



Distr.: General
8 March 2019

English only



United Nations
Environment
Programme

Open-ended Working Group of the Parties to
the Montreal Protocol on Substances that
Deplete the Ozone Layer
Forty-first meeting
Bangkok, 1–5 July 2019

Revised information on reports and updates by the Technology and Economic Assessment Panel

Note by the Secretariat

1. At the Thirtieth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer, held in November 2018, the parties reviewed the requirements of the Technology and Economic Assessment Panel to produce reports and updates in future years, which were listed in a note prepared by the Secretariat,¹ with a view to relieving the burden being placed on the Panel.
2. Upon consideration of the matter, the Meeting of the Parties adopted decision XXX/15 on the review of the terms of reference, composition, balance, fields of expertise and workload of the Technology and Economic Assessment Panel. In paragraph 2 of that decision, the parties noted that subsequent provisions (set out in paragraphs 3, 4, 5 and 6 of the decision) superseded prior direction to the Panel regarding the periodicity of assessments of process agents, laboratory and analytical applications, destruction technologies, n-propyl bromide and possible new substances.
3. The present note provides a revised list of the requirements of the Technology and Economic Assessment Panel for reports and updates in each year during the period 2019–2030, taking into account all relevant decisions adopted at the Thirtieth Meeting of the Parties,² as well as the requirements pertaining to the submission by Norway in November 2018 on a number of new substances observed in the Arctic.
4. As is indicated in the original note by the Secretariat, 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,³ 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. Such reports can be annual (e.g., the evaluation of critical-use nominations for methyl bromide in accordance with decision IX/6, as long as such nominations are submitted by parties);

¹ UNEP/OzL.Pro.30/INF/6.

² Decisions XXX/2, XXX/3, XXX/5, XXX/6, XXX/7 and XXX/15, each of which contains requests for reports and updates by the Panel.

³ 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.

time-specific (e.g., the response in 2020 to decision XXX/7, adopted in 2018, on the future availability of halons and their alternatives), or reviews on certain issues, provided that specific conditions are met (see para. 6 below). 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 parties or information provided by the Panel in response to additional requests and further guidance by the parties;⁴

(c) **Periodic assessments** on particular issues that have been requested in relevant decisions of the Meeting of the Parties and prepared typically every three, four or five years. Those reports comprise:

- (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.

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

6. Reporting requirements related to the issues dealt with under paragraph 2 of decision XXX/15 are grouped together in the table, when relevant, noting that reviews are to be conducted only if the specific conditions set out in the decision are met. Those issues and the respective conditions are as follows:

- (a) **Process agents:** Review process-agent uses of controlled substances no earlier than 2021, and every four years thereafter, if new compelling information becomes available;
- (b) **Laboratory and analytical applications:** Review the laboratory and analytical uses of controlled substances if new compelling information becomes available indicating an opportunity for significant reductions in production and consumption;
- (c) **Destruction technologies:** Following the submission of the report called for in decision XXX/6, to provide a review of destruction technologies, if new compelling information becomes available;
- (d) **N-propyl bromide:** Provide information on n-propyl bromide to parties if new compelling information becomes available;
- (e) **Possible new substances:** Provide information to parties on possible new substances if any previously unreported substances are identified that may have a likelihood of substantial production.⁵

7. It should be noted that the Panel's responses to several decisions (e.g., reviews of the use of controlled substances as process agents and in laboratory and analytical applications, and evaluations of essential-use nominations submitted by parties) have often been included in its annual progress reports. In compiling the list of reports in the table, the Secretariat has therefore assumed that the Panel

⁴ Additional requests to the Technology and Economic Assessment Panel for further information are normally made by the Open-ended Working Group at its midyear meetings for consideration of the Panel's response by the Meeting of the Parties at its end-of-year meetings.

⁵ The process of dealing with possible new substances is set out in decision IX/24.

will continue to do the same.⁶ This does not, however, preclude the Panel from deciding to prepare separate reports on any such issues if it deems appropriate. If the Panel decides to do so, the total number of reports per year will have to be adjusted accordingly.

8. It is also assumed that the responses 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.

9. With the exception of 2019, for which there is certainty about the parties' nominations for critical-use and essential-use exemptions, requests for reports by the Panel are included in the list of requirements for all future years, provided that such nominations are submitted.

