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the Montreal Protocol on Substances  
that Deplete the Ozone Layer  
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## Information on reports and updates by the Technology and Economic Assessment Panel

### Note by the Secretariat

1. At its fortieth meeting, the Open-ended Working Group of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer considered various organizational and other matters related to the Technology and Economic Assessment Panel. Representatives applauded the work of the Technology and Economic Assessment Panel in providing comprehensive advice on technical and economic matters, often within very short deadlines, to assist the parties in reaching their decisions, recognizing in particular that members of the Panel generally undertook their work on a voluntary basis, alongside their employment. Concern was raised, however, that the burden being placed on the Panel was unsustainable, and that parties should review carefully the requests they made of the Panel. In particular, parties should consider whether update reports could be produced less frequently.
2. During the discussions of the parties on the matter, the Working Group agreed to a suggestion that the Secretariat could facilitate a discussion on the topic at the Thirtieth Meeting of the Parties by drawing up a list of current requirements of the Panel to produce reports and updates.<sup>1</sup> The Secretariat has prepared the present note in response to that request.
3. The reports and updates produced by the Technology and Economic Assessment Panel can be grouped into three broad categories:
  - (a) **Technical progress updates** submitted annually to the Open-ended Working Group in accordance with decisions IV/13 and XI/17, including the progress reports of the five technical options committees of the Panel,<sup>2</sup> information on important new developments as well as information on the membership of the Panel, needed expertise and various organizational matters.
  - (b) **Thematic reports** elaborating on specific issues as requested by parties in relevant decisions. These reports can be annual (e.g., evaluation of critical-use nominations for methyl bromide in accordance with decision IX/6, as long as such nominations are submitted by parties) or time-specific (e.g., response in 2018 to the 2014 decision XXVI/5 on laboratory and analytical uses). If specifically requested by parties, thematic reports may comprise an interim report followed by a supplementary, updated or final report that takes into account additional information submitted by

<sup>1</sup> [UNEP/OzL.Pro/WG.1/40/7](#), paras. 78–80, 82.

<sup>2</sup> Technical options committees of the Technology and Economic Assessment Panel: Flexible and Rigid Foams Technical Options Committee, Halons Technical Options Committee, Methyl Bromide Technical Options Committee, Medical and Chemicals Technical Options Committee, Refrigeration, Air-Conditioning and Heat Pumps Technical Options Committee.

parties or information provided by the Panel in response to additional requests and further guidance by the parties.<sup>3</sup>

- (c) **Periodic assessments** prepared typically every three, four or five years, assessing particular issues requested by parties in relevant decisions. These reports comprise primarily:
- (i) Studies on the triennial replenishments of the Multilateral Fund for the Implementation of the Montreal Protocol, prepared every three years in response to decisions setting out the terms of reference of such studies;
  - (ii) Quadrennial assessment and corresponding synthesis reports, prepared every four years pursuant to article 6 of the Montreal Protocol;
  - (iii) Assessments related to the implementation of the Kigali Amendment to the Montreal Protocol on the phase-down of hydrofluorocarbons (HFCs), set out in decision XXVIII/2, namely:
    - a. Review of alternatives to HFCs in 2022 and every five years thereafter;
    - b. Review of alternatives in high ambient temperatures in 2028 and every four years thereafter.

4. The list of reports and updates prepared by the Technology and Economic Assessment Panel in 2018 and those expected to be prepared each year for the period 2019–2030 under each of the three categories mentioned above is presented in tables 1 and 2, respectively. Each report is described by its subject matter and the corresponding decision(s) or parties' request(s) to which a response has been or is to be provided. The total number of currently required individual reports and updates produced in 2018 or expected to be produced by the end of each year for the period 2019–2030 is also indicated in the table.

5. It should be noted that the Panel's response to several past decisions has often been included in its annual progress reports (e.g., reviews of the use of controlled substances as process agents and in laboratory and analytical applications, evaluation of essential-use nominations submitted by parties etc.). In compiling the list of reports in the table the Secretariat has therefore assumed that the Panel will continue to do the same in the future.<sup>4</sup> This does not, however, preclude the Panel from deciding to prepare separate reports on any such issues in future years, if it deems appropriate. If the Panel does decide to do so, the total number of future reports per year will have to be adjusted accordingly.

6. It is also assumed that the response of the Panel to the parties' requests for future reviews set out in decision XXVIII/2 related to the Kigali Amendment to the Montreal Protocol will be provided in separate Panel reports.

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<sup>3</sup> Additional requests to the Technology and Economic Assessment Panel for further information are normally made by the Open-ended Working Group at its mid-year meetings for consideration of the Panel's response by the Meeting of the Parties at its respective end-year meetings.

