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Международная
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Ref.: AN 3/25.1-16/6

1 February 2016

Subject: State questionnaire on the status of halon reserves

Action required: To inform ICAO of halon reserves by no later than 1 April 2016

Sir/Madam,

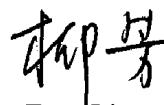
1. I have the honour to request information on halon reserves accessible to the civil aviation industry within your State to support its future operations. Assembly Resolution A38-9: *Halon replacement*, adopted by the 38th Session of the ICAO Assembly (Montréal, 2013), urges States to determine and monitor their halon reserves and quality of the halon. It also urges that States inform ICAO regularly of their halon reserves and for this information to be reported to the Council. Consequently, a State questionnaire on the status of halon reserves is attached, and I would ask that you return it to ICAO by no later than 1 April 2016. The State questionnaire may also be completed online at <http://www.icao.int/safety/Pages/Halon-Reserves-Questionnaire-2016.aspx>.

2. Halon reserves are critical to sustaining the fire extinguishing systems installed on board aircraft that use halon as the fire extinguishing agent. The Montreal Protocol on Substances that Deplete the Ozone Layer has banned the production of halon. Consequently, the aviation industry has to rely on the continued availability of recycled halon. The United Nations Environment Programme estimates that sources of halon 1301, largely used in engine/auxiliary power unit and cargo compartment fire extinguishing systems, may be depleted as early as 2045.

3. With the ban by the Montreal Protocol on Substances that Deplete the Ozone Layer on the production of halon, the following timeframes have been established in Annex 6 — *Operation of Aircraft* (Part I, 6.2.2.1; Part II, Section 2, 2.4.2.3; Part III, Section II, 4.2.2.1 and Section III, 4.1.3.2) and Annex 8 — *Airworthiness of Aircraft* (Part II, 1.1 b)) for the replacement of halon as an extinguishing agent (see table below for the applicable dates).

	Applicable date	Remarks
Lavatory fire extinguishing systems	31 December 2011	Halon must not be used in an aircraft for which the individual Certificate of Airworthiness is first issued on or after 31 December 2011.
Hand-held fire extinguishers	31 December 2016	Halon must not be used in an aircraft for which the individual Certificate of Airworthiness is first issued after 31 December 2016.
Engine and APU fire extinguishing systems	31 December 2014	Halon must not be used on aircraft types for which an application for a Type Certificate is submitted to the State of Design on or after 31 December 2014.
Cargo compartment fire extinguishing systems	To be determined	ICAO will recommend an applicable date at the 39th Session of the Assembly.

Accept, Sir/Madam, the assurances of my highest consideration.



Fang Liu
Secretary General

Enclosure:

State questionnaire on halon reserves

ATTACHMENT to State letter AN 3/25.1-16/6

STATE QUESTIONNAIRE ON HALON RESERVES

Note to the respondent

The State questionnaire may be completed by the ICAO focal point or forwarded to another individual for completion and submission. The name and e-mail address of the individual completing and submitting the State questionnaire, as well as that of the ICAO focal point, must be provided. If your State has more than one ICAO focal point, please ensure that only one completed State questionnaire is submitted.

Name of State: _____ **Date:** _____

Name of the ICAO focal point: _____ **E-mail:** _____

Name of the respondent: _____ **E-mail:** _____

1. Is your State aware of the source of recycled halon used by your State's air operators for use in aircraft fire extinguishing systems?

Yes No

Comments (if any):

2. Does your State monitor the quality of halon used by aviation?

Yes No

Comments (if any):

3. With the ban by the Montreal Protocol on Substances that Deplete the Ozone Layer on the production of halon, and taking into account the timeframes established in Annex 6 — *Operation of Aircraft* (Part I, 6.2.2.1; Part II, Section 2, 2.4.2.3; Part III, Section II, 4.2.2.1 and Section III, 4.1.3.2) and Annex 8 — *Airworthiness of Aircraft* (Part II, 1.1 b)) for the replacement of halon as an extinguishing agent, do you anticipate that there will be enough halon to meet the civil aviation needs of your State?

Halon 1211: Yes No Unsure Not applicable

Halon 1301: Yes No Unsure Not applicable

Halon 2402: Yes No Unsure Not applicable

Comments (if any):

4. Do you know the quantity of halon reserves accessible to the civil aviation industry in your State in order to support its future operations? If “Yes”, please provide the quantity in metric tonnes:

Halon 1211: Yes: _____ No Not applicable

Halon 1301: Yes: _____ No Not applicable

Halon 2402: Yes: _____ No Not applicable

Comments (if any):

5. Does your State anticipate any challenges in issuing a first individual Certificate of Airworthiness on or after 31 December 2016?

Yes No

Comments (if any):

For States of Design

6. Has your State issued a new Type Certificate after 31 December 2014?

Yes No

Comments (if any):