10. In the case of reviews that are expected if specific conditions are met, the corresponding requests for reports by the Panel are included in the list of requirements for all years to which the respective decisions refer. In the case of process agent uses of controlled substances, for example, the Panel is requested in decision XXX/15 to review such uses no earlier than 2021, and every four years thereafter, if new compelling information becomes available. The request for such a report appears in the table for all years from 2021 onwards, given that the year in which new compelling information will become available cannot be known and the ensuing four-year reporting intervals (in accordance with the condition set out in the decision) cannot be determined.

⁶ For example, in 2019 the Panel is expected to respond to decision XXIX/7 (para. 3) on the use of controlled substances as process agents. For the purposes of the present note, it is assumed that the report expected from the Panel on the matter will be included in its 2019 progress report.

Technology and Economic Assessment Panel reports expected to be produced in response to parties' requests during the period 2019–2030

Year	Issue	Request by parties to TEAP	Report to be produced
2019	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports^a		
	Critical-use nominations	Decision IX/6 – 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
	CFC-11	Decision XXX/3 – Provide the parties with information on potential sources of emissions of CFC-11 and related controlled substances from potential production and uses, as well as from banks, that may have resulted in emissions of CFC-11 in unexpected quantities in the relevant regions; a preliminary report should be provided to OEWG at its 41st meeting and a final report to the 31st MOP	2019 preliminary task force report 2019 final task force report
	Energy efficiency	Decision XXX/5 – Prepare a report on the cost and availability of low-GWP technologies and equipment that maintain or enhance energy efficiency, inter alia, covering various refrigeration, air-conditioning and heat-pump sectors, in particular domestic air-conditioning and commercial refrigeration, taking into account geographical regions, including countries with high-ambient-temperature conditions	2019 task force report ^b 2019 final updated task force report
	Process agents	Decision XXIX/7 – Report to OEWG at its 41st meeting on the industrial application of any alternative technologies employed by parties in the processes listed in table A, as updated in the annex to the decision	2019 progress report
	Destruction technologies for controlled substances	Decision XXX/6 – Assess those destruction technologies listed in annex II to the report of the 30th MOP as not approved or not determined, as well as any other technologies, and to report to the 33rd MOP, with the understanding that, if further information is provided by parties in due time, in particular regarding the destruction of Annex F, group II, substances by cement kilns, the Panel should report to an earlier meeting of OEWG	2019 progress report <i>(only upon provision of further information by parties in due time)</i>
	Possible new substances	Decision IX/24 – To request SAP to carry out an assessment of the ozone-depleting potential of any possible new substances of which it is aware either as a result of information provided by parties or otherwise, to pass that information to TEAP as soon as possible and to report to the next ordinary MOP	Report on possible new substances
	Destruction technologies; n-propyl bromide; laboratory and analytical uses	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note) ^c	
Periodic assessments			
Quadrennial assessment	Decision XXVII/6 – Prepare and present the assessment panels' synthesis report	2018 quadrennial assessment synthesis report	
		Indicative number of expected reports in 2019	9

^a Given that no essential-use nominations had been received by January 2019, the Panel is not expected to prepare a corresponding report in 2019.

^b Submission of a report is not specified in the decision, but the Panel has understood the intent of parties that a report be submitted to the 41st meeting of OEWG and a final updated report to the 31st MOP.

^c Reports to be produced on the listed issues are not indicated herein given that the time at which the respective conditions set out in decision XXX/15 will be met is not known.

Year	Issue	Request by parties to TEAP	Report to be produced
2020	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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	Decision IV/25 – 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>
	Halon availability	Decision XXX/7 – Submit a report on halon availability, based on the assessment and identification activities set out in paragraphs 2 (a)–(d) of the decision, to the parties in advance of the 42nd meeting of OEWG	2020 progress report
	Destruction technologies for controlled substances	Decision XXX/6 – Assess those destruction technologies listed in annex II to the report of the 30th MOP as not approved or not determined, as well as any other technologies, and to report to the 33rd MOP, with the understanding that, if further information is provided by parties in due time, in particular regarding the destruction of Annex F, group II, substances by cement kilns, the Panel should report to an earlier meeting of OEWG	2020 progress report <i>(only upon provision of further information by parties in due time)</i>
	Destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances ^d	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Periodic assessments		
Replenishment study for 2021–2023	Expected decision at the 31st MOP in 2019 and potential additional guidance by OEWG (42nd meeting) in 2020 – 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	
		Indicative number of expected reports in 2020	5

^d The process of dealing with possible new substances is set out in decision IX/24.

