

**Montreal Protocol
on Substances that
Deplete the Ozone Layer**

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**Thirty-Fifth Meeting of the Parties to
the Montreal Protocol on Substances
that Deplete the Ozone Layer**

Nairobi, 23–27 October 2023
Item 21 of the provisional agenda
for the preparatory segment*

**Compliance and data reporting issues: the work and
recommendations of the Implementation Committee
under the Non-Compliance Procedure for the
Montreal Protocol**

**Implementation Committee under
the Non-Compliance Procedure
for the Montreal Protocol
Seventy-first meeting**

Nairobi, 20 October 2023
Items 3 and 5 of the provisional agenda**

**Presentation by the Secretariat on data and
information submitted under Articles 7 and 9 of the
Montreal Protocol and on related issues**

**Follow-up on previous decisions of the parties and
recommendations of the Implementation Committee on
issues related to non-compliance**

**Information provided by parties in accordance with Articles
7 and 9 of the Montreal Protocol on Substances that Deplete the
Ozone Layer**

Report of the Secretariat

Addendum

I. Introduction

1. The present addendum summarizes the additional information received by the Secretariat as at 13 October 2023, after the preparation of the report on information provided by parties in accordance with Articles 7 and 9 of the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/6–UNEP/OzL.Pro/ImpCom/71/2). The addendum supplements and updates the information in that report.

Table 1
Summary of issues

<i>Issue/subsection</i>	<i>Status</i>
A. Status of compliance with annual and hydrofluorocarbon baseline data reporting requirements (Article 7, paras. 2, 3, 3 bis and 3 ter) for the period 1986–2022	<ul style="list-style-type: none"> Data reporting for 2022: 179 of 198 parties have reported
B. Status of compliance with the control measures for 2022	<ul style="list-style-type: none"> Two additional parties, each consumed two groups of controlled substances in 2022 above the control limits:

* UNEP/OzL.Pro.35/1.

** UNEP/OzL.Pro/ImpCom/71/R.1.

<i>Issue/subsection</i>	<i>Status</i>
	<ul style="list-style-type: none"> ○ The cases from one party relate to situations of possible non-compliance ○ The consumption of the other party was for exempted uses for both substances
C. Reporting of process agent uses for 2022 (decisions X/14, XXI/3, XXXI/6 and XXXII/5)	<ul style="list-style-type: none"> • The one outstanding report for 2022 on process agent uses has been submitted

II. Information provided by parties

A. Status of compliance with annual and hydrofluorocarbon baseline data reporting requirements (Article 7, paras. 2, 3, 3 bis and 3 ter) for the period 1986–2022

2. For 2022, the total number of parties that have submitted their Article 7 data is 179 (138 parties operating under paragraph 1 of Article 5 and 41 not so operating). Of those, 175 parties reported their data by 30 September 2023.

3. The parties that have not yet submitted data for 2022 as required under paragraph 3 of Article 7 are Afghanistan, Angola, Belgium, Bulgaria, Croatia, Democratic People’s Republic of Korea, Djibouti, Ethiopia, Iceland, Kazakhstan, Lao People’s Democratic Republic, Nepal, Portugal, Romania, San Marino, Spain, State of Palestine, Sudan and United Republic of Tanzania.

4. In addition, one party operating under paragraph 1 of Article 5 (Article 5 parties) that has ratified the Kigali Amendment to the Montreal Protocol, namely Eritrea, has not yet submitted baseline data for Annex F substances (HFCs) for the years 2020, 2021 and 2022, as required under paragraph 2 of Article 7 of the Protocol.

B. Status of compliance with the control measures for 2022

5. Table 2 lists the additional cases reported to date of consumption of ozone-depleting substances for 2022 that exceed the prescribed limits, together with explanations or clarifications provided by the Secretariat or by the party, as applicable.

