



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL  
ENVIRONMENT  
Directorate C - Air and Chemicals  
**Unit C2 - Climate Change, Ozone & Energy**

**REGULATION (EC) No 2037/2000 OF THE EUROPEAN PARLIAMENT AND OF THE  
COUNCIL ON SUBSTANCES THAT DEplete THE OZONE LAYER**

**GUIDANCE REPORTING FORM**

**CHAPTER II: PHASE OUT SCHEDULE**

**ARTICLE 4(4)(iv): USE OF HALON FOR CRITICAL USES**

Member State: \_\_\_\_\_  
Name: \_\_\_\_\_  
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\_\_\_\_\_

**General Instructions**

This Guidance Reporting Form should be used as a guide for your answers. The specific Articles of the legislation relevant to this Form are contained in Appendix 1 of this Form.

A single line of an exemption in Annex VII of (EC) No 2037/2000 often contains several critical use applications. To facilitate reporting, each critical use application has been listed in Table 1. You may wish to send copies of the forms to each organisation that is able to provide you with answers to one or more critical use exemptions identified in Table 1.

Please quantify your answers where ever possible e.g., percent, kg, number. Where legislation or a programme is mentioned, please state national code for the legislation.

Attach supplementary information where relevant, but summarise the key parts of the supplementary information into the relevant part(s) of the Form.

For reporting the 2004 data, the Guidance Form should be completed and returned **no later than 31 March 2005**.

Please indicate when you submitted the last report and for which year: \_\_\_\_\_

**TABLE 1: SUMMARY OF USES OF HALON FOR CRITICAL USES**

1 No.	2 ID	3 Annex VII Exemption (See coded list in the Annex to this Guidance Form)	4 Brief description of the Critical Use	5 Total kg installed in the equipment on 31 December 2004	6 Total kg used <sup>1</sup> in the period 1 January 2004 to 31 December 2004	7 Total kg emitted from this use from 1 January 2004 to 31 December 2004	8 <b>Total kg of stored halon</b>	9 <sup>3</sup> Has an alternative replaced this use <b>since the last reporting?</b> Please indicate alternative (and when replaced)	10 Briefly describe any measures taken to minimise emissions	11 Other comments
	1301/2	<i>In military land vehicles for the protection of spaces occupied by personnel;</i>	<i>Army AT3-submergeable vehicles less than 2-tonne, manned personnel section only. Only inerted with halon before combat situation.</i>	9 860 <sup>2</sup>	45	45		<i>Inergen (2002)</i>	<i>Seals replaced in 2002 on all operational units</i>	<i>The first line is an example only</i>
1	1301/1	In aircraft for the protection of crew compartments								
2	1301/1	In aircraft for the protection of engine nacelles								
3	1301/1	In aircraft for the protection of cargo bays								
4	1301/1	In aircraft for the protection of dry bays								
5	1301/1	In aircraft for fuel tank inerting <sup>1</sup>								
6	1301/2	In military land vehicles for the protection of spaces occupied by personnel								
7	1301/2	In military land vehicles for the protection of engine compartments								
8	1301/2	In naval vessels for the protection of spaces								

<sup>1</sup> 2004/160/Official Journal L 065 , 8.3.2004, p 29-30.

1 No.	2 ID	3 Annex VII Exemption (See coded list in the Annex to this Guidance Form)	4 Brief description of the Critical Use	5 Total kg installed in the equipment on 31 December 2004	6 Total kg used <sup>1</sup> in the period 1 January 2004 to 31 December 2004	7 Total kg emitted from this use from 1 January 2004 to 31 December 2004	8 Total kg of stored halon	9 <sup>4</sup> Has an alternative replaced this use <b>since the last reporting?</b> Please indicate alternative (and when replaced)	10 Briefly describe any measures taken to minimise emissions	11 Other comments
		occupied by personnel								
9	1301/2	In naval vessels for the protection of engine compartments								
10	1301/3	For the making inert of occupied spaces where flammable liquid and/or gas release could occur in the military sector								
11	1301/3	For the making inert of occupied spaces where flammable liquid and/or gas release could occur in the in the oil sector								
12	1301/3	For the making inert of occupied spaces where flammable liquid and/or gas release could occur in the in the petrochemical sector								
13	1301/3	For the making inert of occupied spaces where flammable liquid and/or gas release could occur in cargo ships								
14	1301/4	For the making inert of existing manned communication and command centres of the armed forces								
15	1301/4	For the making inert of existing manned communication and								

