



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

CIVIL AVIATION DEPARTMENT
MINISTRY OF TRANSPORT AND COMMUNICATIONS
Male'
Republic of Maldives

AIR SAFETY CIRCULAR

No. OPS 12
Issue: 02
6 September 1995

INSTALLATION OF STAND-ALONE GPS EQUIPMENT

1. INTRODUCTION

- 1.1 Maldivian Airworthiness Requirements, Series C9, Para 7.2 specify the existing requirement for navigational equipment.

With the introduction of GNSS, the Civil Aviation Department is committed to the concept, and is making arrangements to conduct trials to ascertain the viability of GPS as Primary Means of air navigation within the Maldives.

- 1.2 This Circular states the specification for the type of equipment and installation time frame.

2. APPLICABILITY

- 2.1 This Circular is applicable to all Maldivian registered aircraft and other aircraft operated under a Maldivian AOC conducting domestic operations

3. EQUIPMENT REQUIREMENTS

- 3.1 The GPS equipment must meet the performance requirements of TSO-C129 (FAA specification). Such compliance must be verified by an appropriate Certificate of Airworthiness for export or Certificate of Compliance from the equipment manufacturer.
- 3.2 The GPS equipment must be capable of detecting and automatically excluding a GPS satellite failure by means of Fault Detection and Exclusion (FDE) and possess Receiver Autonomous Integrity Monitoring (RAIM).
- 3.3 The GPS equipment must have a dead reckoning mode operation which must be

triggered automatically upon detecting a satellite failure that cannot be excluded or if a navigation solution cannot be provided.

4. **COMPLIANCE**

4.1 The equipment of the type detailed in this circular must be installed and be functioning on all applicable aircraft, no later than 1st of July 1996.

5. **CANCELLATION**

This circular cancels Air Safety Circular No. OPS 12, Issue 1, dated 15 March 1995, which should be destroyed.



Abdul Razzak Idris
DIRECTOR OF CIVIL AVIATION