



International Civil Aviation Organization

**THE FOURTH MEETING OF IONOSPHERIC
STUDIES TASK FORCE (ISTF/4)**

New Delhi, India, 05 – 07 February, 2014



Agenda Item 5: Any other business

**REINFORCEMENT OF INTERNATIONAL COOPERATION
FOR ESTABLISHMENT AND SERVICE OF SBAS IN THE FUTURE**

(Presented by the Republic of Korea)

SUMMARY

Considering the activities on the establishment and operational service of SBAS are being actively implemented around U.S, EU, China, India and Japan, this paper invites Member States having an interest in the future satellite-based navigation system such as SBAS to designate a point of contact share information about satellite-based navigation service provision.

1. INTRODUCTION

1.1 The review on revision of GNSS SARPs including GBAS and SBAS and the status and plans to provide the future navigation service using the satellites such as GBAS and SBAS from the member states have been discussed at the meeting of ICAO ANC NSP. And also, at the meeting of APEC GIT, the member states have deeply discussed and exchanged the updated information on the establishment and service operation of the navigation systems based by the satellites which are being implemented in U.S, Russian Federation and China, etc. It means that these activities are enough to gather the interest from the relevant states.

1.2 The Republic of Korea plans to start the SBAS project in 2014 and complete the development of APV-I operation system by 2017 and the test operation service will be started in 2018. And also, from 2019 to 2021, the system upgrade will be planned and the commercial operation service is to be provided in 2022. The experimental operation system for CAT-I performance is also planned to be developed with the APV-I project by 2021 and the experimental service is to be started in 2022.

2. DISCUSSION

2.1 The SBAS service has been already provided in a few states and regions all over the world and any other states are developing or plan the SBAS project. Therefore, if the SBAS service is provided in each state or region differently, it is natural that there might be implicated some potential possibilities which can result in a few problems on the stability and reliability of SBAS service.

2.2 Accordingly, in order to provide the SBAS service for the end users in the whole world stably and reliably, it needs to be prepared any kinds of international cooperation measures among the member states or any regions.

2.3 Currently, as it is showed a tendency that the interest on the development and operation service of SBAS in ASIA Pacific region is enhanced, the ICAO needs to prepare a base to establish an international cooperation system to share any information and the technical development on SBAS among the member states in ASIA Pacific region.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note that Member States having an interest in the future satellite-based navigation system such as SBAS may designate a point of contact in charge of dealing with the points raised in the paper and share information.