<sup>4</sup> For example, in 2019 the Panel is expected to respond to decisions XXII/8 (para. 5) and XXIX/7 (para. 3) on the use of controlled substances as process agents. For the purpose of the present note, it is assumed that the expected report by the Panel on the matter will be included in its 2019 progress report.

Table 1  
**Technology and Economic Assessment Panel reports and updates prepared in response to parties' requests in 2018**

Year	Issue	Request by parties to TEAP	Report produced
2018	<b>Progress update</b>		
	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects <b>Decision XI/17</b> – Report on any important new developments	May 2018 progress report
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	May 2018 interim report September 2018 final report
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; review emissions in table B of decision X/14, taking into account parties' submissions, and recommend any reductions to the make-up and maximum emissions	May 2018 progress report
	Destruction technologies for controlled substances	<b>Decision XXIX/4 and additional guidance by OEWG (40th meeting)</b> – Assess destruction technologies for controlled substances	April 2018 task force report May 2018 supplemental task force report Addendum to May 2018 supplemental report
	Halon availability	<b>Decision XXIX/8</b> – Report on the work of a possible joint working group with ICAO on future availability of halons and their alternatives	September 2018 report
	HCFCs in non-Article 5 parties	<b>Decision XXIX/9</b> – Assess requirements for HCFCs in non-Article 5 parties for the period 2020–2030	March 2018 working group report
	Energy efficiency	<b>Decision XXIX/10 and additional guidance by OEWG (40th meeting)</b> – Report on issues related to energy efficiency while phasing down HFCs	May 2018 final task force report September 2018 updated final task force report
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> - Report on laboratory and analytical procedures that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	May 2018 progress report
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	September 2018 report
		<b>Decision XXVI/5</b> – Report on the development and availability of laboratory and analytical procedures that can be performed without using controlled substances	
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	May 2018 progress report
	<b>Periodic assessment</b>		
	Quadrennial assessment	<b>Decision XXVII/6</b> – Prepare the TEAP 2018 quadrennial assessment	TEAP and TOCs 2018 quadrennial assessment reports (6)
		Number of reports produced in 2018:	17

Abbreviations: HCFC - hydrochlorofluorocarbon, HFC – hydrofluorocarbon, ICAO – International Civil Aviation Organization, MOP - Meeting of the Parties, OEWG - Open-ended Working Group, TEAP – Technology and Economic Assessment Panel., TOCs - technical options committees.

Table 2

**Technology and Economic Assessment Panel reports expected to be produced in response to parties' requests during the period 2019–2030<sup>5</sup>**

Year	Issue	Request by parties to TEAP	Report to be produced
2019	<b>Progress update</b>		
	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2019 progress report
		<b>Decision XI/17</b> – Report on any important new developments	
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2019 interim report 2019 final report <i>(only upon submission of nominations)</i>
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2019 progress report <i>(only upon submission of nominations)</i>
	Process agents	<b>Decision XXII/8</b> – Review progress made in reducing process-agent uses and make any additional recommendations on further action to reduce uses and emissions of process agents	2019 progress report
		<b>Decision XXIX/7</b> – Report on the industrial application of any alternative technologies employed by parties in the processes listed in table A of decision X/14	
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2019 progress report <i>(when appropriate)</i>
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical procedures that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2019 progress report
		<b>Decision XVII/10</b> – Report on laboratory and analytical procedures that can be performed without the controlled substance in Annex E of the Montreal Protocol	
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2019 progress report <i>(if and when necessary)</i>	
<b>Periodic assessment</b>			
Quadrennial assessment	<b>Decision XXVII/6</b> – Prepare and present the assessment panels' synthesis report	2018 quadrennial assessment synthesis report	
Number of expected reports in 2019:			4

<sup>5</sup> Reports expected in response to decision XXVIII/2 related to the Kigali Amendment to the Montreal Protocol are highlighted in blue with the relevant paragraphs indicated in parentheses.

