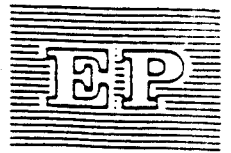




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FOURTH MEETING OF THE PARTIES TO THE
MONTREAL PROTOCOL ON SUBSTANCES
THAT DEplete THE OZONE LAYER

Copenhagen, 23-25 November 1992

REPORT OF THE LEGAL DRAFTING GROUP ON POSSIBLE
ADJUSTMENT AND AMENDMENT OF THE MONTREAL PROTOCOL

(prepared during the eighth meeting of the Open-Ended Working Group)

Introductory note

1. The Legal Drafting Group has adjusted the text of UNEP/OzL.Pro/4/2 to take into account the provisional conclusions of the eighth meeting of the Open-Ended Working Group, bearing in mind that none of the issues involved has yet been finally concluded.
2. In addition, certain proposed adjustments and amendments have been deleted based upon the assumption that decisions relating to the same subject matter will be adopted by the Fourth Meeting of the Parties.

[Annex I

ADJUSTMENTS TO THE MONTREAL PROTOCOL ON SUBSTANCES
THAT DEplete THE OZONE LAYER

The Fourth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer decides, on the basis of the assessments made pursuant to Article 6 of the Protocol, to adopt adjustments and reductions of production and consumption of the controlled substances in Annex A to the Protocol as follows:

Article 2A: CFCs

Paragraphs 3 to 6 of Article 2A of the Protocol shall be replaced by the following paragraphs, which shall be numbered paragraphs 3 and 4 of Article 2A:

3. Each Party shall ensure that for the twelve-month period commencing on 1 January 1994, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex A does not exceed, annually, [twenty-five] per cent of its calculated level of consumption in 1986. Each Party producing one or more of these substances shall, for the same periods, ensure that its calculated level of production of the substances does not exceed, annually, [twenty-five] per cent of its calculated level of production in 1986. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to ten per cent of its calculated level of production in 1986.

4. Each Party shall ensure that for the twelve-month period commencing on 1 January 1996, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex A does not exceed zero. Each Party producing one or more of these substances shall, for the same

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periods, ensure that its calculated level of production of the substances does not exceed zero. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to fifteen per cent of its calculated level of production in 1986. This paragraph will apply save to the extent that the Parties decide to permit the level of production or consumption that is necessary to satisfy uses agreed by them to be essential.

Article 2B: Halons

Paragraphs 2 to 4 of Article 2B of the Protocol shall be replaced by the following paragraph, which shall be numbered paragraph 2 of Article 2B:

2. Each Party shall ensure that for the twelve-month period commencing on 1 January 1994, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group II of Annex A does not exceed zero. Each Party producing one or more of these substances shall, for the same periods, ensure that its calculated level of production of the substances does not exceed zero. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to fifteen per cent of its calculated level of production in 1986. This paragraph will apply save to the extent that the Parties decide to permit the level of production or consumption that is necessary to satisfy uses agreed by them to be essential.]

[Annex II]

ADJUSTMENTS TO THE MONTREAL PROTOCOL ON SUBSTANCES
THAT DEplete THE OZONE LAYER

The Fourth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer decides, on the basis of the assessments made pursuant to Article 6 of the Protocol, to adopt adjustments and reductions of production and consumption of the controlled substances in Annex B to the Protocol as follows:

Article 2C: Other Fully Halogenated CFCs

Article 2C of the Protocol shall be replaced by the following Article:

Article 2C: Other Fully Halogenated CFCs

1. Each Party shall ensure that for the twelve-month period commencing on 1 January 1993, its calculated level of consumption of the controlled substances in Group I of Annex B does not exceed, annually, eighty per cent of its calculated level of consumption in 1989. Each Party producing one or more of these substances shall, for the same period, ensure that its calculated level of production of the substances does not exceed, annually, eighty per cent of its calculated level of production in 1989. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to ten per cent of its calculated level of production in 1989.
2. Each Party shall ensure that for the twelve-month period commencing on 1 January 1994, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex B does not exceed, annually, [twenty-five] per cent of its calculated level of consumption in 1989. Each Party producing one or more of these substances shall, for the same

periods, ensure that its calculated level of production of the substances does not exceed, annually, [twenty-five] per cent of its calculated level of production in 1989. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to ten per cent of its calculated level of production in 1989.

