BIPM Strategy (2018)

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106th CIPM, and
Meeting of NMI Directors & MS
Representatives

Bureau
International des
Poids et
Mesures



Programme Timeline for development and agreement ahead of the the 26th CGPM (2018)



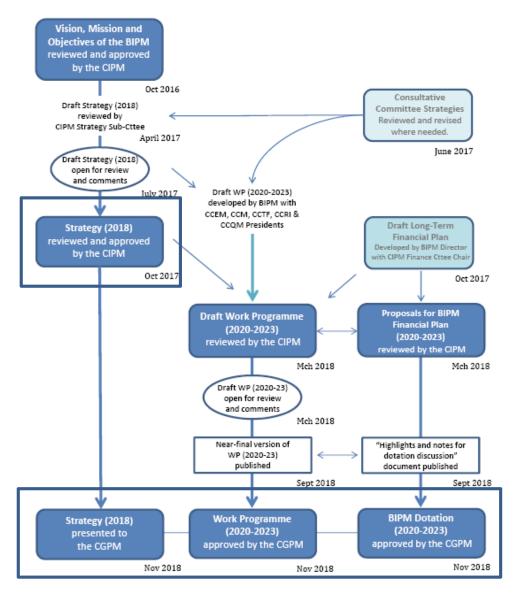


BIPM Strategy and Work Programme

Timeline for development and agreement ahead of the the 26th CGPM (2018)

Review and input scheduled from:
Consultative Committees
CIPM
Member States

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from "Objectives" to "Strategy"

- ◆ The Vision, Mission and Objectives of the BIPM were developed, reviewed and approved by the CIPM at its 105th Meeting (2016).
- The BIPM Strategy (2018) was developed by the BIPM in consultation with the CIPM Strategy Committee and the CIPM to address these objectives.
- ◆ The CC Strategies provide important input (eg CCM, CCEM, CCTF, CCQM and CCRI).
- The agreement of this strategy will be followed by the development of a Work Programme for the years 2020 to 2023 for consideration at the 26th CGPM in 2018.
- The document includes four priorities identified for the strategic planning process.
- The detailed strategic plans are presented in terms of:
 - plans for the short term (2018 2019) and the
 - strategy for the long term (2020 2025).

Progress to date

- Developed and reviewed with the Presidents of CCEM, CCM, CCRI, CCTF and CCQM.
- Brain-storming "away day" for the BIPM Management Team.
- More review and comments from Presidents of CCEM, CCM, CCRI, CCTF and CCQM.
- Review and comments by the CIPM Strategy Sub-committee and CIPM
- Open for comment on BIPM website.
- > Discussed at CIPM (yesterday).
- Final approval by CIPM (Friday).

v6	Open for comment on BIPM website	01/08/2017
v5	Commented on by the CIPM	20/06/2017
v4	Commented on by the CIPM Strategy Sub-Cttee	02/05/2017
v3.1	Commented on by the Presidents of CCM, CCEM, CCRI, CCT&F,	06/04/2017
	CCQM.	
v3.0	Edited following "Away Day" of BIPM Management Team	28/03/2017
v1 & v2	Developed and reviewed with Presidents of CCM, CCEM, CCRI,	
	CCT&F, CCQM.	

The development of this plan reflects established practice and also addresses new challenges facing the BIPM, which are:

1. To identify the highest-value activities required by the Member States by

- operating a Consolidated Planning Process that assembles views from the NMIs, the CIPM and the CC strategies.
- developing a work programme that recognizes the distinctive nature of the BIPM's role.
- recognizing the differing requirements of different NMIs.
- describing activities in sufficient detail to facilitate planning and monitoring of the outcomes of projects.



- 2. To review the technical work needed at the BIPM in physical metrology following the expected decision to redefine the base units of the SI at the 26th CGPM (2018), noting
 - that the dissemination of mass calibrations will continue to be required by NMIs that will not have access to a primary realization.
 - the continuing need to support the dissemination of standards for electrical quantities.



- 3. To balance the resources committed to the three strategic objectives (liaison, technical collaboration and coordination) with the capacity building and knowledge transfer activities, whilst taking account of
 - the need for greater flexibility in the BIPM funding model in order to take advantage of donorfunded projects.
 - opportunities to outsource access to facilities where feasible and beneficial.
 - the need for all departments at the BIPM to be involved in knowledge transfer and capacity-building activities.



- 4. To develop a sustainable long-term financial plan for the operation of the BIPM enabling it to fulfil its mission to 2025 by
 - providing plausible scenarios for decision at the 26th CGPM (2018) that avoid or minimize additional financial obligations that would need to be considered at subsequent meetings of the CGPM.
 - planning for improved financial controls, using independent expert actuarial and financial advice.
 - anticipating the need to recruit and retain staff and exploit existing infrastructure.
 - agreeing on a mechanism for dialogue with Member States regarding the long-term financial sustainability of the BIPM beyond 2025.



"Top level" strategic priorities for IR and chemistry

Ionizing Radiation Metrology				
Detailed strategy	Plans (2018-2019)	Long Term (2020-2025)		
To rationalize the division of activities between the BIPM IR programme, the NMIs and the IAEA.	to optimize the IR programme by taking advantage of the increased representation of NMIs at the reconstituted CCRI, and considering • moving towards a model using external facilities for high cost systems such as accelerator dosimetry, high-activity 60 Co, 192 Ir sources, etc., • developing consensus on sharing responsibilities with the IAEA in support of secondary standards dosimetry laboratories (SSDLs)	of the IR programme whilst minimizing		

Chemical Metrology - to promote and develop the use of SI traceable standards and measurements for chemistry and biochemistry.				
Detailed strategy	Plans (2018-2019)	Long Term (2020-2025)		
To provide and coordinate comparisons of national measurement standards for: - greenhouse gases, demonstrating consistency at levels required to support national energy and environmental priorities; - major air quality gases, demonstrating consistency at levels required to support national health and environmental priorities.	 To coordinate comparison of standards of: carbon dioxide and nitrous oxide in air, with uncertainties congruent with global and urban monitoring requirements; surface ozone for accurate air quality monitoring; nitrogen dioxide to support national air quality and emission policies. 	 To provide the suite of highest-priority comparisons of standard gas mixtures addressing global energy and environmental priorities. To improve the state of the art for measurements of greenhouse gases (for example through the improvement of methods providing traceability for isotoperatio measurements). 		

Summary

- The Long-term Financial Plan is being developed in parallel with the BIPM Strategy (2018).
- Following approval of the Strategy by the CIPM, the development of the Work Programme for 2020-2023 will start.

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