



Ref. T4/4.01

FP.1/Circ.40
8 January 2010

HALON BANKING AND RECEPTION FACILITIES

1 The Sub-Committee on Fire Protection, at its fortieth session (17 to 21 July 1995), having noted that, under the 1992 amendments to the 1974 SOLAS Convention (resolution MSC.27(61)), new installations of halon fire-extinguishing systems had been prohibited as from 1 October 1994, recalled its previous decision that, for the time being and until appropriate halon banking facilities were established, halons need not be withdrawn from existing systems.

2 The Sub-Committee considered it useful that information on the availability of halons at various ports of the world be circulated, as existing halon systems may need to be recharged with recycled halons to comply with the relevant requirements of the 1974 SOLAS Convention.

3 In order to facilitate the dissemination of information on available halon banking facilities, Member Governments were requested (FP/Circ.1) to advise the Secretariat of any national halon banking facilities established under their jurisdiction, together with their address, telephone and fax numbers to enable contacts for the purpose of arranging the deposit of decommissioned halons or the purchase of recycled ones.

4 The attached annex contains the revised listing of halon banking and reception facilities based on information received by the Secretariat during 2009, which supersedes that annexed to FP.1/Circ.37.

5 Member Governments are requested to provide the Secretariat with information on halon banking and reception facilities, which will be included in future FP.1 circulars. Member Governments are also requested to bring the annexed information to the attention of shipowners, ship operators and other parties concerned.

6 In this context, reference is made to MSC-MEPC.1/Circ.3 on Decreasing availability of halons for marine uses, requesting Member Governments to collect data on halons from the maritime sector, in particular to collect information on the number of ships equipped with halon systems (e.g., the total amount of halons installed for their merchant fleets), and to convey this information directly to the Ozone Secretariat*.

* **Contact information:** Secretariat for the Vienna Convention and its Montreal Protocol – The Ozone Secretariat, United Nations Environment Programme, P.O. Box 30552-00100, Nairobi, Kenya.

ANNEX

HALON BANKING AND RECEPTION FACILITIES AND OTHER RELEVANT INFORMATION

Country	Name and address	Remarks
Argentina	Instituto Nacional de Tecnologia Industrial (INTI) Av. Gral.Paz e/Albarelos y Constituyentes B1650WAB San Martin, Buenos Aires, Argentina Tel: (+54 11) 4724-6200/6300/6400 Website: www.inti.gov.ar /E-mail: cecon@inti.gov.ar Ing. Ana Maria Di Pace	Procedures: <ol style="list-style-type: none"> 1 Users of Halon 1301 installations should contact INTI. 2 The INTI offers advice and information on authorized operators. 3 The INTI analyses halon 1301 for withdrawal and recommends a destination for reception halon 1301. 4 Users should contact an authorized operator for the withdrawal of halon 1301. 5 In the case of conversion of the entire system, INTI provides a certificate to the user, once the original system is withdrawn.
Australia	Australian National Halon Bank c/o DASCEM 126 Trennery Crescent ABBOTSFORD VIC 3067 Australia Tel: +61 (0)3 9418 0552 Fax: +61 (0)3 9473 1450 E-mail: Elvira.nigido@coffey.com	<p>In view of the stock of recycled halon 1301 now held by the Australian National Halon Bank, the supply of halon to a foreign flag ship in an Australian port can be guaranteed on request. Nevertheless, such a supply will be limited to a "one-off" provision essential for the safe operation of the ship.</p> <p>The supply of halon from the Australian National Halon Bank will be subject to approvals from the Department of the Environmental and Heritage and the Australian Maritime Safety Authority. The Australian national Halon Bank will acquire these approvals on behalf of the foreign flag ship prior to supply.</p> <p>The Australian National Halon Bank is committed to ensuring that a supply of recycled halon 1301 over and above that required for Australia's domestic needs will be retained for the purpose of meeting the emergency needs of foreign flag ships.</p> <p>Recycled halon of the Australian National Halon Bank will meet the requirements of ASTM D5632 as adopted by the U.S. Department of Defense.</p> <p>The Australian National Halon Bank can also safely dispose of contaminated halon, or halon removed from decommissioned fire protection systems.</p>

