

Distr.
GENERAL

UNEP/OzL.Pro.5/7
13 September 1993

ORIGINAL: ENGLISH

FIFTH MEETING OF THE PARTIES
TO THE MONTREAL PROTOCOL ON SUBSTANCES
THAT DEplete THE OZONE LAYER

Bangkok, 22-24 November 1993

FORMATS FOR REPORTING DATA UNDER THE AMENDED
MONTREAL PROTOCOL

Note by the Secretariat

1. The Copenhagen Amendment, approved by the Fourth Meeting of the Parties to the Montreal Protocol, is expected to enter into force shortly. The Amendment listed additional controlled substances and also provided for reporting of import and export of used and recycled substances. Taking into account this Amendment, the formats for data reporting approved by the Third Meeting of the Parties in 1991 have been revised and are communicated herewith to the Parties for their consideration.
2. The revised formats were considered by the Implementation Committee at its sixth meeting, in Geneva on 26 August 1993. The report of the Implementation Committee has been circulated to all Parties as document UNEP/OzL.Pro/ImpCom/6/3. The Fifth Meeting of the Parties to the Montreal Protocol may wish to consider and, as appropriate, approve the revised formats.

Annex

FORMATS FOR REPORTING DATA UNDER THE AMENDED
MONTREAL PROTOCOL

INTRODUCTION SHEET

1. The data formats are for the use of the Parties in reporting data on the production, import and export of each individual substance listed in the annexes of the Montreal Protocol as amended in London and Copenhagen, and as required by Article 7.

2. There are nine forms for reporting the required data:

(a) *Data for the base years for controlling production and consumption:*

- (i) For reporting 1986 data, as required by Article 7, paragraph 1:
Form 1: Annex A substances;
- (ii) For reporting data necessary to calculate base-year consumption under Article 2 F:
Form 2: Annex A, Group I substances;
- (iii) For reporting 1989 data, as required by Article 7, paragraph 2:
Form 3: Annex B substances
Form 4: Annex C substances;
- (iv) For reporting 1991 data, as required by Article 7, paragraph 2:
Form 5: Annex E substance;

(b) *Reporting of data for the year in which the Protocol enters into force for the Party in question and for each year thereafter, in accordance with Article 7, paragraphs 3 and 3 bis, and decision IV/24:*

- Form 6: Annex A substances
- Form 7: Annex B substances
- Form 8: Annex C substances
- Form 9: Annex E substance
- Form 10: Data on imports from and/or exports to non-Parties

3. Parties are requested to report the data in metric tonnes, without multiplying by the relevant ODPs (ozone depleting potentials). The data on each substance should also include isomers.

4. The data reported in accordance with the formats will be used to determine the calculated levels of consumption upon which the control measures are based. It is therefore crucial that data be provided separately for each individual substance listed in the formats.

5. It should be noted that paragraphs 1 and 2 of Article 7 both provide that the Parties should submit the best possible estimates where actual data are not available.

6. In accordance with the recommendation of the Ad Hoc Group of Experts on the Reporting of Data, the Parties are requested to report on the extra production as allowed to meet the basic domestic needs of countries operating under paragraph 1 of Article 5 of the Protocol. The quantity of the production increase and the country to be supplied by this production increase should be reported under "quantity" and "destination". The export figures as well as the production figures reported should include the increased amounts of production for supplying the Parties operating under Article 5, paragraph 1. The allowable increase in production should also be reported as metric tonnes.

7. In accordance with the recommendation of the Ad Hoc Group of Experts on the Reporting of Data, which held its first meeting at Nairobi on 6 and 7 December 1990, Parties having free-trade zones inside their territories should make a special effort to include in their data-reporting production, import and export figures for such zones.

8. In accordance with the recommendations of the Ad Hoc Group of Experts on the Reporting of Data, the quantities of controlled substances used for refilling the refrigeration and fire-extinguishing systems of ships in ports should be regarded as forming part of consumption of the country with jurisdiction over the port and should therefore *not* be included in its export figures.

9. With regard to the data on "amounts destroyed", the Parties, approved, at their Fourth Meeting, destruction processes and regulatory standards for the destruction facilities. The amounts destroyed should be calculated on the basis of the destruction efficiency of the facility employed (see decision IV/11).

