



International Civil Aviation Organization

WORKING PAPER

A38-WP/348
EX/119
17/9/13
(Information paper)
English only

ASSEMBLY — 38TH SESSION

EXECUTIVE COMMITTEE

Agenda Item 17: Environmental Protection

ENVIRONMENTAL PROTECTION MEASURES IN THE CIVIL AVIATION SECTOR

(Presented by Viet Nam)

EXECUTIVE SUMMARY

This information paper presents the initiatives taken by Viet Nam towards mitigating the noise and carbon emissions from domestic and international air operations. The paper describes various measures taken by regulatory authorities, airlines, air navigation service providers and airport operators in reducing noise and carbon emissions.

<i>Strategic Objectives:</i>	This information paper relates to Strategic Objective C – <i>Environmental Protection and Sustainable Development of Air Transport.</i>
<i>Financial implications:</i>	No financial implications.
<i>References:</i>	Not applicable.

1. INTRODUCTION

1.1 In the recent years, Viet Nam's civil aviation has grown and developed at high rate. However, aviation environment has been adversely affected by noise and carbon emission issues. Environmental issues should be taken care of at all levels in accordance with civil aviation growth and development. Vietnamese Government has applied strategic environmental policies including aviation sector. Environmental aviation in Viet Nam has been improved but Viet Nam should put more effort into dealing with global environmental issues.

2. POSITION

2.1 Vietnamese Government has issued and implemented many environmental policies and strategic measures. It has made the national action plan on climate change. In order to implement the national action plan on climate change, the Ministry of Transport of Viet Nam has made the action plan on climate change in the field of transport including aviation environmental projects and measures.

2.2 A environmental circular on environmental protection in civil aviation sector has been issued by Ministry of Transport of Viet Nam wherein the stakeholders shall implement environmental regulations during their operation.

2.3 Viet Nam also recognizes that aviation environment protection available today is not sufficient to cope with the increase in air traffic without both major advance in technology and implementation via strong, comprehensive policies.

3. NOISE MITIGATION MEASURES

3.1 The following actions have been implemented in Viet Nam:

- plotting of noise contours around airport;
- restriction on aircraft engine ground-run;
- identifying zone for testing aircraft engine to minimize adverse effects on employee and people in airport vicinity; and
- encourage implementing approach route to minimize noise level in local air

4. EMISSION REDUCTION INITIATIVES

4.1 The following actions have been implemented in Viet Nam:

- upgrade improvement on existing aircraft;
- setting or adjusting airway to reduce flying time, fuel burn and CO2 emission;

- restriction on aircraft engine ground-run;
- developing stakeholders' annual plan on environmental protection;
- improve air traffic infrastructures
- planning for using biofuel as alternative to fossil fuel;
- adopting electrical/alternative fuel operated ground vehicles;
- improving public transport system in airports;
- setting efficient transport route of ground vehicles;
- ensuring maintenance schedule to be strictly followed;
- planning for replacing and eliminating chilling facilities using CFCs gas; and
- planning action for aviation and climate change; v.v.

5. **ACTION BY THE MEETING**

5.1 The Assembly is invited to:

- a) note the information contained in this paper;
- b) support Viet Nam to improve authority's capacity of aviation environment, especially the action plan on aviation and climate change.

— END —