Table 2

Consumption that exceeds the amount permitted by the reduction schedules under the Protocol for 2022 and associated explanations

<i>Party</i>	<i>Annex/ group^a</i>	<i>Consumption in ODP-t</i>			<i>Explanation or comment</i>
		<i>Baseline</i>	<i>2022 limit</i>	<i>2022 consumption</i>	
1. China	B/II	49 142.1	0	104.7	Laboratory and analytical uses.
	E/I	1 102.1	0	7	Laboratory and analytical uses.
2. Israel	C/III	N/A	0	3.9	Clarification pending – some production missing the intended use – after excluding feedstock uses
	E/I	2 148.0	0	76.7	Clarification pending – some production missing the intended use – after excluding feedstock and quarantine and pre shipment uses
3. United Kingdom of Great Britain and Northern Ireland	A/I	102 014.4	0	2.7	Unintentional by product (to be destroyed) – party is yet to confirm that it has the necessary measures in place to prohibit the use of the ozone-depleting substances for any other purpose than those designated in items (a)-(c) of paragraph 2 of decision XXII/20.

Abbreviation: ODP-t – ozone-depleting-potential tons.

^a A/I substances are chlorofluorocarbons; B/II substance is carbon tetrachloride; C/III substance is bromochloromethane; E/I substance is methyl bromide.

C. Reporting of process agent uses for 2022 (decisions X/14, XXI/3, XXXI/6 and XXXII/5)

6. The outstanding report for 2022 on process agent uses has been submitted as summarized in table 3.

Table 3

Review of the information reported on process agent uses in 2022 (only Israel, not listed in the last report, is included)

<i>Party</i>	<i>Emissions have been reported and are within limit</i>	<i>Containment technologies reported</i>	<i>Production or imports for process agent uses reported</i>
Israel	Yes: within limit	Yes	No

7. In addition, a review of 2022 data from China shows that they reported some production for process agent uses, this being a correction to what was reported in document UNEP/OzL.Pro.35/6–UNEP/OzL.Pro/ImpCom/71/2.

Annex I - Production and consumption of controlled substances - comparison of 2022 with baseline: (ODP/CO2-eq tonnes)

