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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Thirty-fourth Meeting  
Montreal, 18-20 July 2001

**PRODUCTION SECTOR**

## Updated Inventory of the Remaining ODS Producers in Article 5 Countries

1. This document is prepared in response to Decision 33/57 which requested an update of the inventory of the remaining ODS producers in Article 5 countries. The update includes the data from Mexico which was not available in the previous document however, the CTC data from India is still not received.
2. The update, while keeping the main items in the earlier format, provides information on national production baseline and latest reported production data where applicable, with a view of assessing the prospects of the implementation of the freeze obligation under the Montreal Protocol by each producing country.
3. Data used in the update is sourced from the report of the Ozone Secretariat updated as of June 2001, and from data submitted by countries concerned in response to a questionnaire sent by the Fund Secretariat in April 2000. The data is grouped by chemical(s) as follows:
  - CFC and halon production in ODS-producing Article 5 countries (Table 1).
  - Methyl bromide production in ODS-producing Article 5 countries (Table 2).
  - CTC and TCA production in ODS-producing Article 5 countries (Table 3).

### Prospects of implementing freeze compliance

4. **CFCs:** Based on their 1999 data, the 7 ODS-producing countries as a group perform reasonably well in implementing their freeze obligations for CFCs production, except for Argentina whose 1999 data shows an increase beyond their baseline by 355.7 ODP tonnes.
5. **Halons:** Based on the 1999 data, the 2 halon-producing countries are performing well in terms of implementing freeze compliance.
6. **Methyl bromide:** There are two producing countries in this group. China's 1999 data shows higher production and consumption over the baseline data however, the country has not ratified the Copenhagen Amendment as of today. The other producing country, Romania was reducing its production and consumption of methyl bromide in 1999 and should be able to comply with the freeze in 2002 if the current pattern continues. The country has submitted to the 34th Meeting a project to phase out the controlled uses of methyl bromide.
7. **CTC:** The analysis covers CTC used as a controlled substance under the Montreal Protocol and therefore excludes CTC production which is consumed as feedstock. The baseline, which is the average of production of 1998-2000, is not available as yet and the 1999 data from the report of the Ozone Secretariat is provided in Table 3.
8. China reported 1999 CTC production as zero and 1998 production at 35,090 ODP tonnes. China has submitted the preliminary data of its 12 CTC producing plants, and a draft sector plan which were distributed to Sub-group members in July 2000. The Secretariat has been working

with China to agree on the scope of CTC production eligible for funding before proceeding with the technical audit of its CTC producing plants.

9. India has not responded to the questionnaire distributed by the Secretariat in April 2000 to survey its remaining ODS producers.

10. **TCA:** The baseline for TCA is based on the average production of 1998-2000, and the freeze is January 2003. China has submitted preliminary data and a draft sector plan for phasing out the TCA production. A technical audit will be conducted to cover both TCA and CTC.

11. In the case of India, no data has been received.

**Table 1: CFC and Halon Production in ODS-Producing Article 5 Countries ( in ODP/Tonnes)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Country	Chemical	Baseline 95-97	1999 data	Freeze compliance	No of plants	Ownership	Planned phaseout	Status of funding
Argentina	CFC	2,745.3	3,101.0	-355.7	1	100% N		Project prepared and to be cleared by Government
China	CFC	47,003.9	44,739.4	2,264.5	10	100% N	2,010	Agreement signed & under implementation
	Halon	40,993.0	22,732.0	18,261.0		100% N	2006 for halon1211, 2010 for halon1301	Agreement signed & under implementation
India	CFC	22,632.4	22,498.6	133.8	4	100% N	2,010	Agreement signed & under implementation
	Halon	288.8	0.0	288.8	2	100% N		Project prepared and under negotiation
Korea, DPR	CFC	403.3	106.0	297.3	1	100%N		Technical audit to be cleared by Government
Mexico	CFC	11,042.3	5,530.0	5,512.3	1	51% N	Draft sector plan under preparation	Action to be initiated by Government
Romania	CFC	7.3	0.0	7.3	1	100% N	NR	Action to be initiated by Government
Venezuela	CFC	4,786.9	2,859.1	1,927.8	1	50% N	2005-08	Action to be initiated by Government
<b>Total of the group</b>	Halon	41,281.8	22,732.0	18,549.8				
	CFC	88,621.4	78,834.1	9,787.3				

Notes: (5) is an assessment of the status of achieving the CFC/halon freeze, which is derived from (3) - (4).

Sources of data: Report of the Ozone Secretariat (June 2001), country response to questionnaire.

**Table 2: Methyl Bromide Production in ODS-Producing Article 5 Countries ( in ODP/Tonnes)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Country	Chemical	Baseline 95-98	1999 data	Freeze compliance 2002	20% 2005	No. of plants	Ownership	Planned phaseout	Status of funding
China	Methyl bromide	776.3	876.0	-99.7	155.3	NR	NR	NR	Not ratified Copenhagen Amendment
Romania	Methyl bromide	18.3	13.2	5.1	3.7	1	100% N	NR	Action to be initiated by Government

**Table 3: CTC and TCA Production in ODS-Producing Article 5 Countries ( in ODP/Tonnes)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country	Chemical	Baseline 98-00	1999 data	2003	2005	2010	No. of plants	Ownership	Planned phaseout	Status of funding
China	CTC**	N/A	0*	N/A	85% reduction	0	12	100% N	NR	Clarifying production eligible for funding
	TCA	N/A	122.5	Freeze due	30% reduction	70% reduction	3	100% N	NR	Clarifying production eligible for funding
India	CTC**	N/A	15,896.9*	N/A	85% reduction	0	NR	NR	NR	Data to be submitted by Government
	TCA	N/A	0.0	Freeze due	30% reduction	70% reduction	NR	NR	NR	Data to be submitted by Government

Notes: Data is sourced from report of Ozone Secretariat as of June 2001 and response from countries to a questionnaire sent by Secretariat.

\* Data could include CTC used as feedstock which is not controlled under the Montreal Protocol.

\*\* Refers to CTC used as a controlled substance under the Montreal Protocol.

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