Year	Issue	Request by parties to TEAP	Report to be produced
2021	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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	2021 progress report
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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	Decision IV/25 – 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>
	Destruction technologies for controlled substances	Decision XXX/6 – Assess those destruction technologies listed in annex II to the report of the 30th MOP as not approved or not determined, as well as any other technologies, and to report to the 33rd MOP, with the understanding that, if further information is provided by parties in due time, in particular regarding the destruction of Annex F, group II, substances by cement kilns, the Panel should report to an earlier meeting of OEWG	2021 progress report
	Process agents; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
Periodic assessments			
-	-	-	-
Indicative number of expected reports in 2021			3

Year	Issue	Request by parties to TEAP	Report to be produced
2022	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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	2022 progress report
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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	Decision IV/25 – 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; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Periodic assessments		
	Quadrennial assessment	Expected decision at the 31st MOP, in 2019 – Prepare the TEAP 2022 quadrennial assessment	
	HFCs not listed in Annex F to the Montreal Protocol	Decision XXIX/12 – Provide in the quadrennial reports of the assessment panels to be presented to the 35th MOP, in 2023, and every four years thereafter, information on the consumption and production of HFCs not listed in Annex F of the Protocol that have global warming potential no less than the lowest global warming potential of the HFCs listed in Annex F	TEAP and TOCs 2022 quadrennial assessment reports (6)
HCFC availability	Decision XXX/2 – Provide in its quadrennial reports to be presented to the 35th MOP, in 2023, and to the 39th MOP, in 2027, information on the availability of Annex C, group I, substances, including amounts available from recovery, recycling and reclamation, and best available information on country-level and total known stocks, as well as the availability of alternative options for the applications described in Article 2F, paragraphs 6 (a) and 6 (b)		
Review related to the Kigali Amendment to the Montreal Protocol	Decision XXVIII/2, paragraph 4 – Conduct periodic reviews of alternatives to HFCs in 2022 and every five years thereafter, and provide technological and economic assessments of the latest available and emerging alternatives to HFCs (first review)		Report on the review of alternatives to HFCs
Indicative number of expected reports in 2022			10

Year	Issue	Request by parties to TEAP	Report to be produced
2023	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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 (only upon submission of nominations)
	Essential-use nominations	Decision IV/25 – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2023 progress report (only upon submission of nominations)
	Process agents; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Review related to the Kigali Amendment to the Montreal Protocol	Decision XXVIII/2, paragraph 5 – Conduct a technology review four or five years before 2028 to consider a compliance deferral of two years from the freeze date of 2028 for Article 5, group 2, parties to address growth above a certain threshold in several sectors ^e	Report on technology review
	Periodic assessments		
	Replenishment study for 2024–2026	Expected decision at the 34th MOP, in 2022, and potential additional guidance by OEWG (45th meeting) in 2023 – 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	Expected decision at the 31st MOP, in 2019 – Prepare the assessment panels’ synthesis report	2022 quadrennial assessment synthesis report	
		Indicative number of expected reports in 2023	6 or 7 ^e

^e In case the review in response to decision XXVIII/2, para. 5, is conducted five years before 2028.

Year	Issue	Request by parties to TEAP	Report to be produced
2024	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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 (only upon submission of nominations)
	Essential-use nominations	Decision IV/25 – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2024 progress report (only upon submission of nominations)
	Process agents; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Review related to the Kigali Amendment to the Montreal Protocol	Decision XXVIII/2, paragraph 5 – Conduct a technology review four or five years before 2028 to consider a compliance deferral of two years from the freeze date of 2028 for Article 5, group 2, parties to address growth above a certain threshold in several sectors ^f	Report on technology review
Periodic assessments			
-	-	-	
Indicative number of expected reports in 2024			3 or 4 ^f

^f In case the review in response to decision XXVIII/2, para. 5, is conducted four years before 2028.