3. Each Party shall ensure that for the twelve-month period commencing on 1 January 1996, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex B does not exceed zero. Each Party producing one or more of these substances shall, for the same periods, ensure that its calculated level of production of the substances does not exceed zero. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to fifteen per cent of its calculated level of production in 1989. This paragraph will apply save to the extent that the Parties decide to permit the level of production or consumption that is necessary to satisfy uses agreed by them to be essential.

Article 2D: Carbon Tetrachloride

Article 2D of the Protocol shall be replaced by the following Article:

Article 2D: Carbon Tetrachloride

1. Each Party shall ensure that for the twelve-month period commencing on 1 January 1995, its calculated level of consumption of the controlled substances in Group II of Annex B does not exceed, annually, fifteen per cent of its calculated level of consumption in 1989. Each Party producing the substance shall, for the same period, ensure that its calculated level of production of the substance does not exceed, annually, fifteen per cent of its calculated level of production in 1989. However, in order to satisfy the basic domestic

needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to ten per cent of its calculated level of production in 1989.

2. Each Party shall ensure that for the twelve-month period commencing on 1 January 1996, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substance in Group II of Annex B does not exceed zero. Each Party producing the substance shall, for the same periods, ensure that its calculated level of production of the substance does not exceed zero. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to fifteen per cent of its calculated level of production in 1989. This paragraph will apply save to the extent that the Parties decide to permit the level of production or consumption that is necessary to satisfy uses agreed by them to be essential.

Article 2E: 1, 1, 1- Trichloroethane (Methyl Chloroform)

Article 2E of the Protocol shall be replaced by the following Article:

Article 2E: 1, 1, 1- Trichloroethane (Methyl Chloroform)

1. Each Party shall ensure that for the twelve-month period commencing on 1 January 1993, its calculated level of consumption of the controlled substance in Group III of Annex B does not exceed, annually, its calculated level of consumption in 1989. Each Party producing the substance shall, for the same period, ensure that its calculated level of production of the substance does not exceed, annually, its calculated level of production in 1989. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to ten per cent of its calculated level of production in 1989.

2. Each Party shall ensure that for the twelve-month period commencing on 1 January 1994, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substance in Group III of Annex B does not exceed, annually, fifty per cent of its calculated level of consumption in 1989. Each Party producing the substance shall, for the same periods, ensure that its calculated level of production of the substance does not exceed, annually, fifty per cent of its calculated level of production in 1989. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to ten per cent of its calculated level of production in 1989.

3. Each Party shall ensure that for the twelve-month period commencing on 1 January 1996, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substance in Group III of Annex B does not exceed zero. Each Party producing the substance shall, for the same periods, ensure that its calculated level of production of the substance does not exceed zero. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to fifteen per cent of its calculated level of production for 1989. This paragraph will apply save to the extent that the Parties decide to permit the level of production or consumption that is necessary to satisfy uses agreed by them to be essential.]

Annex III

AMENDMENT TO THE MONTREAL PROTOCOL ON SUBSTANCES
THAT DEplete THE OZONE LAYER

ARTICLE 1: AMENDMENT

Article 1, paragraph 4

In paragraph 4 of Article 1 of the Protocol, for the words:

or in Annex B

there shall be substituted:

, Annex B, Annex C [or Annex E]

Article 1, paragraph 9

Paragraph 9 of Article 1 of the Protocol shall be deleted.

[Article 2, paragraph 5

In paragraph 5 of Article 2 of the Protocol, after the words:

Articles 2A to 2E

there shall be added:

and Article 2H]

Article 2, paragraph 5 bis

The following paragraph shall be inserted after paragraph 5 of Article 2 of the Protocol:

5 bis. Any Party not operating under paragraph 1 of Article 5 may, for one or more control periods, transfer to another such Party any portion of its calculated level of consumption set out in Article 2F, provided that the calculated level of consumption of controlled substances in Group I of Annex A of the Party transferring the portion of its calculated level of consumption did not exceed 0.25 kilograms per capita in 1989 and that the total combined calculated levels of consumption of the Parties concerned do not exceed the consumption limits set out in Article 2F. Such transfer of consumption shall be notified to the Secretariat by each of the Parties concerned, stating the terms of such transfer and the period for which it is to apply.

