



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

### AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP EIGHTEENTH MEETING (APIRG/18) Kampala, Uganda (27 – 30 March 2012)

#### Agenda Item 3: Other Air Navigation Matters

#### STATE'S ACTION PLANS ON CO<sub>2</sub> EMISSIONS REDUCTION ACTIVITIES

*(Presented by the Secretariat)*

SUMMARY
This paper provides a summary of current ICAO activities related to initiatives to assist States in the preparation of action plans on CO <sub>2</sub> emissions reduction activities.
Action by the meeting is in paragraph 4.
<b>REFERENCE(S):</b>
<b>Related ICAO Strategic Objective(s): C</b>

#### 1. INTRODUCTION

1.1 Air transport is a vital element of the global economy that is responsible for the safe and efficient transportation of more than 2.8 billion passengers in 2011. While the current contribution of aviation to total global anthropogenic CO<sub>2</sub> emissions is approximately 2 per cent<sup>1</sup> (of which 60 per cent are from international aviation), the forecasted traffic growth raises questions on the future contribution of international aviation to climate change and on the most effective way to address CO<sub>2</sub> emissions from the sector. This paper provides a summary of current ICAO activities related to initiatives to assist States in the preparation of action plans on CO<sub>2</sub> emissions reduction activities.

#### 2. ASSEMBLY RESOLUTION A37-19

2.1 In October 2010, the 37th Session of the ICAO Assembly adopted Resolution A37-19 on international aviation and climate change. The Resolution includes global aspirational goals for international aviation of improving 2 per cent annual fuel efficiency up to 2050 and stabilizing its CO<sub>2</sub> emissions at 2020 levels. The Resolution “encourages States to submit their action plans outlining their respective policies and actions, and annual reporting on international aviation CO<sub>2</sub> emissions to ICAO”. It also “invites those States that choose to prepare their action plan to submit their plan to ICAO as soon as possible preferably by the end of June 2012 in order that ICAO can compile the information in relation to achieving the global aspirational goals, and the action plans should include information on the basket of

<sup>1</sup> Intergovernmental Panel on Climate Change, “Climate Change 2007: Synthesis Report,” 2007.  
<http://www.ipcc.ch/ipccreports/ar4-syr.htm>

measures considered by States, reflecting their respective national capacities and circumstances, and information on any specific assistance needs.”

### 3. ACTION PLANS

3.1 Compiling an action plan will help States identify gaps in their existing programmes and fine-tune their strategies as they specify the basket of measures they will employ to contribute to the achievement of the global aspirational goals. As a tool, it will allow States to ensure that relevant stakeholders are aware of the planned actions, respective roles and expectations that apply to them.

3.2 The submission of States’ action plans to ICAO is expected to facilitate the consolidation of information related to the achievement of the collective global aspirational goals for the international aviation sector. Receiving the action plans will also assist ICAO in identifying and responding to States’ needs for technical and financial assistance to implement such actions. The importance of the action plans is demonstrated not only by the relevant provisions of Resolution A37-19, but is further highlighted by the responses from individual States.

3.3 ICAO developed, in collaboration with an ad-hoc CAEP expert group composed of States and stakeholders, the document *Guidance Material for the Preparation of States’ Action Plans* to guide States, step-by-step, through the process of preparing and submitting an action plan. A dedicated interactive web-interface was also developed to facilitate the submission of States’ action plans to ICAO. The Committee on Aviation Environmental Protection (CAEP) Steering Group meeting in September 2011 endorsed the guidance material and recommended the use of this website by States to submit their action plans to ICAO.

3.4 Amongst the basket of measures from which States may choose and include in their action plans, e.g. aircraft-related technologies, operational improvements, market-based measures and sustainable alternative fuels, the ICAO Fuel Savings Estimation Tool (IFSET), as discussed in APIRG/18-WP/19, can be used to quantify the expected results from the implementation of operational improvements, as part of the development of States’ action plans.

3.5 In addition, in order to provide practical assistance to States in their preparation of action plans on CO<sub>2</sub> emissions reduction activities, ICAO held six hands-on training workshops in 2011 in Mexico City, Mexico; Bangkok, Thailand; Dubai, United Arab Emirates; Nairobi, Kenya; Paris, France and Montréal, Canada. Over the course of these six workshops, ICAO trained national focal points from over eighty States. After each workshop, the guidance document *Guidance Material for the Preparation of States’ Action Plans* was refined, incorporating comments from national focal points.

3.6 The workshops provided participants – State Action Plan national focal points – with information to enable them to develop their State’s action plan on CO<sub>2</sub> emissions reduction activities. The national focal points are responsible to develop their States’ action plans and submit them to ICAO.

3.7 With a view to encouraging the highest rate of submission of States’ action plans by the end of June 2012, and following the successful hands-on training workshops, the ICAO Secretariat will continue to provide States with the assistance and tools to support them in the preparation and submission of their action plans on CO<sub>2</sub> emissions reduction activities. In this regard, the Air Transport Bureau (ATB) is also working with the Technical Cooperation Bureau (TCB) to provide adequate support to States.

4. **ACTION BY THE MEETING**

4.1 The APIRG is invited to:

- a) continue to consider environmental issues in the planning and implementation of regional air navigation systems;
- b) bring to the attention of the ICAO Secretariat specific areas where additional guidance on environmental benefits would be valuable;
- c) encourage individual States to collaborate with their State Action Plan national focal points for all the operational measures that States wish to develop, implement and/or include in their action plans;
- d) promote the use the ICAO IFSET tool for the quantification of environmental benefits from operational measures, as part of the development of States' action plans;
- e) encourage individual States to coordinate with all the stakeholders in the development of their action plans;
- f) request individual States to inform their State Action Plan national focal points of the availability of further assistance, to be provided by the ICAO Secretariat, related to the preparation and submission of States' action plans; and
- g) note that the ICAO Secretariat will keep PIRGs informed of its future activities and developments related to environmental protection.

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