

R. Núñez-Alonso

JOB NO. E10-0074

CHILE

Santiago, 7 January 2010

Ref.: DGAC No. 04/3/13/0077
AN 1/17-09/93 dated 2 December 2009

Subject: **Collection of information on voluntary activity for greenhouse gas (GHG) reduction/mitigation in the aviation sector**

Sir,

In response to State letter AN 1/17-09/93 of 2 December 2009, I have the honour to submit, enclosed herewith and duly completed by Chile, the questionnaire concerning voluntary activity for GHG reduction/mitigation in the aviation sector.

Accept, Sir, etc. [...]

[sgd] Iván R. Galán
Deputy Director of Planning

Secretary General
ICAO
Montreal

ATTACHMENT to State letter AN 1/17-09/93

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

[...]

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Q1. Name of the voluntary activity

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Q2. Type¹ of voluntary activity

Unilateral commitment	Public voluntary scheme	Negotiated agreement	Other (please describe the activity in the box below) X
Reduction in flight times, approach sequences, control of vehicles providing aircraft support			

Q3. Please mark all the participants² in the activity.

Airline X	Airline association	Manufacturer	Manufacturer association	Airport authority X	Air traffic control X	Government	Other (please specify in the box below)

Q4. Is the voluntary activity accompanied by a side agreement³?

Yes (Proceed to Q4-1.)	No (Proceed to Q5.) X
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[...]

Q4-1. If the voluntary activity is accompanied by a 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 greenhouse gases (GHG) which are part of the voluntary activity.

Carbon dioxide (CO ₂) X	Methane (CH ₄)	Nitrous oxide (N ₂ O)
Hydrofluorocarbons (HFCs)	Perfluorocarbons (PFCs)	Sulphur hexafluoride (SF ₆)
Nitric oxide & nitrogen dioxide (NO _x)	Water vapour (H ₂ O)	Other (please specify in the next box)

Q5-2. Please select all operations⁴ which are part of the voluntary activity.

International passenger flight X	Domestic passenger flight X	International cargo flight X
Domestic cargo flight	Other (please specify in the next box) X	
Vehicle operations on the apron		

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.

Absolute quantity of GHG emissions ⁵ (please outline the index in the box below)
Unit of GHG emissions ⁶ (please outline the index in the box below)
Introduction of specific technology
Introduction of specific procedure
Other (please specify in the box below) X
Voluntary activities are not measured.

[...]

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

No such procedure exists.

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

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

Reduction in taxiing times; reduction in flight times (UPR, RNAV); approach sequences. Control of vehicle emissions (vehicles involved in apron assistance, approach).

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.) X
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Q9-2. Please describe the frequency of the periodic review.

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

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

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Q11. Please answer the following questions concerning disclosure of information⁷ on the voluntary activity:

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

Yes	No X
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Q11-2. Is the target of the voluntary activity disclosed to the public? (If you marked “No” in Q7-1, the answer to the question shall be “Not applicable.”)

Yes	No	Not applicable X
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Q11-3. Are the measures taken/to be taken by the participant in the voluntary activity to attain the target/reduce or mitigate GHGs disclosed to the public?

Yes	No X
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Q11-4. Is the result of each periodic review disclosed/to be disclosed to the public? (If you marked “No” in Q9-1, the answer to the question shall be “Not applicable.”)

Yes	No	Not applicable X
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Q11-5. Is the effect of the voluntary activity disclosed/to be disclosed to the public?

Yes	No X
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Q12. Please answer the following questions concerning the effect of the voluntary activity:

Q12-1. Is a 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.) X
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[...]

Q12-2. Please outline the third party opinion.

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Q12-3. How much of the GHG amount emitted per year, in CO₂ weight equivalent, is reduced or mitigated/expected to be reduced or mitigated by the voluntary activity?

Estimated amount saved by 2088: 135 000 kg comb. (1 kg comb. generates 3 150 kg of CO ₂) Approximate reduction of 36 000 t of CO ₂ .
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Q13. Please provide the website address for the voluntary activity, if any, in the box below.

Not applicable

Q14. Please describe additional information, if any.

[...]