

E. McCarthy

Job No. E10-00007

RUSSIAN FEDERATION

Montreal, 31 December 2009

Sir,

In reply to ICAO State letter AN 1/17-09/93 of 2 December 2009, I have the honour to submit to you the completed "Questionnaire concerning voluntary activity for GHG reduction/mitigation in the aviation sector." As recommended in the ICAO State letter, a copy of the aforementioned questionnaire has also been e-mailed to [fpvm@mlit.go.jp](mailto:fpvm@mlit.go.jp) and to [jhupe@icao.int](mailto:jhupe@icao.int).

Accept, Sir...

[sgd] A.A. Novgorodov  
Representative of the  
Russian Federation to ICAO

Enclosure: Attachment to State letter AN 1/1/7-09/93,  
3 sheets

**QUESTIONNAIRE CONCERNING VOLUNTARY ACTIVITY FOR GHG  
REDUCTION/MITIGATION IN THE AVIATION SECTOR**

A copy of the questionnaire, in Microsoft Word format, has been posted on the Internet at <http://www.icao.int/icao/en/env/measures.htm>.

Name:
Organization: <b>Ministry of Transport of the Russian Federation</b>
Phone: +7 (499) 231-6432
Facsimile: +7 (499) 231-6873
E-mail:

**Q1.** Name of the voluntary activity.

National Program for the Reduction of Greenhouse Gas Emissions in the Civil Aviation Sector
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**Q2.** Type<sup>1</sup> of the voluntary activity.

<input type="checkbox"/> Unilateral commitment <input checked="" type="checkbox"/> Public voluntary scheme <input type="checkbox"/> Negotiated agreement <input type="checkbox"/> Other (Please describe the activity in the box below.)
There is no voluntary activity at present.

**Q3.** Please mark all the participants<sup>2</sup> of the activity.

<input checked="" type="checkbox"/> Airline <input type="checkbox"/> Airline association <input checked="" type="checkbox"/> Manufacturer <input type="checkbox"/> Manufacturer association <input type="checkbox"/> Airport authority <input type="checkbox"/> Air traffic control <input checked="" type="checkbox"/> <b>Government of the Russian Federation</b>
When voluntary activity is introduced.

**Q4.** Is the voluntary activity accompanied by a side agreement<sup>3</sup>?

<input type="checkbox"/> Yes (Proceed to Q4-1.) <input checked="" type="checkbox"/> No (Proceed to Q5.)
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<sup>1</sup>The features of each type of voluntary activity are as follows.

- Unilateral Commitment: The environmental improvement plan established by the participant itself, and declared to the stakeholders, such as employees, stockholders, consumers, etc. Target and measures to environmental improvement are established by the participant itself.
- Public Voluntary Scheme: The scheme which the participant agrees voluntarily with the standard on environmental improvement target, technology, management, etc. established by public organization such as Ministry for Environment.
- Negotiated Agreement: Contract based on negotiation between public organization (national government/local government) and industries. Both parties can independently decide whether to agree to the contract.

<sup>2</sup> If you marked “Public voluntary scheme” on Q2, the public organization which establishes the standard is included in the participants. If you marked “Negotiated agreement” on Q2, the public organization which agrees to the contract is included in the participants.

<sup>3</sup> “Side agreement” is the agreement between the participant of the activity and a third party. For example, the agreement between an airline and an engine manufacturer, which prescribes that the manufacturer assist the airline to attain its target by introducing new emission-reducing technologies, is considered as a side agreement. For more information, please refer to Part II Paragraph 6.5.2 on “Template and Guidance on Voluntary Measures”, released on ICAO CAEP website ([http://www.icao.int/icao/en/env/Caep\\_Template.pdf](http://www.icao.int/icao/en/env/Caep_Template.pdf)).

**Q4-1.** If the voluntary activity is accompanied by side agreement, please describe the parties and outline the side agreement.

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**Q5.** Please answer the following questions concerning the coverage of the voluntary activity:

**Q5-1.** Select all green house gases (GHGs) which are part of the voluntary activity.

<input checked="" type="checkbox"/> Carbon dioxide (CO <sub>2</sub> ) <input type="checkbox"/> Methane (CH <sub>4</sub> ) <input type="checkbox"/> Nitrous oxide (N <sub>2</sub> O) <input type="checkbox"/> Hydrofluorocarbons (HFCs) <input type="checkbox"/> Perfluorocarbons (PFCs) <input type="checkbox"/> Sulphur hexafluoride (SF <sub>6</sub> ) <input type="checkbox"/> Nitric oxide & Nitrogen dioxide (NO <sub>x</sub> ) <input type="checkbox"/> Water vapor (H <sub>2</sub> O) <input type="checkbox"/> Other (Please specify in the next box.)
When voluntary activity is introduced.

**Q5-2.** Please select all operations<sup>4</sup> which are part of the voluntary activity.

<input checked="" type="checkbox"/> International passenger flight <input checked="" type="checkbox"/> Domestic passenger flight <input checked="" type="checkbox"/> International cargo flight <input checked="" type="checkbox"/> Domestic cargo flight <input type="checkbox"/> Other (Please specify in the next box.)
When voluntary activity is introduced.