Article 2, paragraphs 8 (a) and 11

In paragraphs 8 (a) and 11 of Article 2 of the Protocol, for the words:

Articles 2A to 2E

there shall be substituted each time they occur:

? Articles 2A to 2[H]

Article 2. paragraph 9(a)(i)

In paragraph 9(a)(i) of Article 2 of the Protocol, for the words:

and/or Annex B

there shall be substituted:

, Annex B, Annex C [and/or Annex E]

Article 2F: Hydrochlorofluorocarbons

The following Article shall be inserted after Article 2E of the Protocol:

Article 2F: Hydrochlorofluorocarbons

1. Each Party shall ensure that for the twelve-month period commencing on 1 January 1996, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex C does not exceed, annually, the sum of:

(a) [2.5-3.5] per cent of its calculated level of consumption in 1989 of the controlled substances in Group I of Annex A; and

(b) Its calculated level of consumption in 1989 of the controlled substances in Group I of Annex C.

2. Each Party shall ensure that for the twelve-month period commencing on 1 January [2003], and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex C does not exceed, annually, [sixty-five] per cent of the sum referred to in paragraph 1 of this Article.

3. Each Party shall ensure that for the twelve-month period commencing on 1 January [2010], and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex C does not exceed, annually, [thirty-five] per cent of the sum referred to in paragraph 1 of this Article.

[3 bis. Each Party shall ensure that for the twelve-month period commencing on 1 January [2015] [2020], and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex C does not exceed, annually, two per cent of the sum referred to in paragraph 1 of this Article.]

4. Each Party shall ensure that for the twelve-month period commencing on 1 January [2015] [2020] [2030], and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group I of Annex C does not exceed zero. [This paragraph will apply save to the extent that the Parties decide to permit the level of consumption that is necessary to satisfy uses agreed by them to be essential.]

[5. As of 1 January 1996, each Party shall [endeavour to] ensure that:

(a) The use of controlled substances in Group I of Annex C is limited to those applications where other more environmentally suitable alternative substances or technologies are not available;

(b) The use of controlled substances in Group I of Annex C is not outside the areas of application currently met by controlled substances in Annexes A, B and C, except in rare cases for the protection of human life or human health; and

(c) Controlled substances in Group I of Annex C are selected for use in a manner that minimizes ozone depletion, in addition to meeting other environmental, safety and economic considerations.]

Article 2G: Hydrobromofluorocarbons

The following Article shall be inserted after Article 2F of the Protocol:

Article 2G: Hydrobromofluorocarbons

Each Party shall ensure that for the twelve-month period commencing on 1 January 1996, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substances in Group II of Annex C does not exceed zero. Each Party producing the substances shall, for the same periods, ensure that its calculated level of production of the substances does not exceed zero. This paragraph will apply save to the extent that the Parties decide to permit the level of production or consumption that is necessary to satisfy uses agreed by them to be essential.

[Article 2H: Methyl Bromide

The following Article shall be inserted after Article 2G of the Protocol:

Article 2H: Methyl Bromide

[1. Each Party shall ensure that for the twelve-month period commencing on 1 January 1995, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substance in Annex E does not exceed, annually, its calculated level of consumption in 1991. Each Party producing the substance shall, for the same periods, ensure that its calculated level of production of the substance does not exceed, annually, its calculated level of production in 1991. However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of consumption may exceed that limit by up to ten per cent of its calculated level of consumption in 1991.]

[2. [Each Party shall ensure that for the twelve-month period commencing on 1 January 2000, and in each twelve-month period thereafter, its calculated level of consumption of the controlled substance in Annex E does not exceed, annually,[the sum of:

(a)] Its calculated level of consumption of the controlled substance in Annex E used for quarantine and pre-shipment applications in 1991[; and

(b) [Seventy-five] [zero] per cent of its calculated level of consumption of the controlled substance in Annex E used for applications other than quarantine or pre-shipment in 1991].]

[Each Party producing the substance shall, for the same periods, ensure that its calculated level of production of the controlled substance in Annex E does not exceed, annually,[the sum of:

(a)] Its calculated level of production of the controlled substance in Annex E used for quarantine and pre-shipment applications in 1991[; and

(b) [Seventy-five] [zero] per cent of its calculated level of production of the controlled substance in Annex E used for applications other than quarantine or pre-shipment in 1991].