1	2	3	4	5	6	7	8	9	10	11
No.	ID	Annex VII Exemption (See coded list in the Annex to this Guidance Form)	Brief description of the Critical Use	Total kg installed in the equipment on 31 December 2004	Total kg used <sup>1</sup> in the period 1 January 2004 to 31 December 2004	Total kg emitted from this use from 1 January 2004 to 31 December 2004	Total kg of stored halon	<sup>4</sup> Has an alternative replaced this use <b>since the last reporting?</b> Please indicate alternative (and when replaced)	Briefly describe any measures taken to minimise emissions	Other comments
		command centres for national security								
16	1301/5	For the making inert of spaces where there may be a risk of dispersion of radioactive matter								
17	1301/6	In the Channel Tunnel and associated installations and rolling stock								
18	1211/1	In military land vehicles for the protection of spaces occupied by personnel <sup>1</sup>								
19	1211/1	In military land vehicles for the protection of engine compartments <sup>1</sup>								
20	1211/1	In naval vessels for the protection of spaces occupied by personnel <sup>1</sup>								
21	1211/1	In naval vessels for the protection of engine compartments <sup>1</sup>								
22	1211/2	In hand-held fire extinguishers and fixed extinguisher equipment for engines for use on board aircraft								
23	1211/3	In aircraft for the protection of crew compartments								
24	1211/3	In aircraft for the protection of engine nacelles								
25	1211/3	In aircraft for the protection of cargo bays								
26	1211/3	In aircraft for the protection								

1 No.	2 ID	3 Annex VII Exemption (See coded list in the Annex to this Guidance Form)	4 Brief description of the Critical Use	5 Total kg installed in the equipment on 31 December 2004	6 Total kg used <sup>1</sup> in the period 1 January 2004 to 31 December 2004	7 Total kg emitted from this use from 1 January 2004 to 31 December 2004	8 Total kg of stored halon	9 <sup>4</sup> Has an alternative replaced this use <b>since the last reporting?</b> Please indicate alternative (and when replaced)	10 Briefly describe any measures taken to minimise emissions	11 Other comments
		of dry bays								
27	1211/4	In fire extinguishers essential to personal safety used for initial extinguishing by fire brigades								
28	1211/5	In military and police fire extinguishers for use on persons								
29	2402/1	In aircraft for the protection of crew compartments, engine nacelles, cargo bays and dry bays and fuel tank inerting								
30	2402/2	In military land vehicles and naval vessels for the protection of spaces occupied by personnel and engine compartments								
31	2402/3	For the making inert of occupied spaces where flammable liquid and/or gas release could occur in the military and in the oil, gas and petrochemical sector, and in existing cargo ships								
32	2402/4	For the making inert of existing manned communication and command centres of the armed forces or others, essential for national security								
33	2402/5	For the making inert of spaces where there may be a risk of dispersion of								

1	2	3	4	5	6	7	8	9	10	11
No.		Annex VII Exemption (See coded list in the Annex to this Guidance Form)	Brief description of the Critical Use	Total kg installed in the equipment on 31 December 2004	Total kg used <sup>1</sup> in the period 1 January 2004 to 31 December 2004	Total kg emitted from this use from 1 January 2004 to 31 December 2004	Total kg of stored halon	<sup>4</sup> Has an alternative replaced this use <b>since the last reporting?</b> Please indicate alternative (and when replaced)	Briefly describe any measures taken to minimise emissions	Other comments
		radioactive matter								
34	2402/6	In hand-held fire extinguishers and fixed extinguisher equipment for engines for use on board aircraft								
35	2402/7	In fire extinguishers essential to personal safety used for initial extinguishing by fire brigades								
36	2402/8	In military and police fire extinguishers for use on persons								

<sup>1</sup> Article 2 defines "use" as the utilisation of controlled substances in the production or maintenance, in particular refilling, of products or equipment or in other processes except for feedstock and processing agent uses

<sup>2</sup> International scientific notation for numbers. This therefore reads "nine thousand eight hundred and sixty".

