



1. Effectivity

Any aircraft equipped with automatic pressure altitude reporting equipment.

2. Purpose

This Airworthiness Bulletin seeks to clarify the requirements set out in Paragraphs 4.6 and 4.8 of Section 100.5 of the Civil Aviation Orders and in Clause 3 of Appendix 1 of Section 100.5 of the Civil Aviation Orders

3. Background

Concerns have been raised that when performing required testing in accordance with Paragraph 4.8 of Appendix 1 of Section 100.5 of the CAOs the requirements stated in the CAO were not being followed in the manner intended.

4. Recommendations

When performing maintenance in accordance with Paragraph 4.8 of Appendix 1 of Section 100.5 of the CAOs, the statement;

“...the reporting system must be tested in accordance with subclause 4.6 on each occasion of the removal or the installation of, or a change to, or a modification to:

- (c) a system component; or*
- (d) the system interwiring.”*

is intended to mean that any time the system has maintenance of any kind performed to it, the testing referred to in paragraph 4.6 is to be carried out. This includes the removal and re-installation of the same item.

Clause 3 of Attachment 1 of Appendix 1 of Section 100.5 of the CAOs requires that the tests are to be conducted at a sufficient number of test points to ensure that the equipment performs its intended function. CASA does not consider a single test point at station height to be adequate. The testing needs to be done at multiple test points at altitudes representing low, mid and high values when the aircraft's operating envelope is considered. Testing at a variety of points provides confidence that the altitude encoder meets scale and hysteresis error requirements as well as confirming the integrity of the connector plug/socket contacts and wiring.



Testing Automatic Pressure Reporting
Equipment After Maintenance

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5. Enquiries

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