Year	Issue	Request by parties to TEAP	Report to be produced
2020	<b>Progress update</b>		
	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2020 progress report
		<b>Decision XI/17</b> – Report on any important new developments	
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2020 interim report 2020 final report <i>(only upon submission of nominations)</i>
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2020 progress report <i>(only upon submission of nominations)</i>
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; review emissions in table B of decision X/14, taking into account parties' submissions, and recommend any reductions to the make-up and maximum emissions	2020 progress report
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and report to the parties when appropriate	2020 progress report <i>(when appropriate)</i>
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2020 progress report
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2020 progress report <i>(if and when necessary)</i>
	<b>Periodic assessment</b>		
Replenishment study for 2021–2023	<b>Expected decision at the 31st MOP in 2019 and potential additional guidance by OEWG (42nd meeting) in 2020</b> – Prepare a report on the appropriate level of the 2021–2023 replenishment of the Multilateral Fund	Replenishment task force report (2021–2023) Supplement to the replenishment task force report	
Number of expected reports in 2020:			5

Year	Issue	Request by parties to TEAP	Report to be produced
2021	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects <b>Decision XI/17</b> – Report on any important new developments	2021 progress report
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2021 interim report 2021 final report <i>(only upon submission of nominations)</i>
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2021 progress report <i>(only upon submission of nominations)</i>
	Process agents	<b>Decision XXII/8</b> – Review progress made in reducing process-agent uses and make any additional recommendations on further action to reduce uses and emissions of process agents	2021 progress report
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and report to the parties when appropriate	2021 progress report (when appropriate)
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2021 progress report
		<b>Decision XVII/10</b> - Report on laboratory and analytical uses that can be performed without the controlled substance in Annex E of the Montreal Protocol	
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2021 progress report <i>(if and when necessary)</i>	
<b>Periodic assessment</b>			
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Number of expected reports in 2021:			3

Year	Issue	Request by parties to TEAP	Report to be produced
	<b>Progress update</b>		
2022	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects <b>Decision XI/17</b> – Report on any important new developments	2022 progress report
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2022 interim report 2022 final report (only upon submission of nominations)
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2022 progress report (only upon submission of nominations)
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; review emissions in table B of decision X/14, taking into account parties' submissions, and recommend any reductions to the make-up and maximum emissions	2022 progress report
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2022 progress report (when appropriate)
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol <b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	2022 progress report
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2022 progress report (if and when necessary)
	<b>Periodic assessment</b>		
	Quadrennial assessment	<b>Expected decision at the 31st MOP in 2019</b> – Prepare the TEAP 2022 quadrennial assessment	TEAP and TOCs 2022 quadrennial assessment reports (6)
	HFCs not listed in Annex F of the Montreal Protocol	<b>Decision XXIX/12</b> – Report on consumption and production of HFCs not listed in Annex F of the Montreal Protocol	
	<a href="#">Review related to the Kigali Amendment to the Montreal Protocol</a>	<b>Decision XXVIII/2, paragraph 4</b> – Review alternatives to HFCs (first review)	<a href="#">Report on review of alternatives to HFCs</a>
	Number of expected reports in 2022:		

Year	Issue	Request by parties to TEAP	Report to be produced	
2023	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2023 progress report	
		<b>Decision XI/17</b> – Report on any important new developments		
	<b>Thematic</b>			
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations in accordance with the criteria established in the decision (and other relevant decisions)	2023 interim report 2023 final report <i>(only upon submission of nominations)</i>	
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2023 progress report <i>(only upon submission of nominations)</i>	
	Process agents	<b>Decision XXII/8</b> – Review progress made in reducing process-agent uses and make any additional recommendations on further action to reduce uses and emissions of process agents	2023 progress report	
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and report to the parties when appropriate	2023 progress report <i>(when appropriate)</i>	
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2023 progress report	
		<b>Decision XVII/10</b> – Report on laboratory and analytical uses that can be performed without the controlled substance in Annex E of the Montreal Protocol		
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable		
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide		
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2023 progress report <i>(if and when necessary)</i>	
	<b>Periodic assessment</b>			
Replenishment study for 2024–2026	<b>Expected decision at the 34th MOP in 2022 and potential additional guidance by OEWG (45th meeting) in 2023</b> – Prepare a report on the appropriate level of the 2024–2026 replenishment of the Multilateral Fund	Replenishment task force report (2024–2026) Supplement to the replenishment task force report		
Quadrennial assessment	<b>Expected decision at the 31st MOP in 2019</b> – Prepare the assessment panels’ synthesis report	2022 quadrennial assessment synthesis report		
Number of expected reports in 2023:			6	

Year	Issue	Request by parties to TEAP	Report to be produced	
2024	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2024 progress report	
		<b>Decision XI/17</b> – Report on any important new developments		
	<b>Thematic</b>			
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2024 interim report; 2024 final report <i>(only upon submission of nominations)</i>	
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2024 progress report <i>(only upon submission of nominations)</i>	
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; review emissions in table B of decision X/14, taking into account parties’ submissions, and recommend any reductions to the make-up and maximum emissions	2024 progress report	
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2024 progress report <i>(when appropriate)</i>	
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2024 progress report	
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable		
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide		
New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2024 progress report <i>(if and when necessary)</i>		
<a href="#">Review related to the Kigali Amendment to the Montreal Protocol</a>	<b>Decision XXVIII/2, paragraph 5</b> – <a href="#">Technology review to enable Group 2 of the Article 5 parties to consider compliance deferral for 2 years from 2028 to address growth in several sectors<sup>6</sup></a>	Report on technology review		
<b>Periodic assessment</b>				
-	-	-	-	
Number of expected reports in 2024:			4	

<sup>6</sup> Decision XXVIII/2, paragraph 5, provides that such a review is to be conducted four or five years before 2028. Here the review has been scheduled four years before 2028.

