs/DIs of COOMET member countries and other RMOs, for 2022 - 2025 was drawn up and works on specific projects are being carried out
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Task G COOMET internal development and external representation							
Action	Indicator	2020	2021	2022	2023	2024	2025
G.1. Addressing the issue of the institutional status of COOMET	Ind-g.1.1	Assessment of the possibility of establishment of COOMET as a legal entity or of the appropriateness of gaining another institutional status for COOMET			Addressing the issue of changing the institutional status of COOMET (taking into account the recommendations of the WG for Strategy and provided that the action program is approved by the COOMET Committee)		
	Ind-g.1.2	Assessment of the possibility of establishment of a permanent Secretariat					
	Ind-g.1.3	Assessment of financing options for COOMET activities					
	Ind-g.1.4			Preparation and discussion of a possible draft COOMET budget and options for the management/internal control of the budget			
	Ind-g.1.5			Assessment of the possibility of making amendments to the COOMET Memorandum of Understanding and Rules of Procedure			



Ind-g.1.1 Assessment was completed regarding the possibility of establishment of COOMET as a legal entity and of the appropriateness of gaining another institutional status for COOMET	Ind-g.1.2 Assessment was completed regarding the possibility of establishment of a permanent Secretariat	Ind-g.1.3 Assessment was completed regarding financing options for COOMET activities	Ind-g.1.4 Preparation and discussion of a possible draft COOMET budget and options for the management/internal control of the budget were completed	Ind-g.1.5 Assessment was completed regarding the possibility of making amendments to the COOMET MoU and Rules of Procedure
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Task G COOMET internal development and external representation								
Действие	Индикатор	2020	2021	2022	2023	2024	2025	
G.2. Performance of works on the improvement of activities of COOMET steering and structural bodies	Ind-g.2.1	Analysis of the effectiveness of COOMET structural bodies (CSBs)						
	Ind-g.2.2		Assessment of the satisfaction of participants of cooperation with the work of COOMET Presidential Council and CSBs			Assessment of the satisfaction of participants of cooperation with the work of COOMET Presidential Council and CSBs		
	Ind-g.2.4	Development of approaches to involvement of CEEMS in activities of CSBs		Implementation of approaches to involvement of CEEMS in activities of CSBs				
	Ind-g.2.5	Preparation of recommendations for CSBs for the development of Work Programs of CSBs, aimed at implementation of strategic tasks and mission of COOMET and today's metrological tasks aimed at sustainable economic and social development (competitiveness, trade, consumer safety, energy efficiency etc.)		Preparation and/or update and implementation of Work Programs of CSBs				
	Ind-g.2.6	Inspection of the scientific and technical level of COOMET publications						
			Preparation and implementation of schedules of update of COOMET publications in CSBs					
	Ind-g.2.7	Update of the Regulations on CBSs						
	Ind-g.2.8				Determination of target groups and targeted content for COOMET communication, realization of an online mechanism of information exchange on the COOMET web-resources			
	Ind-g.2.9	Realization of the possibility of taking part in COOMET events via videoconference						



Ind-g.2.3 The number of countries of origin of Heads of CSBs or members of Presidential Council increased	Ind-g.2.4 Approaches to involvement of CEEMS in activities of CSBs were developed	Ind-g.2.6 The scientific and technical level of COOMET publications was inspected and publications were updated	Ind-g.2.7 Regulations on CSBs were updated	Ind-g.2.8 Online mechanism of information exchange was realized on the COOMET web-resources	Ind-g.2.9 The possibility of taking part in COOMET events via videoconference was realized
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Task G COOMET internal development and external representation							
Действие	Индикатор	2020	2021	2022	2023	2024	2025
G.3. Carrying out activities for promoting/greater visibility of COOMET activities and its relevance at the national and international level	Ind-g.3.1	Creation of a new single information resource of COOMET (website)					
	Ind-g.3.2	Preparation/issue of materials, concerning the activities of COOMET and results of its work (reports, research, abstracts, booklets etc.), inter alia in publications of international and regional organizations, working in the field of metrology					
	Ind-g.3.3	Carrying out of activities to increase the awareness of governmental, industrial and financial communities of COOMET member countries about the significance of international cooperation in the field of metrology and about the role of COOMET					
		Sending of an information letter from COOMET President to National bodies for metrology of COOMET member countries concerning the contribution of COOMET in eliminating technical barriers to trade, facilitating international trade, improving products quality and safety					
		Provision of further consultancy and preparation of information for governmental bodies of COOMET member countries (if necessary)					
	Ind-g.3.4	Translation of fundamental documents on metrology of international metrology organizations into Russian					
	Ind-g.3.5	Giving annually the distinguished title "Honorary metrologist of COOMET" and awarding with breastplates					
	Ind-g.3.6	Preparation of a concept of application of digital technologies in the performance of metrological services of NMIs/DIs of COOMET member countries					
	Ind-g.3.7	Informing about Work Programs of CSBs, aimed at implementation of strategic tasks and mission of COOMET, and about today's metrological tasks, aimed at sustainable economic and social development (competitiveness, trade, consumer safety, energy efficiency etc.)					



Ind-g.3.1 A new single information resource of COOMET (website) was created	Ind-g.3.3 Letters from COOMET President were sent to National bodies for metrology of COOMET member countries concerning the contribution of COOMET in eliminating technical barriers to trade, facilitating international trade, improving products quality and safety	Ind-g.3.4 Fundamental documents on metrology of international metrology organizations are being translated into Russian	Ind-g.3.6 A concept of application of digital technologies in the performance of metrological services of NMIs/DIs of COOMET member countries was prepared
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Task G COOMET internal development and external representation							
Действие	Индикатор	2020	2021	2022	2023	2024	2025
G.4 Enhancing mutually beneficial cooperation of COOMET with external metrology organizations	Ind-g.4.1	Interacting with international metrology organizations, regional metrology organizations (RMOs) and regional legal metrology organizations (RLMOs) with due account for mutual benefits					
	Ind-g.4.2	Implementation of the Memorandum of Understanding between COOMET and EURAMET					
	Ind-g.4.3	Preparation of plans for cooperation or signing of Memorandums of Understanding with other interested RMOs, RLMOs, NCSLI with due account for mutual benefits				Implementation of the plans for cooperation or Memorandums of Understanding	
	Ind-g.4.4	Implementation of the Protocol of cooperation and interaction in the field of metrology between COOMET and EASC					
	Ind-g.4.5	Participation of COOMET representatives in events, organized by RMOs, RLMOs, EASC, NCSLI and IMEKO					
		Participation of representatives of RMOs, RLMOs, EASC, NCSLI in events, held by COOMET					
		Mutual exchange of information about the activities of COOMET and RMOs, RLMOs, EASC, NCSLI					



Ind-g.4.2 Memorandum of Understanding between COOMET and EURAMET is being implemented	Ind-g.4.3 Plans for cooperation were developed or Memorandums of Understanding were signed with other interested RMOs, RLMOs, NCSLI with due account for mutual benefits and their implementation is in progress	Ind-g.4.4 Protocol of cooperation and interaction in the field of metrology between COOMET and EASC is being implemented	Ind-g.4.5 COOMET representatives take part in the events, organized by RMOs, RLMOs, EASC, NCSLI and IMEKO; representatives of RMOs, RLMOs, EASC and NCSLI are invited to take part in the events held by COOMET and information about the activities of the organizations is mutually shared
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