**Q6.** Please answer the following questions concerning the index to measure the effect of the voluntary activity.

**Q6-1.** Select the index used to measure the effect of the voluntary activity.

<input type="checkbox"/> Absolute quantity of GHG emissions <sup>5</sup> (Please outline the index in the box below.) <input type="checkbox"/> Unit of GHG emissions <sup>6</sup> (Please outline the index in the box below.) <input type="checkbox"/> Introduction of specific technology <input type="checkbox"/> Introduction of specific procedure <input type="checkbox"/> Other (Please specify in the box below.)
When voluntary activity is introduced.

**Q6-2.** Please outline the procedure to acquire data to calculate or describe the index of Q6-1.

<sup>4</sup> In case that the voluntary activity describes its coverage from the other viewpoint than listed above, such as “operation under IFR”, “operation of aircraft larger than specific weight”, etc. and that aim of the activity is not linked to operation directly, for example introduction of new technology which contributes reduction/mitigation of GHGs, please mark “other” and please describe feature.

<sup>5</sup> The example of the unit is Ton-CO<sub>2</sub>, Ton-C, m<sup>3</sup>-CO<sub>2</sub>, etc.

<sup>6</sup> The example of the unit is g-CO<sub>2</sub>/RPK(Revenue Passenger Kilometer), g-CO<sub>2</sub>/ASK(Available Seat Kilometer), g-CO<sub>2</sub>/RTK(Revenue Ton Kilometer), g-CO<sub>2</sub>/ATK (Available Ton Kilometer), etc.

When voluntary activity is introduced.

**Q7.** Please answer the following questions concerning the target of the voluntary activity.

**Q7-1.** Is the target of the voluntary activity clearly defined?

Yes (Proceed to Q7-2.)  No (Proceed to Q8.)

**Q7-2.** Please describe the target of the voluntary activity, including substance of the target, target year, base year.

To reduce greenhouse gas emissions in the sector (for all system participants) by 25% relative to the base year (1990) by 2020.

**Q8.** Please list the measures to attain the target or to reduce/mitigate GHGs.

- Optimization (straightening) of flight routes
- Ending a number of “unnecessary” refuellings
- Reduction of the number of “empty”, no-load flights
- Set of measures to reduce the cost of fuel to support an aircraft take-off, and during its flight operations
- Streamlining aircraft ground movements
- Organization of the movement of special transport vehicles within the aerodrome
- Organization of airport activities as part of the organization of waste (landfill) utilization
- Utilization of alternative fuels that ensure lower overall GHG emissions when burned.

**Q9.** Please answer the following questions concerning periodic review of the voluntary activity.

**Q9-1.** Is the progress of the voluntary activity reviewed periodically?

Yes (Proceed to Q9-2.)  No (Proceed to Q10.)

**Q9-2.** Please describe the frequency of the periodic review.

Annually, when voluntary activity is introduced.

**Q9-3.** Is a third party’s opinion considered/to be considered in the periodic review?

Yes (Proceed to Q9-4.)  No (Proceed to Q10.)

**Q9-4.** Please outline the third party opinion.

Rosgidromet, when voluntary activity is introduced.

**Q10.** Please answer the following questions concerning legislative obligation.

**Q10-1.** Is there any legislative obligation on attainment of the target?

Yes (Proceed to Q10-2.)  No (Proceed to Q11.)

**Q10-2.** Please describe legislative obligation, including measures taken in case that the participant of the voluntary activity fails to attain the target.

**Q11.** Please answer the following questions concerning disclosure of information<sup>7</sup> on the voluntary activity:

**Q11-1.** Is the name of the participant of the voluntary activity disclosed to the public?

Yes  No

**Q11-2.** Is the target of the voluntary activity disclosed to the public? (If you marked “no” at Q7-1, the answer to this question shall be “not applicable”.)

Yes  No  Not applicable

**Q11-3.** Are the measures taken/to be taken by the participant of the voluntary activity to attain the target/reduce or mitigate GHGs disclosed to the public?

Yes  No

**Q11-4.** Is the result of each periodic review disclosed/to be disclosed to the public? (If you marked “no” at Q9-1, the answer to this question shall be “not applicable”.)

Yes  No  Not applicable

**Q11-5.** Is the effect of the voluntary activity disclosed/to be disclosed to the public?

Yes  No

**Q12.** Please answer the following questions concerning effect of the voluntary activity:

**Q12-1.** Is third party’s opinion considered/to be considered when examining the effect of the voluntary activity?

Yes (Proceed to Q12-2.)  No (Proceed to Q12-3.)

**Q12-2.** Please outline the third party opinion.

<sup>7</sup> Item(s) to which the answer is/are “no” from Q11-1 to Q11-5, are considered but this information will not be included in the final report.

When voluntary activity is introduced.

**Q12-3.** How much of GHGs amount emitted per year, in CO<sub>2</sub> weight equivalent are reduced or mitigated/expected to be reduced or mitigated by the voluntary activity?

1% and more per year over previous year.

**Q13.** Please provide the website address for the voluntary activity, if any, in the box below.

**Q14.** Please describe additional information, if any.

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Duly completed questionnaires should be returned to:

Voluntary Measures Focal Point  
ICAO Committee on Aviation Environmental Protection (CAEP)  
Attention: Mr. Tetsu Shimizu  
Policy Coordinator for Global Environment  
Civil Aviation Bureau of Japan  
e-mail: [fpvm@mlit.go.jp](mailto:fpvm@mlit.go.jp)  
fax.: +81-3-5253-1656

Copy to:  
Jane Hupe  
Secretary, CAEP  
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