

SUBJECT : LEAK TESTING OF PITOT-STATIC SYSTEMS

1. INTRODUCTION

1.1 The purpose of this Chapter is to provide information relating to the requirement to accomplish pitot-static systems leak tests following the performance of certain maintenance functions to pitot-static systems, and prior to certification of those systems following such maintenance, or following scheduled maintenance checks.

2. REQUIREMENT

2.1 Unless otherwise authorised by the Director of Civil Aviation, aircraft pitot-static systems, must be tested for leaks prior to the next flight:-

 (a) following the installation/replacement of any component parts of a pitot-static system, or following any occasion that any part of a pitot-static system has been disconnected for any reason.

 (b) at any time system malfunctioning is suspected.

 (c) at the periods specified in the Maintenance Schedule for the aircraft.

3. CERTIFICATION

3.1 Certification of maintenance performed in respect of pitot-static systems installed in aircraft, including the required pitot-static leak check must be made by an appropriately licensed and type rated Aircraft Maintenance Engineer in accordance with Chapter 4 or Chapter 4.1, as applicable, of these requirements, or by any other person who has been authorised in accordance with Chapter 4 or 4.1 as applicable.

4. PROCEDURE

4.1 The procedures and methods for conducting pitot-static leak checks, and the type of equipment required to perform the checks depend on the type of aircraft and its pitot-static system.

4.2 When conducting pitot-static leak checks, reference should always be made to the relevant manufacturer's and aircraft Maintenance Manuals, which detail the applicable procedures and methods.

4.3 Other acceptable data relating to the testing and inspecting of pitot-static systems and related instruments are contained in:-

- (a) FAA Advisory Circulars AC 43.13.1A and 2A
- (b) CAA Civil Aircraft Inspection Procedures.

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(Date of Issue)

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(for Director of Civil Aviation