10. Amounts used as feedstocks, e.g. amounts of carbon tetrachloride used as feedstock in the production of CFC 11 and 12, should be reported. They are to be subtracted from total production (see definition of "production" below).

11. The word "used" in data formats 6, 7, 8 and 9 is for substances recovered from machinery, equipment, containment vessels, etc. which is imported or exported for the purpose of reclamation and recycling, reclamation and trade or destruction (see decision IV/24, paragraph 3, for further clarification). "New" means newly produced substances.

12. The amounts recycled or reused are not to be regarded as production (see definition of "production" below).

13. Data form 10 is intended for reporting imports from and/or exports to non-Parties.

DEFINITIONS

1. "Production" means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the Parties and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as "production" (Article 1, paragraph 5 of the amended Protocol).

2. "Consumption" means production plus imports minus exports of controlled substances (Article 1, paragraph 6, of the Amended Protocol). The imports and exports of recycled and used controlled substances will not be taken into account for calculating consumption (except when calculating the base year consumption under paragraph 1 of Article 5 of the Protocol). (See decision IV/24, paragraph 2, of the Fourth Meeting of the Parties to the Montreal Protocol).

3. "Calculated levels" of production, imports, exports and consumption mean levels determined in accordance with Article 3 (Article 1, paragraph 7, of the amended Protocol).

4. Methyl chloroform is 1,1,1-trichloroethane and does not include 1,1,2-trichloroethane.

Ref: Data form 1

Reporting of data under Article 7, paragraph 1

1986 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF CFCs AND HALONS
CONTROLLED BY THE AMENDED MONTREAL PROTOCOL
(metric tonnes)

Country: _____

Annex A substances

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
GROUP I			
CFC1 ₃ (CFC-11)			
CF ₂ C1 ₂ (CFC-12)			
C ₂ F ₃ C1 ₃ (CFC-113)			
C ₂ F ₄ C1 ₂ (CFC-114)			
C ₂ F ₅ C1 (CFC-115)			
TOTAL FOR GROUP I			
GROUP II			
CF ₂ BrC1 (HALON 1211)			
CF ₃ Br (HALON 1301)			
C ₂ F ₄ Br ₂ (HALON 2402)			
TOTAL FOR GROUP II			

Notes:

1. Please report the data by weight and not multiplied by ODP.
2. Isomers should be included under each substance.

/...

*Reporting of data necessary to calculate base year
consumption under Article 2 F*

1989 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF CFCs
CONTROLLED BY THE AMENDED MONTREAL PROTOCOL
(metric tonnes)

Country: _____

Annex A substances

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
GROUP I			
CFCl ₃ (CFC-11)			
CF ₂ Cl ₂ (CFC-12)			
C ₂ F ₃ Cl ₃ (CFC-113)			
C ₂ F ₄ Cl ₂ (CFC-114)			
C ₂ F ₅ Cl (CFC-115)			
TOTAL FOR GROUP I			

Notes:

1. Please report the data by weight and not multiplied by ODP.
2. Isomers should be included under each substance.

Ref: Data form 3

Reporting of data under Article 7, paragraph 2

1989 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES
CONTROLLED BY THE MONTREAL PROTOCOL
(metric tonnes)

Country: _____

Annex B substances

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
GROUP I			
CF ₃ Cl (CFC-13)			
C ₂ FCl ₅ (CFC-111)			
C ₂ F ₂ Cl ₄ (CFC-112)			
C ₃ FCl ₇ (CFC-211)			
C ₃ F ₂ Cl ₆ (CFC-212)			
C ₃ F ₃ Cl ₅ (CFC-213)			
C ₃ F ₄ Cl ₄ (CFC-214)			
C ₃ F ₅ Cl ₃ (CFC-215)			
C ₃ F ₆ Cl ₂ (CFC-216)			
C ₃ F ₇ Cl (CFC-217)			
TOTAL FOR GROUP I			
GROUP II			
CCl ₄ (carbon tetrachloride)			
GROUP III			
C ₂ H ₃ Cl ₃ * (methyl chloroform, i.e. 1,1,1-trichloroethane)			

Notes:

1. Please report the data by weight and not multiplied by ODP.
2. Isomers should be included under each substance.

*This formula does not refer to 1,1,2-trichloroethane.

