

**59th CONFERENCE OF
DIRECTORS GENERAL OF CIVIL AVIATION
ASIA AND PACIFIC REGIONS**

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AGENDA ITEM 7: AVIATION AND ENVIRONMENT

**SUSTAINABLE AVIATION COURSE: ENHANCING
AWARENESS, BUILDING CAPACITY**

Presented by the Philippines

INFORMATION PAPER

SUMMARY

The Civil Aviation Training Center, the training arm of the Civil Aviation Authority of the Philippines, has developed a course that aims to provide participants with an overview of the environmental impacts of air transport and how it can be mitigated. It will afford participants a working knowledge of the different strategies, latest trends, and updates in the aviation sector's response to environmental issues. This enhanced awareness is seen to bolster the capacity of aviation stakeholders in achieving sustainable operations.

SUSTAINABLE AVIATION COURSE: ENHANCING AWARENESS, BUILDING CAPACITY

1. INTRODUCTION

1.1 The activities of the aviation industry have been shown to impact the environment. From air, water, and waste pollution to energy consumption and its effects on biodiversity, the impact of aviation on the environment is wide-ranging. As one of the primary drivers of the local and global economy, air transport activities show no signs of slowing down. A balance between progress and environmental protection needs to be achieved.

1.2 One of ICAO's strategic objectives of environmental protection seeks to make the aviation industry responsive to this challenge. With this strategic objective, ICAO aims to "minimize the adverse environmental effects of civil aviation activities" as it pursues its mission of supporting and enabling the global air transport network.

1.3 In support of this strategic objective, while being an ICAO Member State and a signatory to the Paris Climate Agreement, the Philippines through the Civil Aviation Authority of the Philippines (CAAP) has initiated and instituted policies to engender sustainable aviation in the country. The efforts range from developing a Safety Action Plan to spearheading efforts to establish policy on sustainable aviation fuels, to name a few.

1.4 The success of the CAAP's environmental protection and sustainability initiatives necessitates understanding how the aviation industry affects the environment. There also needs to be an appreciation for how these impacts are mitigated. A training course on sustainable aviation concepts and practices addresses this gap in knowledge, skills, and attitude. With this training, aviation stakeholders are capacitated to play an active role in establishing and maintaining a sustainable aviation industry in the Philippines.

2. DISCUSSION

2.1 In close coordination with the CAAP's Strategic Planning Division under the Corporate Planning Department of the Office of the Director General, the CATC set out to develop the Sustainable Aviation Course. Referencing the ICAO Eco-Airports guidance materials, the main topics for the course were identified. Working closely with subject matter experts from the Authority and other aviation stakeholders, the course was designed to take sustainability concepts in aviation and their implications to the local context. The Sustainable Aviation Course is hoped to foster and strengthen a mindset among stakeholders that prioritizes sustainable practices in aviation operations that will help us achieve a "green Philippines sky".

2.2 The Sustainable Aviation Course is a 5-day course that will tackle topics ranging from the regulatory and legislative basis for sustainable aviation operations to environmental management systems concepts as a vehicle to maintain sustainable practices. It will delve into the concepts of global warming and climate change. It will discuss how air transport activities affect the environment and how climate change will, in turn, impact the aviation industry. Moreover, it will also cover the various mitigation strategies tackling the most pressing sources of pollution in the aviation sector, such as carbon and energy management, waste management, water management, noise reduction, air quality management, and biodiversity management.

2.3 The training is meant to build the capacity of representatives from civil aviation stakeholders with responsibilities for the formulation, implementation, and oversight of sustainability policies, programs, and or activities in their organizations. The course is particularly useful for aerodrome planners, managers, operators, as well as regulatory authorities including inspectors and policymakers. Prospective participants must have basic technical aeronautical knowledge and a minimum of two years of experience in different sectors of aviation

- 2.4 Upon successful completion of this course, participants will be able to:
- a. Explain the rationale, objective, and implications of sustainable air transport
 - b. Describe the environmental impacts of air transport
 - c. Describe climate change mitigation strategies and evaluate the importance of climate change mitigation as an environmental issue in air transport
 - d. Examine how aviation stakeholders can adopt measures that promote sustainable operations
 - e. Demonstrate general awareness of EMS for airports, its benefits, and the importance of achieving sustainable aviation operations

2.5 Looking forward to future initiatives, the Sustainable Aviation Course serves as a precursor to a suite of training courses focused on promoting, establishing, and maintaining sustainable operations in the aviation industry.

3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to note the information contained in this Paper.

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