<sup>3</sup> Reporting not mandatory under EC2037/00 but considered useful.

## **CURRENT ACTIVITIES TO IDENTIFY AND USE ADEQUATE ALTERNATIVES**

For each critical use identified in Table 1, describe current activities to identify and use adequate alternatives. Alternatively, you may wish to identify a current activity that would be common for finding alternatives to several halon uses you have listed in the table. Your answer should include reference to publicity on alternatives, research programmes and initiatives to find alternatives by government and commercial organisations.

**OTHER INFORMATION**

Please include other information that is relevant to your submission. You may choose to use part of this space to provide a more detailed answer in column 8 of Table 1, for example.

## **APPENDIX 1: CRITICAL USES OF HALON REPORTING REQUIREMENTS UNDER REGULATION EC2037/00**

Article 4(1)(c) of Regulation EC2037/00 states that, subject to paragraphs 4 and 5, the placing on the market and the use of halons shall be prohibited:

Article 4(4)(iv) of Regulation EC2037/00 states that paragraph 4(1)(c) shall not apply to the placing on the market and use of halons that have been recovered, recycled or reclaimed in existing fire protection systems until 31 December 2002 or to the placing on the market and use of halons for critical uses as set out in Annex VII. *Each year the competent authorities of the Member States shall notify to the Commission the quantities of halons used for critical uses, the measures taken to reduce their emissions and an estimate of such emissions, and the current activities to identify and use adequate alternatives.*

### **Annex VII: CRITICAL USES OF HALON (as last amended 10.3.2004)**

#### Use of halon 1301:

- 1301/1 in aircraft for the protection of crew compartments, engine nacelles, cargo bays and dry bays, and fuel tank inerting
- 1301/2 in military land vehicles and naval vessels for the protection of spaces occupied by personnel and engine compartments;
- 1301/3 for the making inert of occupied spaces where flammable liquid and/or gas release could occur in the military and in the oil, gas and petrochemical sector, and in existing cargo ships;
- 1301/4 for the making inert of existing manned communication and command centres of the armed forces or otherwise essential for national security;
- 1301/5 for the making inert of spaces where there may be a risk of dispersion of radioactive matter;
- 1301/6 in the Channel Tunnel and associated installations and rolling stock.

#### Use of halon 1211:

- 1211/1 in military land vehicles and naval vessels for the protection of spaces occupied by personnel and engine compartments<sup>2</sup>;
- 1211/2 in hand-held fire extinguishers and fixed extinguisher equipment for engines for use on board aircraft;
- 1211/3 in aircraft for the protection of crew compartments, engine nacelles, cargo bays and dry bays;
- 1211/4 in fire extinguishers essential to personal safety used for initial extinguishing by fire brigades;
- 1211/5 in military and police fire extinguishers for use on persons.

Use of halon 2402 only in Cyprus, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia and Slovenia<sup>2</sup>:

**2402/1** in aircraft for the protection of crew compartments, engine nacelles, cargo bays and dry bays and fuel tank inerting,

**2402/2** in military land vehicles and naval vessels for the protection of spaces occupied by personnel and engine compartments,

**2402/3** for the making inert of occupied spaces where flammable liquid and/or gas release could occur in the military and oil, gas and petrochemical sectors, and in existing cargo ships,

**2402/4** for the making inert of existing manned communication and command centres of the armed forces or others, essential for national security,

**2402/5** for the making inert of spaces where there may be a risk of dispersion of radioactive matter,

**2402/6** in hand-held fire extinguishers and fixed extinguisher equipment for engines for use on board aircraft,

**2402/7** in fire extinguishers essential to personal safety used for initial extinguishing by fire brigades,

**2402/8** in military and police fire extinguishers for use on persons.'

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<sup>2</sup> 2004/232/EC/Official Journal L 71, 10.3.2004, p.28