Reporting of data under Article 7, paragraph 2

1989 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES
CONTROLLED BY THE AMENDED MONTREAL PROTOCOL
(metric tonnes)

Country: _____

Annex C substances

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
GROUP I			
CHFC1 ₂ (HCFC-21)			
CHF ₂ Cl (HCFC-22)			
CH ₂ FC1 (HCFC-31)			
C ₂ HFC1 ₄ (HCFC-121)			
C ₂ HF ₂ Cl ₃ (HCFC-122)			
C ₂ HF ₃ Cl ₂ (HCFC-123)			
CHCl ₂ CF ₃ (HCFC-123)			
C ₂ HF ₄ Cl (HCFC-124)			
CHFC1CF ₃ (HCFC-124)			
C ₂ H ₂ FC1 ₃ (HCFC-131)			
C ₂ H ₂ F ₂ Cl ₂ (HCFC-132)			
C ₂ H ₂ F ₃ Cl (HCFC-133)			
C ₂ H ₃ FC1 ₂ (HCFC-141)			
CH ₃ CFCl ₂ (HCFC-141b)			
C ₂ H ₃ F ₂ Cl (HCFC-142)			
CH ₃ CF ₂ Cl (HCFC-142b)			
C ₂ H ₄ FC1 (HCFC-151)			
C ₃ HFC1 ₆ (HCFC-221)			
C ₃ HF ₂ Cl ₅ (HCFC-222)			
C ₃ HF ₃ Cl ₄ (HCFC-223)			

Ref: Data form 4 (continued)

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
C ₃ HF ₄ Cl ₃ (HCFC-224)			
C ₃ HF ₅ Cl ₂ (HCFC-225)			
CF ₃ CF ₂ CHCl ₂ (HCFC-225ca)			
CF ₂ ClCF ₂ CHClF (HCFC-225cb)			
C ₃ HF ₆ Cl (HCFC-226)			
C ₃ H ₂ FCl ₅ (HCFC-231)			
C ₃ H ₂ F ₂ Cl ₄ (HCFC-232)			
C ₃ H ₂ F ₃ Cl ₃ (HCFC-233)			
C ₃ H ₂ F ₄ Cl ₂ (HCFC-234)			
C ₃ H ₂ F ₅ Cl (HCFC-235)			
C ₃ H ₃ FCl ₄ (HCFC-241)			
C ₃ H ₃ F ₂ Cl ₃ (HCFC-242)			
C ₃ H ₃ F ₃ Cl ₂ (HCFC-243)			
C ₃ H ₃ F ₄ Cl (HCFC-244)			
C ₃ H ₄ FCl ₃ (HCFC-251)			
C ₃ H ₄ F ₂ Cl ₂ (HCFC-252)			
C ₃ H ₄ F ₃ Cl (HCFC-253)			
C ₃ H ₅ FCl ₂ (HCFC-261)			
C ₃ H ₅ F ₂ Cl (HCFC-262)			
C ₃ H ₆ FCl (HCFC-271)			
<i>Group II</i>			
CH ₂ FBr ₂			
CHF ₂ Br (HBFC-2281)			
CH ₂ FBr			

/...

Ref: Data form 4 (continued)

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
C ₂ HFB _r 4			
C ₂ HF ₂ Br ₃			
C ₂ HF ₃ Br ₂			
C ₂ HF ₄ Br			
C ₂ H ₂ FBr ₃			
C ₂ H ₂ F ₂ Br ₂			
C ₂ H ₂ F ₃ Br			
C ₂ H ₃ FBr ₂			
C ₂ H ₃ F ₂ Br			
C ₂ H ₄ FBr			
C ₃ HFB _r 6			
C ₃ HF ₂ Br ₅			
C ₃ HF ₃ Br ₄			
C ₃ HF ₄ Br ₃			
C ₃ HF ₅ Br ₂			
C ₃ HF ₆ Br			
C ₃ H ₂ FBr ₅			
C ₃ H ₂ F ₂ Br ₄			
C ₃ H ₂ F ₃ Br ₃			
C ₃ H ₂ F ₄ Br ₂			
C ₃ H ₂ F ₅ Br			
C ₃ H ₃ FBr ₄			
C ₃ H ₃ F ₂ Br ₃			
C ₃ H ₃ F ₃ Br ₂			
C ₃ H ₃ F ₄ Br			

/...

