



ADVISORY CIRCULAR

The Guyana Civil Aviation Authority
82 Premniranjan Place
Prashad Nagar
Greater Georgetown

Telephone Nos. 226-6634, 227-5561, 227-1219
Fax 225-6800

**AIRWORTHINESS
No. 11**

Subject: PITOT/STATIC SYSTEM

**Date Initiated: 05/07/2005
Initiated by: DGCA**

1. PURPOSE

This Advisory Circular (AC) provides information and guidance relating to the requirement to accomplish pitot/static system leak tests, ATC transponder tests and inspection following the performance of certain maintenance functions to the respective systems, prior to certification of those systems following such maintenance, or following scheduled maintenance checks.

2. CANCELLATION

This Advisory Circular (Airworthiness No. 11) cancels all previously issued Circulars/Publications relating to the subject.

3. Effectivity

This Advisory Circular affects all aircraft registered in Guyana and is effective September 01, 2005.

4. REQUIREMENT

Unless otherwise authorized by the Director General of Civil Aviation, aircraft pitot/static systems must be tested for leaks, and the ATC transponder integrated system must be tested and inspected prior to the next flight following:

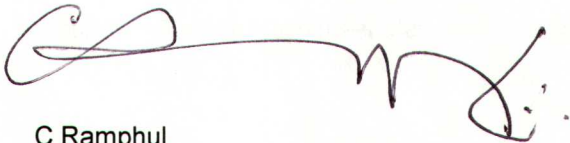
- a. Any installation/replacement of any component parts of a pitot/static system, or following any occasion when any part of a pitot/static system has been disconnected for any reason.
- b. Any installation or maintenance on an ATC transponder where data correspondence error could be introduced.
- c. Any time system malfunctioning is suspected.
- d. The periods specified in the Maintenance Schedule (MS) for the aircraft or annually if it is not stated in the MS.

5. CERTIFICATION

Certification for maintenance performed in respect of pitot/static systems installed in aircraft, including the required pitot/static leak check, and of the ATC transponder system must be made by an appropriately licensed and type rated Aircraft Maintenance Engineer authorized in accordance with the procedures of the Approved Maintenance Organization (AMO).

6. PROCEDURE

- 6.1 The procedures and methods for conducting pitot/static leak checks, and testing and inspection of the ATC transponder depends on the type of equipment required to perform these tests/checks.
- 6.2 When conducting these tests, reference should always be made to the relevant manufacturer's and aircraft Maintenance Manuals, which detail the applicable procedures and methods.
- 6.3 Other acceptable data relating to the testing and inspecting of pitot/static systems and inspection and testing of the ATC transponder and related instruments are contained in:-
 - a. FAA Advisory Circulars AC 43.13.1A and 2A and Part 91.411 and 413.
 - b. CAA Civil Aircraft Inspection Procedures.



C Ramphul
Director General of Civil Aviation