Country	Name and address	Remarks
Brazil	<p>Sollax Equipamentos de Segurança Rua Vieira Do Couto 286 Rocha Miranda CEP 21545-130 Rio de Janeiro Brazil Tel: +55 21 372 8920 Fax: +55 21 372 8791</p> <p>Enchente Sistemas Contra Incendio Rua Ozeia Mota 233 Higienopolis CEP 21061-050 Rio de Janeiro Brazil Tel: +55 21 280 2749 Fax: +55 21 280 9294</p>	<p>Halon types: 1211 and 1301 (recycled) Adopted procedures: ISO 7002 requirements Ability: receiving, supply and recharging on request</p> <p>Halon types: 1211 and 1301 (recycled) Adopted procedures: ISO 7002 requirements Ability: receiving, supply and recharging on request</p>
Canada	<p>Canadian Halon Banking Clearing House and Information Centre:</p> <p>Tel: +1 800 463 6852; Ext. 279 (English) Ext. 261 (English/French)</p> <p>Canadian Standards Development and Certification Organization Underwriters' Laboratories of Canada (ULC) 7 Crouse Road Scarborough, Ontario Canada, M1R 3A9 Tel: +1 416 757 3611 Fax: +1 416 757 3948</p>	<p>Underwriters' Laboratories of Canada (ULC) has been accredited by the Standards Council of Canada to develop and implement National Standards on Fire Protection. The ULC Halon Bank offers clearing house services and puts clients, including international merchant ships in Canada, in touch with appropriate certified companies listed in the following pages.</p>

Country	Name and address	Remarks
<p>Canada (continued)</p>	<p>The following companies provide full servicing of Halon 1301 systems (Certification category I):</p> <p>Control fire systems Ltd. 63 Advance Road, Building “A” Toronto, Ontario Canada, M8Z 2S6 Tel: +1 416 236 2371 Fax: +1 416 233 6814</p> <p>Superior safety Inc. 989 Century Street Winnipeg, Manitoba Canada, R3H 0W4 Tel: +1 204 694 0140 Fax: +1 204 694 1590</p> <p>The following companies provide limited servicing of Halon 1301 systems:</p> <p>CASP Aerospace Inc. Pointe-Claire, Quebec Tel: +1 514 630 7777 (A, B only)</p> <p>CFH Sécurité Inc. Lachine, Quebec Tel: +1 514 639 0339</p> <p>Classic Fire Protection Inc. North York, Ontario Tel: +1 416 740 3000</p>	<p>Services provided:</p> <ul style="list-style-type: none"> • charging, recharging and hydro-testing of halon system containers; • repair and maintenance of all system components; • determination of quality of halon 1301; • reconditioning of recovered halon to acceptably quality requirements; • dismantling of systems; and • field inspections, including certification of the integrity of installed systems. <p>Services provided (Certification category II):</p> <ul style="list-style-type: none"> • charging, recharging and hydro-testing of halon system containers; • repair and maintenance of all system components; • dismantling of systems; and • field inspections, including certification of the integrity of installed systems.

Country	Name and address	Remarks
<p>Canada (continued)</p>	<p>D & L Engineering Sales Ltd. Halifax, Nova Scotia Tel: +1 902 429 3790</p> <p>Douglas Fire Safety Systems Inc. Ottawa, Ontario Tel: +1 613 733 5348</p> <p>Equipment Globe Inc. Globe Fire Equipment Inc. Lachine, Quebec Tel: +1 514 631 2534</p> <p>Extincteurs prud'homme Maple Grove, Quebec Tel: +1 514 225 7637</p> <p>Levitt-Safety Ltd. Oakville, Ontario Tel: +1 905 829 3299</p> <p>Magna Fire Protection & Security Ltd. Brampton, Ontario Tel: +1 905 791 9606</p> <p>Sentry Fire Equipment Ltd. Sarnia, Ontario Tel: +1 519 383 6060</p> <p>Superior Safety Inc. Thunder Bay, Ontario Tel: +1 807 623 2797</p>	

Country	Name and address	Remarks
<p>Canada (continued)</p>	<p>The following companies provide inspection of halon 1301 systems (Certification category III):</p> <p>Acklands Ltd. Richmond Hill, Ontario Tel: +1 905 731 8975</p> <p>Anderson Fire Protection Ottawa, Ontario Tel: +1 613 228 1881</p> <p>Cerberus Pyrotechnics Montreal, Quebec Tel: +1 514 725 1025</p> <p>Cronin Fire Equipment Ltd. Nepean, Ontario Tel: +1 613 727 5330</p> <p>Dunlop-Beaufort Canada Ltd. Richmond B.C. Tel: +1 604 278 3221</p> <p>First Stage Fire Protection & Sec. Ltd. Downsview, Ontario Tel: +1 905 475 8641</p> <p>Lyons Fire Protection Services Inc. Etobicoke, Ontario Tel: +1 416 674 5633</p>	<p>Field inspections, including certification of the integrity of installed systems.</p>

