



International Civil Aviation Organization

**NINETEENTH MEETING OF THE COMMUNICATIONS/NAVIGATION
AND SURVEILLANCE SUB-GROUP (CNS SG/19) OF APANPIRG**

Bangkok, Thailand, 20 – 24 July 2015

Agenda Item 6: Surveillance

- 1) **Review Report of the Fourteenth Meeting of ADS-B Study and Implementation Task Force (ADS-B SITF/14) including the progress made by the SEA/BOB ADS-B Working Group and the ADS-B Seminar**

THE ADS-B IMPLEMENTATION PLANE IN THE REPUBLIC OF KOREA

(Presented by Republic of Korea)

SUMMARY

This paper presents the ADS-B implementation plan of Republic of Korea.

1. Introduction

1.1 This paper presents information on the ADS-B implementation plan of the Republic of Korea (ROK).

2. Discussion

2.1 The Republic of Korea has a plan to implement the ADS-B based on the Korean Mid-Term Project to upgrade the CNS/ATM System

2.2 Now the designing is progress for the installation of ADS-B in detail. In addition, VHF voice communication systems will be installed for the reinforcement of air traffic control especially low altitude. Korean FIR is very complicated and there are many mountains and hills. Also small and light airplanes are increasing continue for the leisure, business and the pilot training. After installation, it will cover whole of Korean FIR and also will enhance the airspace surveillance with the Multi radar tracking in Incheon ATC and local APP centers.

2.3 ADS-B installation design will be finished in 3Q of 2015. ROK will start the installation of ADS-B ground system from 2016 to 2017. After that, there will be an operational test for about one year, whole 2018. Air traffic service with ADS-B and existing radars in ROK is scheduled to commence in 1Q of 2019.

2.4 After the implementation of service with ADS-B, ROK can share the experience of ADS-B Operation and ROK will need collaboration with China and Japan in the future.

3. Action by the Meeting

3.1 This paper is to share the ADS-B implementation in Republic of Korea with member states.
