



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

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**Seventh North American, Central American and Caribbean Working Group Meeting (NACC/WG/7)**

ICAO NACC Regional Office, Mexico City, 29 August - 1 September 2022

**Agenda Item 4: NACC/WG Work Programme Update to 2024**

**4.3 Implementation of mechanisms for measuring the performance of air navigation services**

**STATES' ACTION PLANS (SAP)  
ON CO2 EMISSIONS REDUCTION ACTIVITIES**

(Presented by the Secretariat)

**EXECUTIVE SUMMARY**

This working paper presents the implementation status of the States' action plans (SAP) on CO2 emissions reduction activities for international aviation and makes reference to the basket of measures to limit or reduce emissions from international civil aviation; the paper invites the Meeting to consider both, national actions as well as activities implemented regionally related to the basket of measures, be included during the preparation and/or update of SAPs in accordance with the Consolidated statement of continuing ICAO policies and practices related to environmental protection.

<b>Action:</b>	Suggested actions are presented under Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Air Navigation Capacity and Efficiency</li><li>• Economic Development of Air Transport</li><li>• Environmental Protection</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• ICAO Doc 9988, Guidance on the Development of States' Action Plans on CO2 Emissions Reduction Activities</li><li>• ICAO Environmental Protection web site</li></ul>

**1. Introduction**

1.1 SAPs on CO2 emissions reduction activities are a planning and reporting tool for States to communicate information on their actions to address CO2 emissions from the international civil aviation. The quantification of the information contained in an action plan enables ICAO to compile global progress towards meeting the aspirational goals and enables States to showcase their input.

1.2 A key aspect of successfully developing and implementing an action plan is the degree and nature of collaboration amongst the different stakeholders within a State. These can include, among others, aviation and environmental authorities, airlines and airports, air navigation service providers, statistical departments and fuel providers. Collecting information from these stakeholders and consolidating these inputs into an action plan ensures that the development of the plan is based on a cooperative process and that the measures contained therein are accurate, comprehensive, and feasible to implement.

## 2. Implementation status

2.1 The Tenth North American, Central American and Caribbean Directors of Civil Aviation Meeting (NACC/DCA/10) held in Fort-de-France, Martinique, France, from 21 to 23 June 2022 was informed about the implementation status indicating that, as of June 2022, 128 Member States had voluntarily submitted action plans to ICAO, representing 98% of international aviation traffic. These outcomes indicate the high level of interest and participation in this effort amongst Member States, as well as the positive impact of ICAO's assistance and capacity-building efforts.

2.2 Fourteen of the 22 countries in the NAM and CAR regions have submitted their action plans to ICAO since the launch of the initiative, with only three countries having updated their action plans during the 2020-2022 triennium. Table 1 below lists the States of the NAM/CAR regions that have thus far submitted their SAPs to ICAO. States in the Region that have not yet submitted their SAP to ICAO are invited to prepare it, in order to communicate their long-term strategy on climate change for the international aviation sector. This will also allow for the clear definition of assistance needs in the SAP, which could provide opportunities to access financial support for the implementation of innovative emissions reduction projects, including feasibility studies and pilot projects, etc.

Table 1 — States in the NAM and CAR regions that submitted their SAP to ICAO

Barbados	Dominican Republic*	Mexico
Belize	El Salvador*	Nicaragua
Canada	Guatemala	Trinidad and Tobago
Costa Rica	Honduras	United States*
Cuba	Jamaica	
*States updated their SAP in 2020-2022 triennium		

## 3. Basket of measures to limit or reduce CO<sub>2</sub> emissions from international civil aviation

3.1 While SAPs remain an important tool for communicating climate action national plans for international aviation, they also serve as a key tool for ICAO to assess Member States' progress toward achieving their collective global aspirational goals. Some States have recently developed more concrete long-term strategies and plans to reduce carbon emissions from international aviation with the use of new innovative technologies, operations and sustainable aviation fuels, whilst ICAO has been working on the feasibility of a Long-term aspirational goal (LTAG) for international aviation CO<sub>2</sub> emission reductions.

3.2 The ICAO Doc 9988 “Guidance on the Development of States’ Action Plan on CO2 Emissions Reduction Activities” – Third Edition, 2019, in chapter four provides examples of measures to select to limit or reduce CO2 emissions from international aviation and how to quantify the effects that these measures will have once implemented.

3.3 On a related initiative, the ICAO Global Coalition for Sustainable Aviation was established with the objective of providing a forum of stakeholders to facilitate the development of new ideas and accelerate the implementation of environmental innovative solutions. In the context of the Coalition, ICAO developed the “Tracker Tools” website, where all the latest information on aviation CO2 emissions reduction initiatives is updated from three streams: technology, operations and fuels, as well as on aviation net-zero emissions initiatives. The following websites present said information:

- [Environmental Reports 2022 - ICAO Aviation CO2 Reduction Initiative Trackers](#)
- [In-sector aviation CO2 emissions reduction initiatives - Tracker tool - Operations](#)

#### **4. Action by the Meeting**

- a) encourage those States who have not yet developed or updated their State Action Plan (SAP) with quantified data to develop or update them as soon as possible; and
- b) encourage States to report the implemented mitigation measures through their State Action Plan (SAP) and consider the relevance of a coordinated regional approach.