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020-2022 + 65% of HCFC baseline. Base for Article 5 parties-Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2022	Base	% Chng	2022	Base	% Chng	Per Cap. Cons.
China - Date Received: 10-Oct-2023 Article 5 Parties ASIA (Population**: 1,409,375)							
AI - Chlorofluorocarbons (CFCs)	-1.5	47,003.9	-100	-1.5	57,818.7	-100	0.0000
AII - Halons	-0.1	40,993.0	-100	-0.1	34,186.7	-100	0.0000
BII - Carbon Tetrachloride (CTC)	104.7	32,479.7	-99.68	104.7	49,142.1	-99.79	0.0001
CI - Hydrochlorofluorocarbons (HCFCs)	15,078.10	29,122.00	-48.22	10,423.54	19,269.00	-45.91	0.0074
EI - Methyl Bromide (MB)	0.2	776.3	-99.97	7.0	1,102.1	-99.36	0.0000
Subtotal - Summation excludes Annex F	15,181.40	150,374.90	-89.90	10,533.64	161,518.60	-93.48	0.0075
F - Hydrofluorocarbons (HFCs)	1,581,393,460	1,852,528,857	-14.64	666,490,182	905,143,633	-26.37	472.8977
Fiji - Date Received: 29-Sep-2023 Article 5 Parties ASIA (Population**: 922)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.81	5.73	-85.86	0.0009
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.81	5.73	-85.86	0.0009
F - Hydrofluorocarbons (HFCs)	0	0	-100	404,476	411,962	-1.82	438.6941
India - Date Received: 25-Sep-2023 Article 5 Parties ASIA (Population**: 1,418,681)							
CI - Hydrochlorofluorocarbons (HCFCs)	942.02	2,399.50	-60.74	342.50	1,608.20	-78.70	0.0002
Subtotal - Summation excludes Annex F	942.02	2,399.50	-60.74	342.50	1,608.20	-78.70	0.0002
F - Hydrofluorocarbons (HFCs)	58,175,796			57,219,531			40.3329
Israel - Date Received: 28-Sep-2023 Non-Article 5 Parties WEUR (Population**: 8,976)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	164.50	-100	1.53	329.00	-99.53	0.0002
CIII - Bromochloromethane (BCM)	3.9			3.9			0.0004
EI - Methyl Bromide (MB)	76.7	16,800.0	-99.54	76.7	2,148.0	-96.43	0.0085
Subtotal - Summation excludes Annex F	80.60	16,964.50	-99.52	82.13	2,477.00	-96.68	0.0091
Liechtenstein - Date Received: 29-Sep-2023 Non-Article 5 Parties WEUR (Population**: 39)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.30	-100	0.00	0.70	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	0.30	-100	0.00	0.70	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	1,055	-100	6,869	12,258	-43.96	176.1282
Marshall Islands - Date Received: 29-Sep-2023 Article 5 Parties ASIA (Population**: 53)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.20	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	6,943	10,824	-35.86	131.0000
Micronesia (Federated States of) - Date Received: 29-Sep-2023 Article 5 Parties ASIA (Population**: 110)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.07	0.20	-65.00	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.07	0.20	-65.00	0.0006
F - Hydrofluorocarbons (HFCs)	0	0	-100	15,017	13,600	10.42	136.5182
New Zealand - Date Received: 11-Oct-2023 Non-Article 5 Parties WEUR (Population**: 4,809)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	28.00	-100	0.00	56.10	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	28.00	-100	0.00	56.10	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	76,343	-100	486,262	1,795,965	-72.92	101.1150
Papua New Guinea - Date Received: 28-Sep-2023 Article 5 Parties ASIA (Population**: 8,737)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.87	3.30	-73.64	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.87	3.30	-73.64	0.0001
F - Hydrofluorocarbons (HFCs)	0			523,271			59.8914
Slovakia - Date Received: 29-Sep-2023 Non-Article 5 Parties EEUR (Population**: 5,431)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	29.10	-100				
Subtotal - Summation excludes Annex F	0.00	29.10	-100				
F - Hydrofluorocarbons (HFCs)	0	45,177	-100				
Sri Lanka - Date Received: 13-Oct-2023 Article 5 Parties ASIA (Population**: 21,283)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	13.90	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	13.90	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0			0			0.0000
Switzerland - Date Received: 11-Oct-2023 Non-Article 5 Parties WEUR (Population**: 8,778)							
All - Halons	0.0	0.0	-100	-57.5	1,050.0	-100	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	65.30	-100	0.00	130.50	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	65.30	-100	-57.50	1,180.50	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	112,283	-100	1,367,500	2,208,655	-38.08	155.7872
Syrian Arab Republic - Date Received: 28-Sep-2023 Article 5 Parties ASIA (Population**: 22,789)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	56.05	135.00	-58.48	0.0025
Subtotal - Summation excludes Annex F	0.00	0.00	-100	56.05	135.00	-58.48	0.0025
F - Hydrofluorocarbons (HFCs)	0	0	-100	12,403,200	18,150,706	-31.67	544.2626

Tonga - Date Received: 28-Sep-2023 Article 5 Parties ASIA (Population**: 113)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,433	7,676	-55.28	30.3805
Ukraine - Date Received: 29-Sep-2023 Non-Article 5 Parties EEUR (Population**: 43,176)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	82.10	-100	0.00	164.20	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	82.10	-100	0.00	164.20	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,755,403			86.9789
Uzbekistan - Date Received: 11-Oct-2023 Non-Article 5 Parties ASIA (Population**: 32,409)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	37.40	-100	0.15	74.70	-99.80	0.0000
Subtotal - Summation excludes Annex F	0.00	37.40	-100	0.15	74.70	-99.80	0.0000
Vanuatu - Date Received: 29-Sep-2023 Article 5 Parties ASIA (Population**: 306)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	17,511	20,482	-14.51	57.2255
Viet Nam - Date Received: 30-Sep-2023 Article 5 Parties ASIA (Population**: 99,833)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	139.02	221.20	-37.15	0.0014
Subtotal - Summation excludes Annex F	0.00	0.00	-100	139.02	221.20	-37.15	0.0014
F - Hydrofluorocarbons (HFCs)	0	0	-100	10,727,081	14,010,724	-23.44	107.4503