



ICAO

International Civil Aviation Organization

**Tenth Meeting of the ICAO Asia/Pacific Search and Rescue
Work Group (APSAR/WG/10)**

Siem Reap, Cambodia, 27 – 30 May 2025

Agenda Item 4: Asia/Pacific and Inter-regional SAR Planning, Coordination and Cooperation

**INTERNATIONAL SEMINAR ON IMPLEMENTING THE GLOBAL AERONAUTICAL
DISTRESS AND SAFETY SYSTEM (GADSS) IN INDONESIA**

(Presented by Indonesia)

SUMMARY

This paper provides an overview of the international seminar hosted jointly by the Indonesian National Search and Rescue Agency (BASARNAS) and the Indonesian Aviation Polytechnic (PPI Curug) on 7 August 2024. The seminar focused on the implementation strategies of the Global Aeronautical Distress and Safety System (GADSS) in Indonesia, and included participation from key international stakeholders.

1. INTRODUCTION

1.1 The Global Aeronautical Distress and Safety System (GADSS), mandated by ICAO for global implementation by 2025, is designed to improve the tracking, alerting, and search and rescue (SAR) response for aircraft in distress.

1.2 In anticipation of this mandate, BASARNAS, in collaboration with PPI Curug, convened an International Seminar on 7 August 2024 in Tangerang, Indonesia. The event gathered ASEAN members, policymakers, regulators, operators, SAR practitioners, and aviation professionals to explore the technical, operational, and regulatory aspects of implementing GADSS in Indonesia.

2. DISCUSSION

Seminar Objective

2.1 In line with ICAO's global roadmap for GADSS implementation by 2025, Indonesia has taken proactive steps to enhance readiness through collaborative efforts and knowledge-sharing platforms. The seminar held in August 2024 served as a strategic forum to foster dialogue among domestic and international stakeholders, address implementation challenges, and explore opportunities for regional cooperation in aviation safety and search and rescue (SAR).

2.2 The seminar was held in a hybrid format and attended by over 3,350 participants, including approximately 350 in person and 3,000 online. It featured keynote addresses and panel discussions by representatives from ICAO Asia/Pacific Regional Office, the Australian Maritime Safety Authority (AMSA), and Indonesian agencies including BASARNAS, AirNav Indonesia, and the Directorate General of Civil Aviation (DGCA).

2.3 To guide the discussions and align stakeholder expectations, the seminar was structured around several clear objectives, including to:

- a) provide a comprehensive understanding of GADSS and its components;
- b) discuss regulatory and technical aspects of implementing GADSS in Indonesia;
- c) share best practices and experiences from other countries and regions;
- d) identify challenges and opportunities related to GADSS implementation; and
- e) foster collaboration among stakeholders for effective implementation of GADSS.

2.4 The seminar featured a range of sessions and panel discussions covering key thematic areas relevant to GADSS, such as:

- a) Trends and future challenges in global aviation safety (ICAO Asia/Pacific Regional Office);
- b) Preparing for implementing GADSS from aspect regulation and technical in Australia (AMSA Australia);
- c) Recent developments in GADSS technology and its applications in the aviation industry (BASARNAS);
- d) Alerting Service (AirNav Indonesia);
- e) Training and certification standards for aviation personnel in handling emergency situations (DGCA); and
- f) BASARNAS' efforts to enhance aviation safety through the implementation of GADSS (BASARNAS).

Seminar Outcome

2.5 The seminar proved to be a significant and timely platform for introducing and socializing the latest developments related to the GADSS. Many participants, particularly from domestic agencies and regional aviation stakeholders, expressed that the sessions greatly enhanced their understanding of the system's scope, objectives, and operational mechanisms. For several attendees, it was their first in-depth exposure to GADSS as a comprehensive safety framework, making the seminar a valuable opportunity to bridge knowledge gaps and promote shared awareness of upcoming global aviation standards.

2.6 Moreover, the seminar facilitated critical discussions on the key challenges Indonesia and other States may face in the near future as they prepare for GADSS implementation by 2025. Presentations and panel dialogues highlighted the importance of establishing clear and adaptive regulatory frameworks, investing in compatible tracking and alerting technologies, and strengthening human resources through training, certification, and inter-agency coordination. These strategic components were widely recognized as essential pillars to ensure that GADSS implementation is not only compliant but also operationally effective.

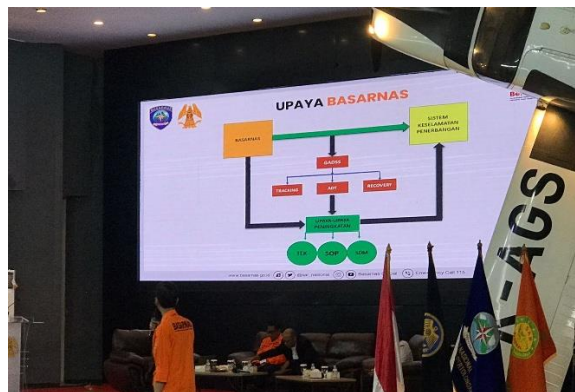
2.7 As an outcome, the seminar succeeded in building a common understanding among participants regarding the urgency and complexity of GADSS integration, it also generated momentum for increased inter-agency coordination. A key takeaway from the event was the need to formulate a national roadmap for GADSS readiness, integrating regulatory, technical, and operational elements across civil aviation and SAR sectors. The seminar outcomes will serve as a reference for policy formulation, operational planning, and future capacity-building programs in support of GADSS.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information contained in this paper.

— — — — —

SAR SEMINAR DOCUMENTATION



– END –