Year	Issue	Request by parties to TEAP	Report to be produced	
2025	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2025 progress report	
		<b>Decision XI/17</b> – Report on any important new developments		
	<b>Thematic</b>			
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2025 interim report 2025 final report (only upon submission of nominations)	
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2025 progress report (only upon submission of nominations)	
	Process agents	<b>Decision XXII/8</b> – Review progress made in reducing process-agent uses and make any additional recommendations on further action to reduce uses and emissions of process agents	2025 progress report	
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2025 progress report (when appropriate)	
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2025 progress report	
		<b>Decision XVII/10</b> – Report on laboratory and analytical uses that can be performed without the controlled substance in Annex E of the Montreal Protocol		
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable		
n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide			
New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2025 progress report (if and when necessary)		
<b>Periodic assessment</b>				
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Number of expected reports in 2025:			3	

Year	Issue	Request by parties to TEAP	Report to be produced	
2026	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2026 progress report	
		<b>Decision XI/17</b> – Report on any important new developments		
	<b>Thematic</b>			
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2026 interim report 2026 final report (only upon submission of nominations)	
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2026 progress report (only upon submission of nominations)	
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; Review emissions in table B of decision X/14, taking into account parties' submissions, and recommend any reductions to the make-up and maximum emissions	2026 progress report	
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2026 progress report (when appropriate)	
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2026 progress report	
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable		
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide		
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2026 progress report (if and when necessary)	
	<b>Periodic assessment</b>			
	Replenishment study for 2027–2029	<b>Expected decision at the 37th MOP in 2025 and potential additional guidance by OEWG (48th meeting) in 2026</b> – Prepare a report on the appropriate level of the 2027–2029 replenishment of the Multilateral Fund	Replenishment task force report (2027–2029) Supplement to the replenishment task force report	
Quadrennial assessment	<b>Expected decision at the 35th MOP in 2023</b> – Prepare the TEAP 2026 quadrennial assessment	TEAP and TOCs 2026 quadrennial assessment reports (6)		
HFCs not listed in Article F of the Montreal Protocol	<b>Decision XXIX/12</b> – Report on consumption and production of HFCs not listed in Article F of the Montreal Protocol			
Number of expected reports in 2026:			11	

Year	Issue	Request by parties to TEAP	Report to be produced	
2027	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2027 progress report	
		<b>Decision XI/17</b> – Report on any important new developments		
	<b>Thematic</b>			
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2027 interim report 2027 final report <i>(only upon submission of nominations)</i>	
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2027 progress report <i>(only upon submission of nominations)</i>	
	Process agents	<b>Decision XXII/8</b> – Review progress made in reducing process-agent uses and make any additional recommendations on further action to reduce uses and emissions of process agents	2027 progress report	
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2027 progress report <i>(when appropriate)</i>	
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2027 progress report	
		<b>Decision XVII/10</b> – Report on laboratory and analytical uses that can be performed without the controlled substance in Annex E of the Montreal Protocol		
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable		
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide		
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2027 progress report <i>(if and when necessary)</i>	
	<b>Periodic assessment</b>			
Quadrennial assessment	<b>Expected decision at the 35th MOP in 2023</b> – Prepare the assessment panels’ synthesis report	2026 quadrennial assessment synthesis report		
<a href="#">Review related to the Kigali Amendment to the Montreal Protocol</a>	<a href="#">Decision XXVIII/2, paragraph 4</a> – Review alternatives to HFCs (second review)	<a href="#">Report on review of alternatives to HFCs</a>		
Number of expected reports in 2027:			5	