However, in order to satisfy the basic domestic needs of the Parties operating under paragraph 1 of Article 5, its calculated level of production may exceed that limit by up to [ten] [fifteen] per cent of its calculated level of production in 1991.]]

Article 3

In Article 3 of the Protocol, for the words:

2A to 2E

there shall be substituted:

2A to 2[H]

and for the words

or Annex B

there shall be substituted each time they occur:

, Annex B, Annex C [or Annex E]

Article 4, paragraph 1 ter

The following paragraph shall be inserted after paragraph 1 bis of Article 4 of the Protocol:

Within one year of the date of entry into force of this paragraph, each Party shall ban the import of any controlled substances in Group II of Annex C from any State not party to this Protocol.

Article 4, paragraph 2 ter

The following paragraph shall be inserted after paragraph 2 bis of Article 4 of the Protocol:

Commencing one year after the date of entry into force of this paragraph, each Party shall ban the export of any controlled substances in Group II of Annex C to any State not party to this Protocol.

Article 4, paragraph 3 ter

The following paragraph shall be inserted after paragraph 3 bis of Article 4 of the Protocol:

Within three years of the date of entry into force of this paragraph, the Parties shall, following the procedures in Article 10 of the Convention, elaborate in an annex a list of products containing controlled substances in Group II of Annex C. Parties that have not objected to the annex in accordance with those procedures shall ban, within one year of the annex having become effective, the import of those products from any State not party to this Protocol.

Article 4, paragraph 4 ter

The following paragraph shall be inserted after paragraph 4 bis of Article 4 of the Protocol:

Within five years of the date of entry into force of this paragraph, the Parties shall determine feasibility of banning or restricting, from States not party to this Protocol, the import of products produced with, but not containing, controlled substances in Group II of Annex C. If determined feasible, the Parties shall, following the procedures in Article 10 of the Convention, elaborate in an annex a list of such products. Parties that have not objected to the annex in accordance with those procedures shall ban or restrict, within one year of the annex having become effective, the import of those products from any State not party to this Protocol.

Article 4, paragraphs 5, 6 and 7

In paragraphs 5, 6 and 7 of Article 4 of the Protocol, for the words:

controlled substances

there shall be substituted:

controlled substances in Annexes A and B and Group II of Annex C

Article 4, paragraph 8

In paragraph 8 of Article 4 of the Protocol, for the words:

referred to in paragraphs 1, 1 bis, 3, 3 bis, 4 and 4 bis and exports referred to in paragraphs 2 and 2 bis

there shall be substituted:

and exports referred to in paragraphs 1 to 4 ter of this Article

and after the words:

Articles 2A to 2E

there shall be added:

, Article 2G

Article 4, paragraph 10

The following paragraph shall be inserted after paragraph 9 of Article 4 of the Protocol:

10. By 1 January 1996, the Parties shall consider whether to amend this Protocol in order to extend the measures in this Article to trade in controlled substances in Group I of Annex C [and in Annex E] with States not party to the Protocol.

[Article 5, paragraph 1

The following words shall be added at the end of paragraph 1 of Article 5 of the Protocol:

, provided that any further measures or amendments on the basis of the Amendment adopted at the Second Meeting of the Parties in London, 29 June 1990, shall not apply to the Parties operating under this paragraph until after the review provided for in paragraph 8 of this Article has taken place and shall be based on the conclusions of that review.]

Article 5, paragraph 1

The following sentence shall be added at the end of paragraph 1 of Article 5 of the Protocol:

The Parties shall, taking into account the review referred to in paragraph 8 of this Article, the assessments made pursuant to Article 6 and any other relevant information, decide by 1 January 1996, through the procedure set forth in paragraph 9 of Article 2:

(a) With respect to paragraphs 1 to 4 of Article 2F, what base year, initial levels, control schedules and phase-out date for consumption of the controlled substances in Group I of Annex C will apply to Parties operating under this paragraph;

(b) With respect to Article 2G, what phase-out date for production and consumption of the controlled substances in Group II of Annex C will apply to Parties operating under this paragraph[; and

(c) With respect to Article 2H, what base year, initial levels and control schedules for consumption and production of the controlled substances in Annex E will apply to Parties operating under this paragraph].

