

**54th CONFERENCE OF
DIRECTORS GENERAL OF CIVIL AVIATION
ASIA AND PACIFIC REGIONS**

*Ulaanbaatar, Mongolia
07 — 11 August 2017*

AGENDA ITEM 3: AVIATION SAFETY AND
 AIR NAVIGATION

**IMPLEMENTATION PLAN
OF ADS-B IN FRENCH POLYNESIA**

(Presented by France)

INFORMATION PAPER

SUMMARY

This Information Paper presents the implementation plan of ADS-B in French Polynesia

IMPLEMENTATION PLAN OF ADS-B IN FRENCH POLYNESIA

1. INTRODUCTION

1.1 In order to comply with the strategy of APAC Region, French Polynesia is modernizing its CNS environment. Implementation of ADS-B is the main component of the future surveillance system.

1.2 Moreover, communication system migration to digital technology is planned in 2019, benefiting of the extension of VHF coverage.

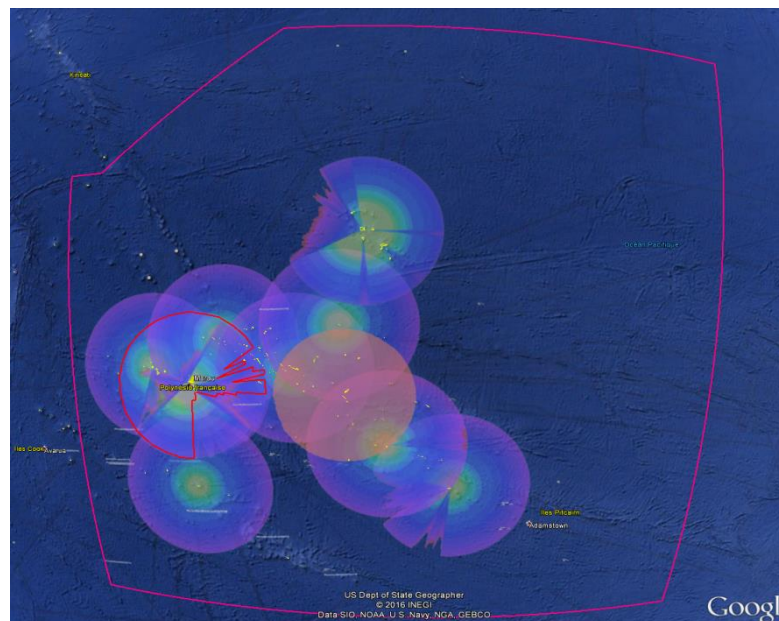
1.3 The surveillance system in Tahiti will comprise 12 ADS-B ground stations and the existing secondary radar until this one reach the end of its operational life, estimated in 2024.

1.4 The ADS-B technology will allow air traffic control to provide “radar like” separation in a larger airspace than now, optimizing flight profiles and subsequent flight cost efficiency, decreasing delays.

2. DISCUSSION

2.1 The 5 first ADS-B ground stations will be installed in August and connected in November 2017. Flight information and alert services are scheduled to be provided with ADS-B mid-2018 after a period of validation of the data in the ATM system.

2.2 The second phase will see installation of 7 additional ground stations in 2019, in an airspace where ATC provides, as of yet, only conventional separation. These installations will be pooled with VHF radio stations and will concern areas where, currently, communications between controllers and pilots are only provided through HF.



2.3 The equipment mandatory order over the Tahiti FIR is on the way of publication in the official journal of French Republic. The key components are :

- from 1 January 2019: ADS-B OUT equipment required for all aircraft above FL 245.
- from 1 January 2022: ADS-B OUT equipment required for all aircraft in Tahiti FIR.

2.4 At the end of 2016, French Polynesia has requested to include Tahiti FIR in the appropriate part of the PAC section in relation with ADS-B of the ICAO Doc 7030 (Regional supplementary procedures).

3. ACTION BY THE CONFERENCE

3.1 The meeting is invited to:

- a) Note the information contained in this paper;
- b) Discuss any relevant matters as appropriate.

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