



International Civil Aviation Organization

**FOURTEENTH MEETING OF THE ASIA/PACIFIC
METEOROLOGICAL INFORMATION EXCHANGE WORKING GROUP
(MET/IE WG/14)**

Bangkok, Thailand, 7 – 9 March 2016

Agenda Item 5: Quality control, monitoring and management of meteorological information exchange

**THE QUALITY IMPROVEMENT AND DISCLOSURE OF AERONAUTICAL
METEOROLOGICAL INFORMATION**

(Presented by the Republic of Korea)

SUMMARY

This paper seeks to explain our plan to improve the quality of aeronautical meteorological information and gradually allow public access to more reliable information without charge.

1. INTRODUCTION

1.1 According to the ICAO Annex 3, Chapter 8 and Appendix 7, aeronautical meteorological information should be provided to aeronautical users in order for them to schedule their flights, which is vital for their safety.

1.2 Through the quality management of aeronautical meteorological information, we produce varied aeronautical meteorological statistics, and often offer them as resources for research and development.

1.3 Also, we will gradually allow public access to quality-controlled reliable information free of charge, in line with a national agenda of the South Korean government “Government 3.0”, which aims to boost opening and sharing information to the public and communication and collaboration.

2. DISCUSSION

2.1 The Aviation Meteorological Office (AMO) has established the Aviation Meteorological Integrated Information System (AMIS), which produces, stores and distributes both domestic and foreign aeronautical meteorological information (2013-2015). By utilizing the system, all the meteorological information provided by AMO is stored in this integrated database, creating the basis for disclosing and sharing the collected information.

2.2 In order to improve the quality of the information and its user-friendly disclosure, we consulted experts about overall performance of the integrated database for the objective diagnosis of quality.

- Diagnostic elements: Data Valve, Structure, Standards, DB Performance, Management Systems; and
- Results: the integrated database falls short of the standard required for joint use and the basis for history management

2.3 We plan to proceed with the project this year in order to improve the noted problems, through which we will systematically establish the basis of the data management and secure the reliability of aeronautical meteorological information.

- we plan to correct errors inherent in the system and develop a monitoring program to improve the reliability of the database;
- we have decided to develop a standardized guide and glossary for more consistent data design and management;
- we will establish a joint management system of standard data structure based on the data quality management guidelines.

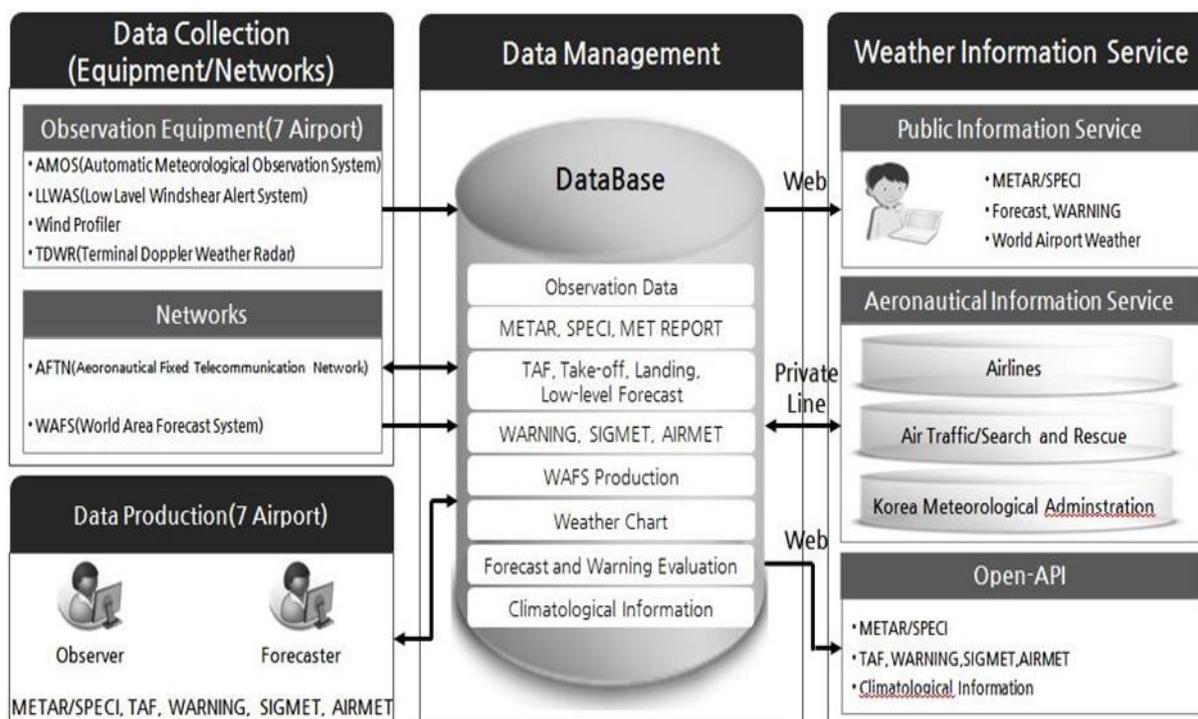


Fig. 1 AMIS conceptual diagram

2.4 We will release to the public METAR, TAF, Aeronautical Meteorological Warnings, and Aeronautical Meteorological statistics, which will be produced by AMO this year, on its website (<http://amo.kma.go.kr>), and expand a user-focused free disclosure of aeronautical meteorological information to offer an opportunity to create new added-value.