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**CASE OF COOPERATION FOR SIGMET COORDINATION BETWEEN
THE REPUBLIC OF KOREA AND CHINA**

(Presented by the Republic of Korea and China)

SUMMARY

This paper introduces the progress of discussions and cooperation for SIGMET coordination between the Republic of Korea and China, as well as efforts for future development. Both countries started a Pilot Project on SIGMET Coordination in September 2022. The coordination was confined to specific times, areas, and weather elements, considering efficiency. Formal operation commenced in October 2023, and biannual video conferences are conducted between both countries to improve SIGMET coordination work.

1. INTRODUCTION

1.1 On September 1, 2022, the Republic of Korea and China started a Pilot Project on SIGMET Coordination between the Republic of Korea (Incheon MWO) and China (Shanghai MWO, AMC) for thunderstorm (TS) SIGMETs from 01 UTC to 08 UTC. This information was shared as MET SG/27-IP/07.

1.2 To maximize efficiency in SIGMET coordination, the Republic of Korea and China have confined the coordination to specific times, areas, and weather elements. In October 2023, both countries began regular 24-hour operations for SIGMET coordination. The two countries are continuously improving SIGMET coordination through regular discussions.

2. DISCUSSION

2.1 Prior to the 2022 Pilot Project on SIGMET Coordination, both countries discussed cooperation details via email and exchanged official letters to agree on the initiation of the pilot project.

2.2 At the pilot project stage, which is the initial phase of SIGMET coordination cooperation between the two countries, it was considered efficient to limit cooperation to the necessary extent. Thus, the coordination focused on specific times, areas, and weather elements.

2.2.1 The time for SIGMET coordination was limited to daytime, from 01 to 08 UTC, when aircraft operations are frequent.

2.2.2 Due to the low necessity for SIGMET coordination in areas where aircraft operations are almost non-existent, the cooperation was limited to meteorological phenomena impacting the FIX, AGAVO, on the boundary between the Shanghai and Incheon FIRs.

2.2.3 SIGMETs for turbulence and icing cover excessively large spatial areas, whereas SIGMETs for TS require relatively smaller areas and precise coordination. Therefore, the weather elements were limited to TS.

2.3 Both countries engaged in biannual video conferences to discuss coordination achievements, mutual suggestions, and improvement proposals. To date, three video conferences have been conducted, and we aim to continue periodic discussions to further improve SIGMET coordination.

2.4 After conducting the pilot project for one year, formal operation commenced in October 2023. Through formal operation, it was agreed to remove time limitations and operate 24 hours with the exchange of opinions on weather concerned routinely on 01 UTC every day, which was also confirmed through the exchange of official letters.

2.5 Both countries also aim to expand the scope of cooperation in terms of the spatial area and weather elements targeted for SIGMET coordination through further enhancement of collaboration and technological development.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.