Country	Name and address	Remarks
Canada (continued)	Standard Mechanical Mississauga, Ontario Tel: +1 905 625 9505 Vipond Fire Protection Ltd. Mississauga, Ontario Tel: +1 905 564 7060	
Croatia	Antipiros d.o.o. Split 21000 Split Pujanke 77A Iirvatska Tel: +21 377 622/611 or +21 376 733/144 Fax: +21 377 622	Halon banking facilities are available as follows: 1 Halon 1301 – 1,000 kg 2 Halon 1211 – 200 kg
Egypt	Tbrogas Products of Egypt Headquarters Cairo Arab Republic of Egypt Tel: +202 749 5035 Fax: +202 749 5003 Portsaid Free Zone Portsaid, Egypt Tel: +066 325 397 Fax: +066 325 397	Facilities for storage of untreated halon gas as well as direct sale of treated halon gas are available at two stations of this company.

Country	Name and address	Remarks
Finland	Federation of Finnish Insurance Companies Bulevardi 28 00120 Helsinki Finland Tel: +3 58 0 680 401 Fax: +3 58 0 647 540	<p>The Government of Finland decided not to establish any halon banking facilities within its jurisdiction. However, Finnish insurance companies have established a data bank, which contains contact information of companies who have halon gas in their possession.</p> <p>Decommissioned halons can be inquired from the Federation of Finnish Insurance Companies.</p>
France	<p>ABC Protection Environnement 13 rue du Compas 9142 95074 Saint-Ouen l'Aumône France Tel: +33 1 34 21 93 88 Fax: +33 1 30 37 31 85</p> <p>AMP 7 rue des Meuniers -Z.A. 91520 Egly France Tel: +33 1 69 26 93 44 Fax: +33 1 69 26 92 85</p> <p>Automatismes Sici 1 rue Yvan Pavlov 93152 Le Blanc Mesnil Cedex France Tel: +33 1 49 39 40 00 Fax: +33 1 48 65 60 04</p>	<p>The listed companies are capable of receiving halons for recycling or providing recycled ones.</p>

Country	Name and address	Remarks
France (continued)	<p>Dehon Services 26 avenue du Petit Parc 94683 Vincennes Cedex France Tel: +33 1 43 98 75 00 Fax: +33 1 43 98 21 51</p> <p>Desautel Parc d'entreprises -BP 9 01121 Mont-Luel Cedex France Tel: +33 4 72 25 33 00 Fax: +33 4 72 25 33 39</p> <p>Disse Z.I. avenue Félix Louat 60300 Senlis France Tel: +33 3 44 60 95 10 Fax: +33 3 44 53 55 14</p> <p>EFMT 4 rue Colbert 92700 Colombes France Tel: +33 1 47 86 83 00 Fax: +33 1 47 80 36 03</p> <p>Cerberus Guinard Z.I.-617 rue Fourmy-BP 20 78531 Buc Cedex, France Tel: +33 1 30 84 66 00 Fax: +33 1 39 56 42 08</p>	

Country	Name and address	Remarks
France (continued)	<p>EMS 4 rue Jean Monnet – BP 606 95196 Goussanville France Tel: +33 1 39 88 63 55 Fax: +33 1 39 88 06 73</p> <p>Kidde Dexareo 4 rue Henri Poincaré 92160 Anthony Cedex France Tel: +33 1 46 66 08 08 Fax: +33 1 46 66 23 24</p> <p>Sfeme Les Linards – BP 1250 03104 Montluçon Cedex France Tel: +33 4 70 08 12 00 Fax: +33 4 70 29 37 32</p>	

Country	Name and address	Remarks
Italy	<p>GIELLE Antincendio Via Ferri Rocco, 32 70022 Altamura (BA) Italy Tel: +39 080.3118998 Fax: +39 080.3101309 Contact person: Dott. Vincenzo Galantucci E-mail: v.galantucci@gielle.it Web site: www.halonbank.net</p> <p>Safety Hi-Tech Srl Via degli Olmetti 14, Z.I. 00060 Formello (RM) Italy Tel: +39 06.98267310 Fax: +39 06.98267332 Contact person: Dott. Gianluca Indovino E-mail: mail@safetyhitech.com Web site: www.safetyhitech.com</p> <p>Tazzetti Fluids Srl Corso Europa 600/a 10088 Volpiano (TO) Italy Tel: +39 011.97021 Fax: +39 011.9702496 Contact person: Ivano Bosi E-mail: ivano.bosi@tazzetti.com Web site: www.tazzetti.com</p>	The listed companies are authorized halon banking and reception facilities for halon recovery and recycling activities.

