



WORKING PAPER

**THIRD CONFERENCE ON AVIATION AND ALTERNATIVE FUELS
(CAAF/3)**

Dubai, United Arab Emirates, 20 to 24 November 2023

Agenda Item 1: Scene Setting – Latest developments in cleaner energy technology for international aviation and its contribution to the Long-Term Global Aspirational Goal

OVERVIEW OF ICAO PREPARATORY WORK FOR CAAF/3

(Presented by the ICAO Secretariat)

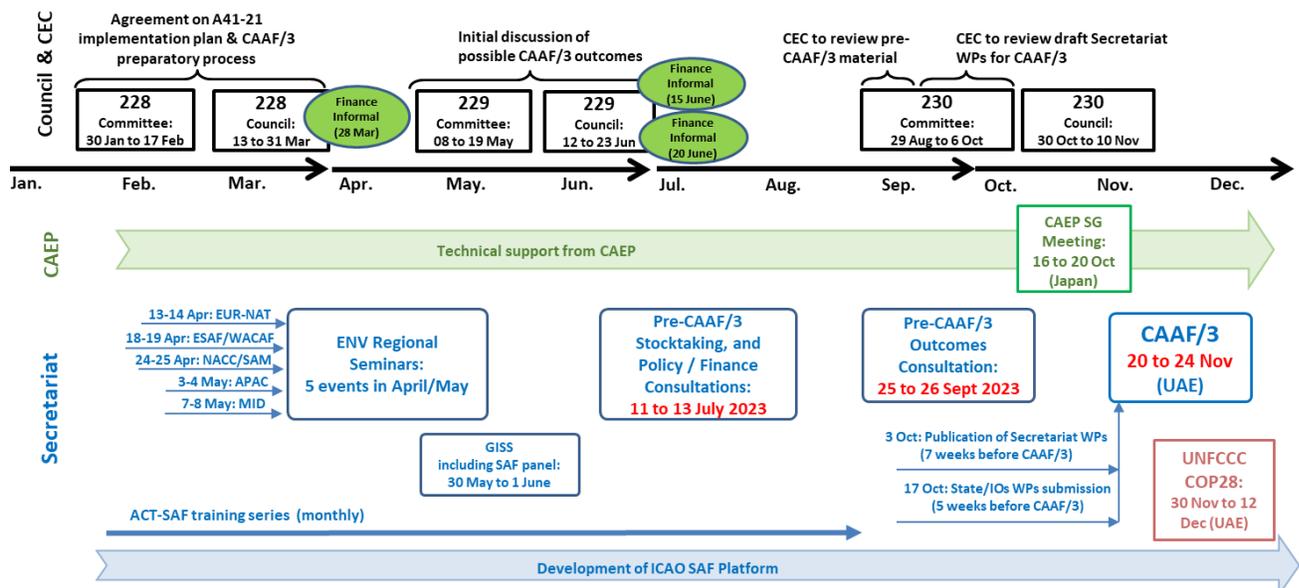
SUMMARY

This paper provides an overview of the ICAO preparatory process and activities toward CAAF/3, including various pre-CAAF/3 consultation events and other outreach activities, as well as the descriptions of building blocks to facilitate the consideration of CAAF/3 outcomes.

Action by the Conference is in paragraph 6.

1. INTRODUCTION

2023 timeline toward CAAF/3



1.1 This paper provides an overview of the ICAO preparatory process and activities toward CAAF/3, including various pre-CAAF/3 consultation events and other outreach activities, as well as the descriptions of building blocks to facilitate the consideration of CAAF/3 outcomes. The overall ICAO process and timeline related toward CAAF/3 in 2023 is illustrated in the Figure above.

2. REGIONAL SEMINARS (APRIL/MAY 2023)¹

2.1 As part of the preparatory activities for CAAF/3, ICAO organized a series of in-person regional seminars in April and May 2023, to raise awareness on the results of the 41st Session of the ICAO Assembly and the progress of work related to sustainable aviation fuels (SAF), lower carbon aviation fuels (LCAF) and other aviation cleaner energies, as well as to exchange views of States on the expectations for CAAF/3, with the following dates and venues:

- a) 13 and 14 April: Regional seminar for EUR/NAT regions (Netherlands);
- b) 18 and 19 April: Regional seminar for ESAF and WACAF regions (Kenya);
- c) 24 and 25 April: Regional seminar for NACC/SAM regions (Dominican Republic);
- d) 3 and 4 May: Regional seminar for APAC region (Thailand); and
- e) 7 to 8 May: Regional seminar for MID region (Egypt).