Article 5, paragraph 4

In paragraph 4 of Article 5 of the Protocol, for the words:

Articles 2A to 2E

there shall be substituted:

Articles 2A to 2[H]

Article 5, paragraph 5

In paragraph 5 of Article 5 of the Protocol, after the words:

set out in Articles 2A to 2E

there shall be added:

, and any control measures in Articles 2F to 2[H] that are decided pursuant to paragraph 1 of this Article,

Article 5, paragraph 6

In paragraph 6 of Article 5 of the Protocol, after the words:

obligations laid down in Articles 2A to 2E

there shall be added:

, or any or all obligations in Articles 2F to 2[H] that are decided pursuant to paragraph 1 of this Article,

[Article 5, paragraph 8

In paragraph 8 of Article 5 of the Protocol, for the words:

A Meeting of the Parties shall review not later than 1995

there shall be substituted:

The Meeting of the Parties shall, at its [Sixth or] Seventh Meeting but not later than 1995, review

and for the words:

and adopt such revisions that may be deemed necessary regarding the schedule of control measures applicable to those Parties

there shall be substituted:

and adopt such revisions, based on the schedule of control measures adopted at the Second Meeting of the Parties, as may be deemed

/...

necessary regarding that schedule in its application to the Parties operating under paragraph 1 of this Article.]

[Article 5 bis: Special Situation of Certain Countries

The following Article shall be added to the Protocol as Article 5 bis:

Article 5 bis: Special Situation of Certain Countries

The Parties, having considered a written request from a Party not operating under paragraph 1 of Article 5, may exempt, as they deem it necessary, the Party concerned from any of the provisions of the Protocol.]

Article 6

The following words shall be deleted from Article 6 of the Protocol:

Articles 2A to 2E, and the situation regarding production, imports and exports of the transitional substances in Group I of Annex C

and replaced by

Articles 2A to 2[H]

Article 7, paragraphs 2 and 3

Paragraphs 2 and 3 of Article 7 of the Protocol shall be replaced by the following:

2. Each Party shall provide to the Secretariat statistical data on its production, imports and exports of each of the controlled substances

[-] in Annexes B and C, for the year 1989;

[- in Annex E, specifying the amounts used by it for quarantine and pre-shipment applications, for the year 1991]

or the best possible estimates of such data where actual data are not available, not later than three months after the date when the provisions set out in the Protocol with regard to the substances in Annexes B, C [and E] respectively enter into force for that Party.

3. Each Party shall provide to the Secretariat statistical data on its annual production (as defined in paragraph 5 of Article 1) of each of the controlled substances listed in Annexes A, B, C [and E] and, separately, for each substance,

- Amounts used for feedstocks,
- Amounts destroyed by technologies approved by the Parties, and
- Imports from and exports to Parties and non-Parties respectively,

for the year during which provisions concerning the substances in Annexes A B, C [and E] respectively entered into force for that Party and for each year thereafter. Data shall be forwarded not later than nine months after the end of the year to which the data relate.

Article 7, paragraph 5

The following paragraph shall be inserted after paragraph 4 of Article 7 of the Protocol:

5. Each Party shall provide to the Secretariat separate statistical data of its annual imports and exports of each of the controlled substances listed in Group II of Annex A and Group I of Annex C that have been recycled.

Article 9, paragraph 1 (a)

The following words shall be deleted from paragraph 1 (a) of Article 9 of the Protocol:

and transitional

Article 10, paragraph 1

In paragraph 1 of Article 10 of the Protocol, after the words:

Articles 2A to 2E

there shall be added:

, and any control measures in Articles 2F to 2[H] that are decided pursuant to paragraph 1 of this Article,

Article 11, paragraph 4 (g)

The following words shall be deleted from paragraph 4 (g) of Article 11 of the Protocol:

and the situation regarding transitional substances

Article 17

In Article 17 of the Protocol, for the words:

Articles 2A to 2E

there shall be substituted:

Articles 2A to 2[H]

Annexes

Annex C

The following Annex shall replace Annex C of the Protocol:

