



TWELFTH AIR NAVIGATION CONFERENCE

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Agenda Item 3: Interoperability and data – through globally interoperable system-wide information management (SWIM)

3.3: Service improvement through digital AIMt

THE REPUBLIC OF KOREA'S AERONAUTICAL INFORMATION MANAGEMENT (AIM) TRANSITION PLAN AND CURRENT STATUS

(Presented by the Republic of Korea)

1. INTRODUCTION

1.1 The 36th Session of the ICAO Assembly recognized that to satisfy new requirements arising from the Global ATM Operational Concept, aeronautical information service (AIS) should transit to the broader concept of aeronautical information management. In line with this, ICAO requested its Member States to develop an AIM environment to provide high quality real time information to react efficiently in a dynamic airspace environment.

1.2 In this regard, the Republic of Korea has established and is in the progress of implementing the phased national AIM transition plan. This paper presents the AIM transition plan of the Republic of Korea and its current status.

2. ESTABLISHMENT OF AIM IMPLEMENTATION PLAN

2.1 In December 2009, the Republic of Korea established the national AIM Implementation Plan after an in-depth study and research. The current AIM regulations and guidance material were thoroughly reviewed, cases of other Member States and international organizations were studied, existing national AIS organizations and systems were analyzed by conducting a series of heavy activities including interviews and on-site visits.

2.2 Based on the ICAO AIM Roadmap, the Republic of Korea developed the phased transition and implementation plan with the timeframe from 2010 to 2016 and detailed information for each phase is as follows.

2.2.1 ***Phase 1: 2010 – 2012***

- a) Electronic Aeronautical Information Publication (e-AIP): developed in 2010.
- b) Electronic/Digital NOTAM (e-NOTAM): developed in 2011.
- c) Electronic Pre-flight Information Bulletin (e-PIB): 2012 (on going).

2.2.2 ***Phase 2: 2013 – 2014***

- a) Electronic Aerodrome Mapping Data Base (e-AMDB): initiate in 2013.
- b) Electronic Terrain and Obstacle Data (e-TOD) and weather information: initiate in 2014.

2.2.3 ***Phase 3: 2015 – 2016***

- a) Integration and transition test: initiate in 2015.
- b) Overall operation: initiate in 2016.



3. **AIM IMPLEMENTATION STATUS**

3.1 The Electronic Aeronautical Information Publication (e-AIP) test version was developed in 2010 and is currently providing information on the internet website as demonstration.

3.2 In 2011, Electronic NOTAM (e-NOTAM) based on AIXM 5.1 was developed and running trial operations domestically at present.

3.3 The full development of Electronic Pre-flight Information Bulletin (e-PIB) and complete systems (e-AIP, e-NOTAM, e-PIB) will be integrated by the end of 2012.

4. **FUTURE AIM IMPLEMENTATION PLAN**

4.1 For a development of the electronic Aerodrome Mapping Data Base (e-AMDB) in 2013, a discussion on integration and use of the current airport's database between airport operators, stakeholders and related organizations are under way. Furthermore, plans to implement the electronic terrain and obstacle data and weather information will be initiated in 2014. All developed AIM systems will be integrated and in operational trial in 2015 and full migration to the digital environment in the Republic of Korea will be ready from the year 2016.

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