Year	Issue	Request by parties to TEAP	Report to be produced
2025	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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 <i>(only upon submission of nominations)</i>
	Essential-use nominations	Decision IV/25 – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2025 progress report <i>(only upon submission of nominations)</i>
	Process agents; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
Periodic assessment			
-	-	-	-
Indicative number of expected reports in 2025			3

Year	Issue	Request by parties to TEAP	Report to be produced
2026	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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	Decision IV/25 – 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; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Periodic assessments		
	Replenishment study for 2027–2029	Expected decision at the 37th MOP, in 2025, and potential additional guidance by OEWG (48th meeting) in 2026 – 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	Expected decision at the 35th MOP, in 2023 – Prepare the TEAP 2026 quadrennial assessment	TEAP and TOCs 2026 quadrennial assessment reports (6)
HFCs not listed in Annex F of the Montreal Protocol	Decision XXIX/12 – Provide in the quadrennial reports of the assessment panels to be presented to the 35th MOP, in 2023, and every four years thereafter, information on the consumption and production of HFCs not listed in Annex F of the Protocol that have global warming potential no less than the lowest global warming potential of the HFCs listed in Annex F		
HCFC availability	Decision XXX/2 – Provide in its quadrennial reports to be presented to the 35th MOP, in 2023, and to the 39th MOP, in 2027, information on the availability of Annex C, group I, substances, including amounts available from recovery, recycling and reclamation, and best available information on country-level and total known stocks, as well as the availability of alternative options for the applications described in Article 2F, paragraphs 6 (a) and 6 (b)		
Indicative number of expected reports in 2026			11

Year	Issue	Request by parties to TEAP	Report to be produced
2027	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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 (only upon submission of nominations)
	Essential-use nominations	Decision IV/25 – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2027 progress report (only upon submission of nominations)
	Process agents; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Periodic assessments		
	Quadrennial assessment	Expected decision at the 35th MOP, in 2023 – Prepare the assessment panels' synthesis report	2026 quadrennial assessment synthesis report
Review related to the Kigali Amendment to the Montreal Protocol	Decision XXVIII/2, paragraph 4 – Conduct periodic reviews of alternatives to HFCs in 2022 and every five years thereafter, and provide technological and economic assessments of the latest available and emerging alternatives to HFCs (second review)	Report on review of alternatives to HFCs	
Indicative number of expected reports in 2027			5

Year	Issue	Request by parties to TEAP	Report to be produced
2028	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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 Decision XI/17 – Report on any important new developments on an annual basis	2028 progress report
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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	Decision IV/25 – 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; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Periodic assessments		
Review related to the Kigali Amendment to the Montreal Protocol	Decision XXVIII/2, paragraphs 32 and 33 – Periodically assess the suitability of HFC alternatives for use at high ambient temperatures, starting four years from the HFC freeze date and every four years thereafter (first review)	Assessment of high-ambient-temperature HFC alternatives	
Indicative number of expected reports in 2028			4

Year	Issue	Request by parties to TEAP	Report to be produced
2029	Progress updates		
	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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
		Decision XI/17 – Report on any important new developments on an annual basis	
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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 <i>(only upon submission of nominations)</i>
	Essential-use nominations	Decision IV/25 – Review any submitted nominations and make recommendations in accordance with the criteria established in the decision	2029 progress report <i>(only upon submission of nominations)</i>
	Process agents; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
Periodic assessments			
Replenishment study for 2030–2032	Expected decision at the 40th MOP, in 2028, and potential additional guidance by OEWG (51st meeting) in 2029 – 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	
Indicative number of expected reports in 2029			5

Year	Issue	Request by parties to TEAP	Report to be produced
	Progress updates		
2030	Technical progress update by TEAP and its TOCs	Decision IV/13 – 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 Decision XI/17 – Report on any important new developments on an annual basis	2030 progress report
	Thematic reports		
	Critical-use nominations	Decision IX/6 – 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	Decision IV/25 – 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; destruction technologies; laboratory and analytical uses; n-propyl bromide; possible new substances	Review only if the specific conditions set out in decision XXX/15 are met (see para. 6 of the present note)	
	Periodic assessments		
	Quadrennial assessment	Expected decision at the 39th MOP, in 2027 - Prepare the TEAP 2030 quadrennial assessment	
HFCs not listed in Annex F of the Montreal Protocol	Decision XXIX/12 – Provide in the quadrennial reports of the assessment panels to be presented to the 35th MOP, in 2023, and every four years thereafter, information on the consumption and production of HFCs not listed in Annex F of the Protocol that have global warming potential no less than the lowest global warming potential of the HFCs listed in Annex F	TEAP and TOCs 2030 quadrennial assessment reports (6)	
Indicative number of expected reports in 2030			9

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