Annex C

Controlled substances

<u>Group</u>	<u>Substance</u>	<u>Number of Isomers</u>	<u>Ozone Depleting Potential*</u>	
<u>Group I</u>				
	CHFCl ₂	(HCFC-21)**	1	0.04
	CHF ₂ Cl	(HCFC-22)**	1	0.055
	CH ₂ FCl	(HCFC-31)	1	0.02
	C ₂ HFC1 ₄	(HCFC-121)	2	0.01 - 0.04
	C ₂ HF ₂ Cl ₃	(HCFC-122)	3	0.02 - 0.08
	C ₂ HF ₃ Cl ₂	(HCFC-123)	3	0.02 - 0.06
	CHCl ₂ CF ₃	(HCFC-123)**	-	0.02
	C ₂ HF ₄ Cl	(HCFC-124)	2	0.02 - 0.04
	CHFClCF ₃	(HCFC-124)**	-	0.022
	C ₂ H ₂ FC1 ₃	(HCFC-131)	3	0.007 - 0.05
	C ₂ H ₂ F ₂ Cl ₂	(HCFC-132)	4	0.008 - 0.05
	C ₂ H ₂ F ₃ Cl	(HCFC-133)	3	0.02 - 0.06
	C ₂ H ₃ FC1 ₂	(HCFC-141)	3	0.005 - 0.07
	CH ₃ CFC1 ₂	(HCFC-141b)**	-	0.11
	C ₂ H ₃ F ₂ Cl	(HCFC-142)	3	0.008 - 0.07
	CH ₃ CF ₂ Cl	(HCFC-142b)**	-	0.065
	C ₂ H ₄ FC1	(HCFC-151)	2	0.003 - 0.005
	C ₃ HFC1 ₆	(HCFC-221)	5	0.015 - 0.07
	C ₃ HF ₂ Cl ₅	(HCFC-222)	9	0.01 - 0.09
	C ₃ HF ₃ Cl ₄	(HCFC-223)	12	0.01 - 0.08
	C ₃ HF ₄ Cl ₃	(HCFC-224)	12	0.01 - 0.09
	C ₃ HF ₅ Cl ₂	(HCFC-225)	9	0.02 - 0.07
	CF ₃ CF ₂ CHCl	(HCFC-225ca)**	-	0.025
	CF ₂ ClCF ₂ CHClF	(HCFC-225cb)**	-	0.033
	C ₃ HF ₆ Cl	(HCFC-226)	5	0.02 - 0.10
	C ₃ H ₂ FC1 ₅	(HCFC-231)	9	0.05 - 0.09
	C ₃ H ₂ F ₂ Cl ₄	(HCFC-232)	16	0.008 - 0.10
	C ₃ H ₂ F ₃ Cl ₃	(HCFC-233)	18	0.007 - 0.23
	C ₃ H ₂ F ₄ Cl ₂	(HCFC-234)	16	0.01 - 0.28
	C ₃ H ₂ F ₅ Cl	(HCFC-235)	9	0.03 - 0.52
	C ₃ H ₃ FC1 ₄	(HCFC-241)	12	0.004 - 0.09
	C ₃ H ₃ F ₂ Cl ₃	(HCFC-242)	18	0.005 - 0.13
	C ₃ H ₃ F ₃ Cl ₂	(HCFC-243)	18	0.007 - 0.12
	C ₃ H ₃ F ₄ Cl	(HCFC-244)	12	0.009 - 0.14
	C ₃ H ₄ FC1 ₃	(HCFC-251)	12	0.001 - 0.01
	C ₃ H ₄ F ₂ Cl ₂	(HCFC-252)	16	0.005 - 0.04
	C ₃ H ₄ F ₃ Cl	(HCFC-253)	12	0.003 - 0.03
	C ₃ H ₅ FC1 ₂	(HCFC-261)	9	0.002 - 0.02
	C ₃ H ₅ F ₂ Cl	(HCFC-262)	9	0.002 - 0.02
	C ₃ H ₆ FC1	(HCFC-271)	5	0.001 - 0.03

* Where a range of ODPs is indicated, the highest value in that range shall be used for the purposes of the Protocol. The ODPs listed as a single value have been determined from calculations based on laboratory measurements. Those listed as a range are based on estimates and are less certain. The range pertains to an isomeric group. The upper value is the estimate of the ODP of the isomer with the highest ODP, and the lower value is the estimate of the ODP of the isomer with the lowest ODP.

** Identifies the most commercially viable substances with ODP values listed against them to be used for the purposes of the Protocol.