2.2 According to the agenda, each regional seminar started with an opening and setting-the scene session, followed by the dialogues among States and other participants under the following four topics: 1) supporting policies to promote the development and deployment of cleaner energy for aviation – opportunities and challenges; 2) assistance, capacity-building and training for cleaner energy, including ICAO ACT-SAF programme; 3) financing cleaner energy; and 4) exchange of views on the expectations for CAAF/3. Substantial materials and webpages were developed for participants to support them in better preparing for their engagement during the seminars, including a self-testing questionnaire for the participants.

3. STOCKTAKING AND FIRST PRE-CAAF/3 CONSULTATION (JULY 2023)²

3.1 The ICAO Long-Term Global Aspirational Goal (LTAG) Stocktaking on aviation in sector CO₂ emissions reductions and the first pre-CAAF/3 consultation event was held from 11 to 13 July 2023 in a hybrid format in Montréal, Canada. Building upon the continued success of annual Stocktaking events and in light of Assembly Resolution A41-21, paragraph 9 on the LTAG progress monitoring, the 2023 Stocktaking covered all aviation in-sector CO₂ reduction measures, including the latest developments and innovations from technologies, operations, fuels and cleaner energies, with a focus on fuel-related measures in the lead up to CAAF/3.

3.2 Over 1000 participants registered for the three-day event, where nearly 100 panellists from governments, aviation and energy stakeholders, industry, research institutions, start-up companies and civil society shared their visions, ambitious plans and roadmaps for decarbonizing aviation for energy transition. All the sessions held during the event were moderated by female leaders in aviation.

¹ Regional seminars website: <https://www.icao.int/Meetings/RS2023/Pages/default.aspx>

² ICAO Stocktaking and first pre-CAAF/3 event website: <https://www.icao.int/Meetings/Stocktaking2023/Pages/default.aspx>

3.3 The first pre-CAAF/3 consultation focused on policy and finance matters, with the involvement of public and private financial institutions and other relevant stakeholders, to consider relevant elements of possible CAAF/3 outcomes.

4. **SECOND PRE-CAAF/3 OUTCOMES CONSULTATION (SEPTEMBER 2023)³**

4.1 The second pre-CAAF/3 consultation event was held in Montréal, Canada from 25 to 26 September 2023 in a hybrid format, to undertake consultation among States with a focus on possible CAAF/3 outcomes, seeking convergence of views on as many issues as possible, and identifying remaining differences of views with a possible way forward to bridge them, in order to pave the way for result-oriented discussions at CAAF/3.

4.2 The two-day event was structured based on the CAAF/3 agenda, with the majority of the discussion focused on the consideration of possible CAAF/3 outcomes, including draft ICAO global framework (in accordance with Assembly Resolution A41-21, paragraph 28. F)).

4.3 In this regard, since early 2023, a Small Group for Preparations for CAAF/3, under the Climate and Environment Committee (CEC) of the ICAO Council, had been considering possible CAAF/3 outcomes, including a draft ICAO global framework, taking into account the feedback and input received from various outreach and preparatory activities (see paragraph 5 for more details).

4.4 The possible CAAF/3 outcomes, including a draft ICAO global framework, as the reflection of where the CEC Small Group discussions had reached as at the end of August 2023, were presented to the pre-CAAF/3 outcomes consultation event. In addition, views and inputs on the material were provided by States/Organizations in the form of ‘submissions’, which were also posted on the event website to facilitate the consideration of views and inputs by the event participants in a transparent way.

5. **BUILDING BLOCKS FOR ICAO GLOBAL FRAMEWORK**

5.1 As described above, the Council and its Climate and Environment Committee (CEC), in particular the CEC Small Group for Preparations of CAAF/3, facilitated discussions towards and after the pre-CAAF/3 outcomes consultation event with the support of the Secretariat, by providing a draft structure and ideas for the ICAO global framework, which States and Organizations can consider and provide their views on.

5.2 Substantial progress has been made in developing a draft ICAO global framework, based on the following four building blocks to structure and facilitate discussion of CAAF/3-related topics:

- Building Block 1: Policy and planning;
- Building Block 2: Regulatory framework;
- Building Block 3: Implementation support; and
- Building Block 4: Financing.