Country	Name and address	Remarks
<p>Italy (continued)</p>	<p>Ecofire c/o Centro Servizi l'Acquario Reggio Calabria Italy Tel: +39 0965.595032 Fax: +39 0965.598925 E-mail: info@consorzioecofire.it Web site: www.consorzioecofire.it</p>	
<p>Norway</p>	<p>Spesialavfallsstasjonen Bergen Interkommunale Renholdsverk (BIR) Fleslandsvn. 244 N-5068 Flesland, Norway Tel: +47 55 22 91 33 Fax: +47 55 99 14 32</p> <p>N.SONTUN A/S Nedre Nøttveit 16, P.O. Box 124 N-5046 Rådal, Norway Tel: +47 55 13 00 94 Fax: +47 55 13 30 33</p> <p>UNITOR P.O. Box 4 N-4033 Forus, Norway Tel: +47 51 57 01 33 Fax: +47 51 57 12 62</p>	<p>This is purely a reception facility and is not allowed to refill halon containers on board ships.</p> <p>The companies listed below this point are accepted to store and refill halon containers on board ships. The halon capacity stored by these companies to refill halon containers on board ships would be between 1,000 kg and 15,000 kg.</p>

Country	Name and address	Remarks																
<p>Norway (continued)</p>	<p>Maritime gmc as P.O. Box 4048 Tasta N-4004 Stavanger, Norway Tel: +47 51 84 80 00 Fax: +47 51 84 80 89</p> <p>NOHA Brannteknikk AS Avd. Trondheim, P.O. Box 762 N-7075 Tiller, Norway Tel: +47 72 88 84 77 Fax: +47 72 88 51 65</p>	<p>The companies listed below this point are accepted to store and refill halon containers on board ships. The halon capacity stored by these companies to refill halon containers on board ships would be between 1,000 kg and 15,000 kg.</p>																
<p>Peru</p>		<p>The Government of Peru has decided not to establish halon banking facilities.</p>																
<p>Republic of Korea</p>	<p>Hanju Chemical Co., Ltd. 326-79 Songjeong-Ri, Mado-Myeon, Hwaseong-Gun, Kyeonggi-Do, Republic of Korea Tel: +82-339-782-9591/9592/9593 Fax: +82-337-782-9595</p>	<p>Facilities for Halon 1301 and Halon 1211:</p> <table border="1" data-bbox="1102 922 1839 1094"> <thead> <tr> <th></th> <th>Capacity (tons)</th> <th>Number</th> <th>Total (tons)</th> </tr> </thead> <tbody> <tr> <td>Fixed tank</td> <td>15</td> <td>2</td> <td>30</td> </tr> <tr> <td></td> <td>36</td> <td>1</td> <td>36</td> </tr> <tr> <td>Portable cylinder</td> <td>1</td> <td>50</td> <td>50</td> </tr> </tbody> </table>		Capacity (tons)	Number	Total (tons)	Fixed tank	15	2	30		36	1	36	Portable cylinder	1	50	50
	Capacity (tons)	Number	Total (tons)															
Fixed tank	15	2	30															
	36	1	36															
Portable cylinder	1	50	50															

Country	Name and address	Remarks
Russian Federation	Company "Ozone" St. Petersburg 198330 P.O. Box 37 Russian Federation Tel/Fax: (812) 325 1373	The company offers the following services: .1 halons 2402 and 1301 recovery, charging and recharging of fire-extinguishing systems; .2 supply of reclaimed halons 2402, 1301 in any containers; .3 disposal of unsuitable halons; and .4 analytical control of halons quality. Currently the company grants availability of reclaimed halon 2402 in amount of 10 MT and reclaimed halon 1301 in amount of 4 MT.
United States	Halon Recycling Corporation 2111 Wilson Boulevard, 8th Floor Arlington, Virginia 22201 United States of America Tel: +1 800 258 1283 Fax: +1 703 243 2874 E-mail: harc96@aol.com	The Halon Recycling Corporation (HRC) acts as the contact point both nationally and internationally for the United States halon recycling and banking and also serves as the focal point for industry and government interaction on halon recycling issues. Further information can be obtained from the HRC website at www.halon.org .
Vanuatu		The Government of Vanuatu has decided not to establish halon banking facilities.