Ref: Data form 4 (continued)

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
$C_3H_4FBr_3$			
$C_3H_4F_2Br_2$			
$C_3H_4F_3Br$			
$C_3H_5FBr_2$			
$C_3H_5F_2Br$			
C_3H_6FBr			

Notes:

1. Please report the data by weight and not multiplied by ODP.
2. Isomers should be included under each substance.

Ref: Data form 5

Reporting of data under Article 7, paragraph 2

1991 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES CONTROLLED
BY THE AMENDED MONTREAL PROTOCOL
(metric tonnes)

Country: _____

Annex E substance

SUBSTANCE	PRODUCTION	IMPORTS	EXPORTS	AMOUNTS USED FOR QUARANTINE AND PRE-SHIPMENT APPLICATION
CH ₃ Br METHYL BROMIDE				

C3F4Cl4	(CFC-214)											
C3F5Cl3	(CFC-215)											
C3F6Cl2	(CFC-216)											
C3F7Cl	(CFC-217)											
TOTAL FOR GROUP I												

Notes:

- * For satisfying the basic domestic needs of countries operating under Article 5.1 of the Protocol
 - ** Abbreviation for quantity and destination.
1. Please report the data by weight and not multiplied by ODP.
 2. Isomers should be included under each substance.

Ref: Data form 7 (continued)

Reporting of data under Article 7, paragraph 3 and decision IV/24

DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES
CONTROLLED BY THE AMENDED MONTREAL PROTOCOL
(metric tonnes)

Country: _____

Year: January - December 199 --

Annex B substances

ANNEX B SUBSTANCES	TOTAL PRODUCTION	AMOUNTS DESTROYED	AMOUNTS FOR FEED STOCKS	INCREASED PRODUCTIO N AS FURTHER ALLOWED*		IMPORTS			EXPORTS			
				QUAN**	DEST**	NEW	USED	RECYCLED	NEW	USED	RECYCLED	
GROUP II CCl ₄ (carbon tetrachloride)												
Group III C ₂ H ₃ Cl ₃ *** (methyl chloroform, i.e. 1,1,1-trichloroethane)												

Notes:

- * For satisfying the basic domestic needs of countries operating under Article 5 paragraph 1 of the Protocol.
- ** Abbreviation for quantity and destination.
- *** This formula does not refer to 1,1,2-trichloroethane.

1. Please report the data by weight and not multiplied by ODP.
2. Isomers should be included under each substance.

Report of data under Article 7, paragraph 3 and decision IV/24

DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES
 CONTROLLED BY THE AMENDED MONTREAL PROTOCOL
 (metric tonnes)

Country: _____

Year: January - December 199--

Annex E substance

ANNEX E SUBSTANCE	TOTAL PRODUCTION	AMOUNTS		AMOUNTS FOR FEED STOCK	INCREASED PRODUCTION*		IMPORTS			EXPORTS			
		DESTROYED	QUARANTINE AND PRE- SHIPMENT		QUAN**	DEST**	NEW	USE D	RECYCLED	NEW	USED	RECYCLED	
GROUP 1 CH ₃ Br METHYL BROMIDE													

Notes:

- * For satisfying the basic domestic needs of countries operating under Article 5 of the Montreal Protocol.
 - ** Abbreviation for quantity and destination.
1. Please report the data by weight and not multiplied by ODP.
 2. Isomere should be included under each substance.

Ref: Data form 10

Reporting of data under Article 7, paragraph 3 and 3 bis and decision IV/24

*Data on imports from and/or exports to non-Parties
(metric tonnes)*

Country: _____

Year: January - December 199--

SUBSTANCE	IMPORTS FROM NON-PARTIES			EXPORTS TO NON-PARTIES		
	NEW	USED	RECYCLED	NEW	USED	RECYCLED

Notes:

1. Please report the data by weight and not multiplied by ODP.
2. Isomers should be included under each substance.
