



International
Civil Aviation
Organization

Organisation
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Organización
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Международная
организация
гражданской
авиации

منظمة الطيران
المدني الدولي

国际民用
航空组织

Tel.: +1 514-954-8219 ext. 5151

15 May 2018

Ref.: AN 3/25.1- IND/18/5

Subject: Survey on halon 1301 estimate(s) of civil aviation halon emissions

Action required: Complete the online survey no later than 25 June 2018

Sir/Madam,

1. I have the honour to inform you that the 39th Session of the Assembly of the International Civil Aviation Organization (ICAO), held from 27 September 2016 to 7 October 2016 in Montréal, Canada, adopted Assembly Resolution A39-13 — *Halon replacement*, recommending that ICAO continue its collaboration with the Ozone Secretariat, through the Halons Technical Options Committee (HTOC) of the Technology and Economic Assessment Panel (TEAP) of the Montreal Protocol on the topic of halon alternatives for civil aviation. The Assembly also acknowledged the complexity of the development of alternatives to halon.

2. At the Twenty-ninth meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer that was held in Montréal, Canada, from 20 to 24 November 2017, Decision XXIX/8 was adopted on the future availability of halons and their alternatives. In the decision, the parties recognized that although global production of halons for controlled uses was eliminated in 2009, some remaining applications, particularly in civil aviation, would continue to rely on recovered, recycled and reclaimed halons for use in aircraft fire suppression systems for the foreseeable future.

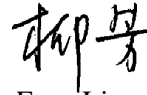
3. As part of the work to be carried out on this subject matter, ICAO and HTOC are seeking to improve the estimation of civil aviation halon 1301 emissions. In this regard, a survey has been developed to obtain information from service providers in Member States. You are receiving this letter because your State has been identified as having companies that service and repair aviation halon 1301 systems/cylinders.

4. You are kindly requested to contact the companies that service and repair aviation halon 1301 systems/cylinders in your State (see Attachment B) and encourage them to complete the online survey. The online survey is accessible at <https://www.surveymonkey.com/r/NDJPGH3>.

5. A reference copy of the aforementioned survey can be found in Attachment A. If there are additional relevant service providers that are not on this list in Attachment B, kindly forward this information to them and request that they also complete the online survey.

6. I would be grateful if your administration would encourage the completion of the online survey no later than **25 June 2018**.

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



Fang Liu
Secretary General

Enclosures:

- A — Survey on halon estimate(s) of civil aviation halon 1301 emissions
- B — List of service providers in your State

SURVEY ON HALON ESTIMATE(S) OF CIVIL AVIATION HALON 1301 EMISSIONS

Introduction

The International Civil Aviation Organization (ICAO) and the United Nations Environment Programme's Halons Technical Options Committee (HTOC) seek to improve the estimation of civil aviation halon emissions data. The questionnaire below is intended to elicit responses from service providers within Member States concerning existing companies providing servicing and/or repair of aviation halon 1301 systems/cylinders.

Responses to the questionnaire will be analysed to determine the current and projected future quantities of halon installed in civil aviation fire protection systems, the associated uses and releases of halon from those systems and any potential courses of action to minimize unnecessary halon emissions and to ensure the better management and preservation of existing halon reserves that civil aviation could take to reduce those uses and releases.

The questionnaire will be filled out in electronic form at <https://www.surveymonkey.com/r/NDJPGH3>. Questions 1 – 7 are mandatory. Please answer by checking the “Yes” or “No” boxes, as appropriate, and provide additional information where requested. Questions 8 – 11 are optional, however your responses to these questions will be highly appreciated.

Please note that responses to the questionnaire will be treated as confidential and will only be disclosed in aggregated form. Thank you for your participation.

1. **Name of State or Country where facility is located:** _____

2. **Contact details of organization completing the survey:**

Contact person: _____

Phone: _____

Email: _____

Website of service provider:

State/City of specific facility(ies) covered by the survey:

3. Does your facility perform the service and/or repair of aviation halon 1301 systems/cylinders?

Yes No

If you have answered “No”, who does the service/repair for you? Please provide contact information:

If you answered “No” to question 3, please proceed to Question 11.

4. For each of the last three years, if possible, provide the amount of halon 1301 you have recovered from bottle/cylinders during servicing?

<i>Year</i>	<i>Amount (specify kilograms or pounds)</i>
_____	_____
_____	_____
_____	_____

5. For each of the last three years, if possible, provide the amount of halon 1301 in kilograms or pounds (specify which) your facility used per year to fill aviation bottles/cylinders during servicing?

<i>Year</i>	<i>Amount (specify kilograms or pounds)</i>
_____	_____
_____	_____
_____	_____

6. Do you maintain a stock of halon 1301?

Yes No

If yes, on average, at any given time, how many kilograms or pounds do you stock?

7. The next section of the survey is optional. It is related to procurement and storage of halon at your facility. However, your response to these questions would be greatly appreciated.

8. Is your usage trending up, down or staying relatively steady?

trending up trending down staying relatively steady

Comments (if any):

9. Are you able to procure enough halon to meet your needs?

Yes No

If you have answered "No", please provide a brief explanation.

10. Have you experienced any change in availability over time?

Yes No

If you have answered "Yes", please provide a brief explanation.

Comments (if any):

11. Please provide any information or comments that you think are important on the topic of halon 1301 supplies, availability and purity.

Comments (if any):

— END —