5.3 In this regard, with the aim of providing relevant background information and facilitating the discussion and decision-making during the CAAF/3, the following working papers that correspond to the

³ ICAO second pre-CAAF/3 event website: <https://www.icao.int/Meetings/pre-CAAF3/Pages/default.aspx>

CAAF/3 Agenda Items and above-mentioned Building Blocks have been prepared, and are summarized in the table below.

WPs	Titles, Agenda Items (Building Blocks), and Descriptions
CAAF/3-WP/3	<p>Title: Supporting policies to promote the development and deployment of SAF, LCAF and other aviation cleaner energies</p> <p>Agenda Item 2: Supporting policies to promote the development and deployment of cleaner energy for aviation (Building Block 1: Policy and planning)</p> <p>Description: This paper presents various policy approaches by States to promote the development and deployment of Sustainable Aviation Fuels (SAF) and Lower Carbon Aviation Fuels (LCAF) and other aviation cleaner energies, including information from the ICAO guidance, examples of such national policy approaches, as well as the role of State Action Plans and roadmaps to reduce CO₂ emissions from international aviation. It also provides updates on technical certification aspects of aviation fuels.</p>
CAAF/3-WP/4	<p>Title: Metrics and projections for potential quantified goals for cleaner energy for international aviation</p> <p>Agenda Item 2: Supporting policies to promote the development and deployment of cleaner energy for aviation (Building Block 1: Policy and planning)</p> <p>Description: This paper presents possible metrics for potential quantified goals for cleaner energy for international aviation, as well as projections on the global levels of cleaner energy use for international aviation, including technical inputs by the ICAO Committee on Aviation Environmental Projection (CAEP) and other relevant information.</p>
CAAF/3-WP/5	<p>Title: Fuel sustainability certification</p> <p>Agenda Item 2: Supporting policies to promote the development and deployment of cleaner energy for aviation (Building Block 2: Regulatory framework)</p> <p>Description: This paper presents information on ICAO’s work for the sustainability criteria, sustainability certification, and the assessment of life cycle emissions reductions, for Sustainable Aviation Fuels (SAF) and Lower Carbon Aviation Fuels (LCAF), under the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).</p>
CAAF/3-WP/6	<p>Title: Fuel accounting and reporting methodologies</p> <p>Agenda Item 2: Supporting policies to promote the development and deployment of cleaner energy for aviation (Building Block 2: Regulatory framework)</p> <p>Description: This paper presents information on the fuel accounting and reporting methodologies under the CORSIA Monitoring, Reporting and Verification (MRV) system, including the methodology to reduce an aeroplane operator’s offsetting requirements from the use of CORSIA eligible fuels. It also presents possible parameters for fuel accounting and reporting methodologies for international aviation as part of monitoring the LTAG progress.</p>

CAAF/3-WP/7	<p>Title: Assistance and capacity building for cleaner energy</p> <p>Agenda Item 3: Assistance and capacity building for cleaner energy (Building Block 3: Implementation support)</p> <p>Description: This paper presents possible means of providing implementation support for the development and deployment of cleaner energy for aviation, building upon the ICAO Assistance, Capacity-building and Training programme, such as the exchange of information and best practices through a platform, supporting the delivery of feasibility studies, and facilitating partnerships and cooperation, as well as support under the ICAO State Action Plans initiative.</p>
CAAF/3-WP/8	<p>Title: Financing cleaner energy</p> <p>Agenda Item 4: Financing cleaner energy (Building Block 4: Financing)</p> <p>Description: This paper presents information on ICAO’s work to facilitate access to financing to aviation cleaner energy, including through dialogues with financial institutions, energy producers and States and their key findings, and relevant ICAO resources to support financing.</p>
CAAF/3-WP/9	<p>Title: ICAO global framework for aviation cleaner energies</p> <p>Agenda Item 5: Reviewing the 2050 ICAO Vision for SAF, including LCAF and other cleaner energy for aviation, in order to define a global framework (Building Blocks 1 to 4)</p> <p>Description: This paper proposes possible outcomes of the CAAF/3, including draft ICAO global framework, for consideration by the conference.</p>

6. ACTION BY THE CAAF/3

6.1 The CAAF/3 is invited to:

- a) consider information in this paper regarding the overview of the ICAO preparatory process and activities toward CAAF/3, including various pre-CAAF/3 consultation events and other outreach activities, as well as the descriptions of building blocks to facilitate the consideration of CAAF/3 outcomes; and
- b) use general information contained in this paper, as well as specific information contained in other CAAF/3-WPs 3 to 9, for consideration of CAAF/3 outcomes.

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