

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

*Cebu, Philippines
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AGENDA ITEM 4: AIR NAVIGATION

**ICAO LICENSING FOR AERONAUTICAL INFORMATION
SPECIALIST**

(Presented by Philippines, Civil Aviation Authority of the Philippines)

SUMMARY

The Aeronautical Information Specialist License introduces professionalism and standardization in aeronautical information management. By instituting ICAO licensing for Aeronautical Information Specialist, it aims to enhance proficiency and ensure competency, thereby improving safety and efficiency in aviation. This initiative establishes structured requirements and rigorous examinations to equip specialists with the necessary skills for managing critical aeronautical data. Adherence to standardized practices and continuous professional development will cultivate a qualified workforce committed to upholding accuracy and reliability in aeronautical information dissemination, benefiting the aviation industry as a whole.

PROPOSAL FOR AN AERONAUTICAL INFORMATION SPECIALIST LICENSE

1. INTRODUCTION

1.1 Personnel Licensing is described as a system of standards, processes and procedures aimed to ensure that personnel undertaking safety related tasks in civil aviation (pilots, air traffic controllers, aircraft maintenance engineers, etc.) are competent to perform their tasks to the prescribed standard.

1.2 Aeronautical Information Specialists are key personnel responsible to acquire, collect, analyze, evaluate, verify, compile, select, prepare and manage aeronautical data for dissemination in regular or special reports and publications of aeronautical information on navigation and related aeronautical operations critical to aviation safety.

1.3 The evolution of air navigation modernization and information technology resulted to the increased use of various forms of aeronautical data and aeronautical information easily and conveniently made available in a timely manner to pilots and airmen in the aircraft cockpit, in aircraft maintenance workshops, aeronautical service stations, airports, aircraft parts manufacturing, aeronautical research and design, etc.

1.4 The adoption of Amendment 43 to Annex 15, which introduces the Competency-Based Training and Assessment (CBTA) approach, marks a significant milestone in the evolution of aeronautical information management practices, and it promotes standardization and consistency. CBTA establishes a standardized framework for assessing and measuring competency levels across individuals within the aeronautical information management sector. By defining clear competency requirements and assessment criteria, CBTA helps promote consistency and uniformity in training standards, ensuring that all specialists meet a common level of proficiency.

1.5 In light of the importance of their role, it is hereby proposed that aeronautical information specialists comply to ICAO licensing requirements which aims to enhance professionalism, competence, and standardization within this specialized field, as they are regarded as competent to perform their tasks to the prescribed ICAO standards

2. DISCUSSION

2.1 Need for a Specialized License

In terms of compliance to safety and regulatory, Aeronautical Information Specialists play a critical role in managing and disseminating aeronautical information that directly impacts flight operations and safety. By establishing a dedicated license for these specialists, regulatory authorities can ensure that individuals performing such vital tasks have met specific competency standards and requirements to uphold aviation safety regulations.

Aeronautical Information Specialists possess unique skills and knowledge related to the collection, processing, and dissemination of aeronautical data, including NOTAMs, charting, electronic Aeronautical Information Publication (eAIP), electronic Terrain and Obstacle Data (eTOD), Aerodrome Mapping Database (AMDB), and other relevant components. A dedicated license recognizes the specialized expertise required to perform these duties effectively and ensures that individuals have undergone appropriate training and certification to fulfill their responsibilities competently.

A dedicated license for Aeronautical Information Specialists promotes consistency and standardization in the quality of aeronautical information services provided across different regions and organizations. By establishing uniform licensing requirements and criteria, regulatory authorities can maintain a high level of accuracy and reliability in the management and dissemination of aeronautical

data.

2.2 Proposed Licensing Criteria

The criteria for the Aeronautical Information Specialist License aim to establish clear and rigorous standards for individuals seeking to demonstrate their competence and professionalism in the field of aeronautical information management. By defining specific education, training, experience, skills, competencies, professional development expectations, ethical standards, and assessment requirements, regulatory authorities can ensure that licensed specialists have the necessary qualifications and capabilities to perform their duties effectively and contribute to enhancing aviation safety and efficiency.

2.3 Training and Professional Development Programs (refer to ICAO Doc 9991; AIM Training Manual)

Aeronautical Information Specialists play a critical role in the provision of accurate and timely aeronautical information essential for safe and efficient air navigation. The integration of Competency-Based Training and Assessment (CBTA) into the licensing process for Aeronautical Information Specialists brings about several key benefits and considerations.

Implementing CBTA represents a positive step towards enhancing the professionalism, competency, and standardization of specialists in the field. By incorporating CBTA into the licensing process, regulatory authorities can establish a robust framework for evaluating and certifying Aeronautical Information Specialists, ultimately contributing to the safety, efficiency, and reliability of aeronautical information services in the aviation industry.

2.4 Industry Support and Stakeholder Engagement

The industry support and stakeholder engagement are essential components of aeronautical information specialist licensing programs. By working closely with industry partners, regulatory bodies, and other stakeholders, licensing authorities can ensure that licensing requirements are robust, relevant, and aligned with industry standards. Through collaboration and communication, industry stakeholders can contribute valuable insights, expertise, and feedback that help shape licensing programs and promote the continuous professional development of aeronautical information specialists. By fostering strong industry support and stakeholder engagement, licensing authorities can enhance the quality, effectiveness, and relevance of licensing programs, ultimately contributing to the safe and efficient provision of aeronautical information products and services.

3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to:

- a) study respective Aeronautical Information Management / Service Systems and consider the current status of aeronautical information use in their FIRs;
- b) provide support and guidance to the Civil Aviation Authority of the Philippines as it develops its ICAO Licensing Program for its Aeronautical Information Specialists;

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