



WORKING PAPER

CONFERENCE ON AVIATION AND ALTERNATIVE FUELS

Mexico City, Mexico, 11 to 13 October 2017

Agenda Item : All

ANNOTATED AGENDA

(Presented by the ICAO Secretariat)

Provisional agenda

- 1: Developments in research and certification of aviation alternative fuels;
- 2: Financing and assistance programmes for aviation alternative fuels;
- 3: Challenges and policy making; and
- 4: Defining the ICAO vision on aviation alternative fuels and future objectives

1. INTRODUCTION

1.1 Background

1.1.1 The First ICAO Conference on Aviation and Alternative Fuels (CAAF), held in November 2009, endorsed the use of sustainable aviation fuels as an important means of reducing aviation emissions and established the ICAO Global Framework for Aviation Alternative Fuels (GFAAF), an online database which compiles information related to aviation alternative fuels.

1.1.2 ICAO's work in this area responds to Resolution *A39-2: Consolidated statement of continuing ICAO policies and practices related to environmental protection – climate change*, which reaffirms the need for alternative fuels to be developed and deployed in an economically, socially and environmentally acceptable manner.

1.2 Objective

1.2.1 The 39th Session of the Assembly also welcomed the convening of a second Conference on Aviation and Alternative Fuels (CAAF2), with the objective of developing an ICAO Vision on Aviation Alternative Fuels. This Vision will encourage States to take action at national and international levels to further develop and deploy sustainable aviation fuels.

2. **AGENDA ITEM 1: DEVELOPMENTS IN RESEARCH AND CERTIFICATION OF AVIATION ALTERNATIVE FUELS**

2.1 **Background:** The Conference will be informed of the current types of sustainable aviation fuels certified for use, in use at different world airports, and deployment projects foreseen for the near future.

2.2 **Research status:** The status of research on new types of sustainable aviation fuels will also be described, including new pathways and feedstock under evaluation for sustainable aviation fuels production. The Conference will also be informed of the potential air quality benefits from sustainable aviation fuels, such as from their reduced particulate matter (PM) emissions, as well as recent research on the impact of sustainable aviation fuels on contrail formation.

2.3 **Certification outlook:** The Conference will also be informed of the technical certification schemes being used to ensure that aviation alternative fuels comply with the required characteristics for use in existing aircraft, as well as the sustainability certification schemes for sustainable aviation fuels.

2.4 **Collaboration between States:** The Conference will consider possible means to implement collaborative initiatives among states, in order to foster technology and feedstock trade. This will include means to foster research collaborations on new pathways and certification, in order to encourage further development and deployment on sustainable aviation fuels.

The Conference will be invited to, inter alia: Encourage research on new pathways for sustainable aviation fuels production. Encourage States to take action for increasing the feedstock volume available for use in sustainable aviation fuels production in a sustainable manner. Support the certification of future pathways. Support deployment projects foreseen for the near future. Promote collaborative initiatives among States. Encourage the identification of business and policy models that could be used to promote investment in sustainable aviation fuels.

3. **AGENDA ITEM 2: FINANCING AND ASSISTANCE PROGRAMMES FOR AVIATION ALTERNATIVE FUELS**

3.1 **Background:** The Conference will be informed of the current initiatives and programmes in place, and the barriers for the deployment of sustainable aviation fuels;

3.2 **Assistance programmes:** The Conference will be informed of the status and results from the ICAO assistance programmes and feasibility studies funded by the EU and UNDP. The Conference will consider the means, including public private partnerships, to encourage the building of capacity to enhance the development and deployment of sustainable aviation fuels.

3.3 **Carbon Market:** The Conference will be informed of the possible generation of carbon credits from financial investments to projects related to development and deployment of alternative fuel, including for sustainable aviation fuel.

3.4 **Scaling up:** The Conference will consider possible actions to foster scaling up the production and use of sustainable aviation fuels, such as through public-private partnerships.

The Conference will be invited to, inter alia: Encourage the identification of new financial sources, as well as business and policy models for the development, deployment and scaling-up of sustainable aviation fuels. Foster the development of partnerships and financial support, including public private

partnerships, to build capacity and promote the use of sustainable aviation fuels. Encourage a holistic approach which should include the mobilization of multiple agencies within, and between States to develop and implement sustainable aviation fuel initiatives.

4. **AGENDA ITEM 3: CHALLENGES AND POLICY MAKING**

4.1 ***Alternative Fuels in CORSIA:*** The Conference will be provided with information on how CO₂ emission reduction benefits from the use of sustainable aviation fuels will be accounted for, as an means to reduce offsetting requirements under the ICAO Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), as well as the associated sustainability criteria. The Conference will be informed of the relevant work being conducted within the ICAO Committee on Aviation Environmental Protection (CAEP), including the work on life cycle emission values for sustainable aviation fuels and sustainability criteria.

4.2 ***Alternative Fuels and Aspirational Goals:*** The Conference will discuss the role of sustainable aviation fuels in the context of the ICAO global aspirational goals and the UN Sustainable Development Goals (SDGs), highlighting the contribution of all elements of the ICAO basket of measures to reduce international civil aviation CO₂ emissions, and the potential for sustainable aviation fuels toward the achievement of these goals.

4.3 ***Alternative Fuels Policies:*** The Conference will be informed about alternative fuel policies currently in place, not only in the aviation but in other transportation sectors. In addition, the Conference will consider policy means to achieve a level playing field for the use of such fuels between aviation and other transportation sectors, and to the extent possible, prioritize the use of these fuels in the aviation sector.

The Conference will be invited to, inter alia: Agree on recommendations in terms of best practices for the development and deployment of sustainable aviation fuel, aiming at prioritizing the use of such fuel in the aviation sector or, at a minimum, guaranteeing a level playing field between aviation and other transportation sectors. Also agree on recommendations on the role of sustainable aviation fuels in the context of the ICAO global aspirational goals for international aviation.

5. **AGENDA ITEM 4: DEFINING THE ICAO VISION ON AVIATION ALTERNATIVE FUELS AND FUTURE OBJECTIVES**

5.1 While recognizing the achievements made to date to advance the development and deployment of sustainable aviation fuels, acknowledging the current state of the aviation sector in this regard, and taking into account the outcome of the Organization's work in this area and the discussions undertaken during the previous agenda items, the Conference will consider an ICAO Vision on Aviation and Alternative Fuels. This Vision is expected to serve as a global framework for action by ICAO Member States and the aviation industry, on the future of sustainable aviation fuels.

The Conference will be invited to, inter alia: Agree on an ICAO Vision on Aviation Alternative Fuels, which will encourage States to take action at national and international levels to foster partnerships, build capacity and further develop and deploy sustainable aviation fuels. Agree on future steps needed to foster the deployment of sustainable aviation fuels by ICAO and its Member States.