Year	Issue	Request by parties to TEAP	Report to be produced
2028	<b>Progress update</b>		
	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2028 progress report
		<b>Decision XI/17</b> – Report on any important new developments	
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2028 interim report 2028 final report <i>(only upon submission of nominations)</i>
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2028 progress report <i>(only upon submission of nominations)</i>
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; review emissions in table B of decision X/14, taking into account parties’ submissions, and recommend any reductions to the make-up and maximum emissions	2028 progress report
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2028 progress report <i>(when appropriate)</i>
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2028 progress report
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2028 progress report <i>(if and when necessary)</i>
<b>Periodic assessment</b>			
Review related to the Kigali Amendment to the Montreal Protocol	<b>Decision XXVIII/2, paragraphs 32 and 33</b> - Review alternatives in high ambient temperatures (first review)	Report on review of high ambient temperature alternatives	
Number of expected reports in 2028:			4

Year	Issue	Request by parties to TEAP	Report to be produced
	<b>Progress update</b>		
2029	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects	2029 progress report
		<b>Decision XI/17</b> – Report on any important new developments	
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2029 interim report 2029 final report (only upon submission of nominations)
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2029 progress report (only upon submission of nominations)
	Process agents	<b>Decision XXII/8</b> – Review progress made in reducing process agent uses and make any additional recommendations on further action to reduce uses and emissions of process agents	2029 progress report
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2029 progress report (when appropriate)
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol	2029 progress report
		<b>Decision XVII/10</b> – Report on laboratory and analytical uses that can be performed without the controlled substance in Annex E of the Montreal Protocol	
		<b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non-ozone-depleting substances and procedures as applicable	
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2029 progress report (if and when necessary)
	<b>Periodic assessment</b>		
Replenishment study for 2030–2032	<b>Expected decision at the 40th MOP in 2028 and potential additional guidance by OEWG (51st meeting) in 2029</b> – Prepare a report on the appropriate level of the 2030–2032 replenishment of the Multilateral Fund	Replenishment task force report (2030–2032) Supplement to the replenishment task force report	
		Number of expected reports in 2029:	5

Year	Issue	Request by parties to TEAP	Report to be produced
	<b>Progress update</b>		
2030	Technical progress update by TEAP and its TOCs	<b>Decision IV/13</b> – Report annually to OEWG on technical progress in reducing the use and emissions of controlled substances and assess the use of alternatives, particularly their direct and indirect global-warming effects <b>Decision XI/17</b> – Report on any important new developments	2030 progress report
	<b>Thematic</b>		
	Critical-use nominations	<b>Decision IX/6</b> – Review nominations for critical use exemption of methyl bromide and make recommendations based on the criteria established in the decision (and other relevant decisions)	2030 interim report 2030 final report (only upon submission of nominations)
	Essential-use nominations	<b>Decision IV/25</b> – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2030 progress report (only upon submission of nominations)
	Process agents	<b>Decision XVII/6</b> – Review information submitted by parties on process-agent use exemptions, on insignificant emissions associated with a use, and process-agent uses that could be added or deleted from table A of decision X/14; review emissions in table B of decision X/14, taking into account parties' submissions, and recommend any reductions to the make-up and maximum emissions	2030 progress report
	Destruction technologies for controlled substances	<b>Decision XXIII/12</b> – Continue to assess the plasma destruction technology for methyl bromide in the light of any additional information that may become available and to report to the parties when appropriate	2030 progress report (when appropriate)
	Laboratory and analytical uses of controlled substances	<b>Decision XV/8</b> – Report on laboratory and analytical uses that can be performed without controlled substances in Annexes A, B and C (groups II and III) of the Montreal Protocol <b>Decision XXIII/6</b> – Continue reviewing international standards that mandate the use of ozone-depleting substances and work with the organizations that promulgate such standards to include non- ozone-depleting substances and procedures as applicable	2030 progress report
	n-Propyl Bromide	<b>Decision XIII/7</b> – Report on use and emissions of n-propyl bromide	
	New substances	<b>Decision IX/24</b> – Report on any new substances with ozone-depleting potential including an evaluation of the extent of use or potential use and, if necessary, the potential alternatives, and make recommendations on actions the parties should consider taking	2030 progress report (if and when necessary)
	<b>Periodic assessment</b>		
Quadrennial assessment	<b>Expected decision at the 39th MOP in 2027</b> - Prepare the TEAP 2030 quadrennial assessment		
HFCs not listed in Article F of the Montreal Protocol	<b>Decision XXIX/12</b> – Report on consumption and production of HFCs not listed in Article F of the Montreal Protocol	TEAP and TOCs 2030 quadrennial assessment reports (6)	
Number of expected reports in 2030:			9

Abbreviations: HFC – hydrofluorocarbon, ICAO – International Civil Aviation Organization, MOP - Meeting of the Parties, OEWG - Open-ended Working Group, TEAP – Technology and Economic Assessment Panel, TOCs - technical options committees.