Annex (continued)

<u>Group</u>	<u>Substance</u>	<u>Number of Isomers</u>	<u>Ozone Depleting Potential*</u>
<u>Group II</u>			
CH ₂ FBr ₂	(HBFC-22B1)	1	1.00
CHF ₂ Br		1	0.74
CH ₂ FBr		1	0.73
C ₂ HFBr ₄		2	0.3 - 0.8
C ₂ HF ₂ Br ₃		3	0.5 - 1.8
C ₂ HF ₃ Br ₂		3	0.4 - 1.6
C ₂ HF ₄ Br		2	0.7 - 1.2
C ₂ H ₂ FBr ₃		3	0.1 - 1.1
C ₂ H ₂ F ₂ Br ₂		4	0.2 - 1.5
C ₂ H ₂ F ₃ Br		3	0.7 - 1.6
C ₂ H ₃ FBr ₂		3	0.1 - 1.7
C ₂ H ₃ F ₂ Br		3	0.2 - 1.1
C ₂ H ₄ FBr		2	0.07- 0.1
C ₃ HFBr ₆		5	0.3 - 1.5
C ₃ HF ₂ Br ₅		9	0.2 - 1.9
C ₃ HF ₃ Br ₄		12	0.3 - 1.8
C ₃ HF ₄ Br ₃		12	0.5 - 2.2
C ₃ HF ₅ Br ₂		9	0.9 - 2.0
C ₃ HF ₆ Br		5	0.7 - 3.3
C ₃ H ₂ FBr ₅		9	0.1 - 1.9
C ₃ H ₂ F ₂ Br ₄		16	0.2 - 2.1
C ₃ H ₂ F ₃ Br ₃		18	0.2 - 5.6
C ₃ H ₂ F ₄ Br ₂		16	0.3 - 7.5
C ₃ H ₂ F ₅ Br		8	0.9 - 14
C ₃ H ₃ FBr ₄		12	0.08- 1.9
C ₃ H ₃ F ₂ Br ₃		18	0.1 - 3.1
C ₃ H ₃ F ₃ Br ₂		18	0.1 - 2.5
C ₃ H ₃ F ₄ Br		12	0.3 - 4.4
C ₃ H ₄ FBr ₃		12	0.03- 0.3
C ₃ H ₄ F ₂ Br ₂		16	0.1 - 1.0
C ₃ H ₄ F ₃ Br		12	0.07- 0.8
C ₃ H ₅ FBr ₂		9	0.04- 0.4
C ₃ H ₅ F ₂ Br		9	0.07- 0.8
C ₃ H ₆ FBr		5	0.02- 0.7

* Where a range of ODPs is indicated, the highest value in that range shall be used for the purposes of the Protocol. The ODPs listed as a single value have been determined from calculations based on laboratory measurements. Those listed as a range are based on estimates and are less certain. The range pertains to an isomeric group. The upper value is the estimate of the ODP of the isomer with the highest ODP, and the lower value is the estimate of the ODP of the isomer with the lowest ODP.

[Annex E

The following annex shall be added to the Protocol:

Annex E

Controlled substances

<u>Group</u>	<u>Substance</u>	<u>Ozone-Depleting Potential</u>
<u>Group I</u>		
CH ₃ Br	methyl bromide	0.7]

ARTICLE 2: RELATIONSHIP TO THE 1990 AMENDMENT

No State or regional economic integration organization may deposit an instrument of ratification, acceptance, approval or accession to this Amendment unless it has previously, or simultaneously, deposited such an instrument to the Amendment adopted at the Second Meeting of the Parties in London, 29 June 1990.

ARTICLE 3: ENTRY INTO FORCE

1. This Amendment shall enter into force on 1 January 1994, provided that at least twenty instruments of ratification, acceptance or approval of the Amendment have been deposited by States or regional economic integration organizations that are Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. In the event that this condition has not been fulfilled by that date, the Amendment shall enter into force on the ninetieth day following the date on which it has been fulfilled.
2. For the purposes of paragraph 1, any such instrument deposited by a regional economic integration organization shall not be counted as additional to those deposited by member States of such organization.
3. After the entry into force of this Amendment, as provided under paragraph 1, it shall enter into force for any other Party to the Protocol on the ninetieth day following the date of deposit of its instrument of ratification, acceptance or approval.
