

**58th CONFERENCE OF
DIRECTORS GENERAL OF CIVIL AVIATION
ASIA AND PACIFIC REGIONS**

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AGENDA ITEM 7: AVIATION AND ENVIRONMENT

**ASEAN GUIDELINE ON AIRPORT ENVIRONMENTAL
MANAGEMENT SYSTEM (AIRPORT EMS) REVIEW**

(Presented by Thailand and Indonesia)

INFORMATION PAPER

SUMMARY

ASEAN established the regional approach on managing the environment of airports namely ASEAN guideline on airport environmental management system (AIRPORT EMS). The paper presents the views of Thailand and Indonesia on the ASEAN Guideline on AIRPORT EMS.

ASEAN GUIDELINE ON AIRPORT ENVIRONMENTAL MANAGEMENT SYSTEM (AIRPORT EMS) REVIEW

1. INTRODUCTION

1.1 Airport operations can contribute to various environmental pollutions such as solid waste, air pollutants, and aircraft noise. These negative effects can affect not only the airport's surroundings but also the wider environment. Additionally, a larger airport can result in larger energy consumption and greenhouse gas emissions, making it essential to adopt sustainable practices and effectively manage and mitigate environmental concerns to preserve the natural surroundings and foster positive relationships with the community. This approach is vital for ensuring the sustainability of our operations and cultivating a favorable image among stakeholders.

1.2 To this end, the International Civil Aviation Organization (ICAO) has developed a valuable resource called the "Eco Airport Toolkit: An Environmental Management System for Airports." An organized methodology and framework for systematically identifying and managing significant environmental aspects of aviation operations are provided by this toolkit. Numerous organizations, including airports, airlines, manufacturers, and governmental organizations, have proven its effectiveness.

1.3 More than 300 airports in the ASEAN region follow a framework for environmental impact assessments, and around 10% of them have an Environmental Management System (EMS) in place. The ASEAN Transport Working Group (ATWG) is creating a customized airport environment management tool to enhance effective and systematic environmental management in order to improve their environmental performance.

1.4 The "ASEAN Guideline on Airport Environmental Management System" or "AIRPORT EMS" was then successfully realized in 2022. The ASEAN Transport Ministers (ATM) approved it as the ASEAN standard.

1.5 The tool is being introduced by Thailand and Indonesia as the pioneers in improving airport environmental management. As of 2023, they have started communicating with the public and determining which regional airports are ready to integrate this airport EMS. Additionally, the studies have been conducted in tandem to improve and develop the AIRPORT EMS specification.

2. DISCUSSION

From the analysis of the AIRPORT EMS guideline, the implementation of the AIRPORT EMS system would benefit the airport in these areas:

2.1 Effective management and preparation.

Environmental management recommendations will be given to the airport operator. The airport's top management will simultaneously play the role of supporting these efforts by providing the necessary resources, operational policies, employee participation, etc., which form an essential component of the airport's overall effective management, not only in terms of the environment.

2.2 Prevention of conflict between environment and safety.

AIRPORT EMS has set concerns about managing the environment that may affect safety by always giving priority and importance to safety, ensuring that safety operations under the frameworks will be maintained at the highest.

2.3 Assurance of adherence to environmental regulatory compliance.

Since AIRPORT EMS encourages legal compliance while lowering the risk of breaking the law, airport operators will be aware of the environmental regulations.

2.4 Reducing the risk of conflicts with the public.

The airport shows its commitment to the environment and the local community by offering channels for receiving of complaints and procedures for dealing with objections in an efficient manner. It will lessen the possibility of conflicts with the public at large and assist the airport in quickly resolving issues.

2.5 Strengthen confidence in airport environmental protection.

By following the AIRPORT EMS requirements, the airport will enhance management overall. Protective control of environmental actions and deficiencies will be reviewed and corrected on a regular basis, ensuring the airport's operational performance and environmental protection outcomes.

3. ACTION BY THE CONFERENCE

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

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