

International Civil Aviation Organization

ICAO

INFORMATION PAPER**Tenth Meeting of the Asia/Pacific Meteorological Requirements Working Group (MET/R WG/10)**

Virtual Meeting (Online), 24 – 28 May 2021

Agenda Item 5 : Coordination between MET and ATM services**ATM-TAILORED MET INFORMATION AND SERVICES IN THE REPUBLIC OF KOREA**

(Presented by the Republic of Korea)

SUMMARY

This paper presents on ATM-tailored MET information and services currently provided by the Aviation Meteorological Office (AMO) of the Republic of Korea for the safe aircraft operation and the efficient air traffic flow. We hope the following matters will be updated and applied to the guidance amendment.

1. INTRODUCTION

1.1 The Aviation Meteorological Office (AMO) of the Korea Meteorological Administration (KMA) works 24 hours a day at the Air Traffic Control Center (ATCC) to support decision-making for ATFM. The AMO participates in the CDM to provide significant weather information for domestic and foreign airports, airspace and air routes.

2. DISCUSSION**ATM-tailored MET Information and Services****2.1 CDM Meeting**

The ATCC regularly holds a CDM meeting once a day (0700 UTC). At the meeting, the AMO provides a weather briefing to the CDM members. Whenever a weather event that may have a significant impact on aircraft operation occurs, or is expected to occur within a few hours, a non-regular CDM meeting will be held and the AMO will provide a weather briefing.

2.2 Weather Analysis (Meteorological Information) to Support ATFM

The AMO provides weather analysis twice a day (0000 and 0700 UTC) to support ATFM. The format of the analysis has changed in November 2020, in cooperation with the Ministry of Land, Infrastructure and Transport (MOLIT). The analysis offers quantitative figures to strengthen the support for decision-making for ATFM.

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2.3 Significant Weather Scenarios

When a typhoon, heavy snow, or low visibility, which has a significant impact on ATFM, is expected to occur, the AMO provides weather scenarios with the aim of supporting not only ATFM but also flight decisions of airlines and airport operations.

2.4 Weather Briefing for ATCC and ACC

The AMO provides a weather briefing for ATCC and ACC twice a day (0000 and 0900 UTC). The weather briefing is given during the shift of staff, and describes the expected weather conditions at domestic and foreign airports and airspace, which could affect ATFM during on their duty.

2.5 Terminal Area Weather service

2.5.1 Monitoring and prediction of significant convection

The AMO provides real-time observation information such as on precipitation echo, lightning, wind data by altitude, precipitation type, and hail. It also provides very short-term precipitation information within the next two hours, based on radar observations.

2.5.2 Windshear forecast information

In order to provide information on the occurrence of windshear affecting aircraft, the AMO provides windshear altitude, maximum value, and three levels of risk (in green, yellow and red) on the board.

3. ACTION BY THE MEETING

3.1 We would like to request that this case of the Republic of Korea be updated and included in the revised ASIA/PACIFIC REGIONAL GUIDANCE FOR TAILORED METEOROLOGICAL INFORMATION AND SERVICES TO SUPPORT AIR TRAFFIC MANAGEMENT OPERATIONS.
