Federal Aviation Administration

Memorandum

Date:	MAR 22 2011
To:	All Aircraft Certification Office Managers
From:	Carol Martineau, Manager, Technical Programs Branch, AIR-120
Prepared by:	Gregory Maund, Technical Programs Branch, AIR-120
Subject:	INFORMATION: Clarification of Test Procedures for Aircraft Seals Published in TSO-C150 as Developed by the American Society for Testing and Materials (ASTM).
Memo No:	AIR100-2011-120-001

Summary

This policy memorandum clarifies the Performance Property testing requirements for aircraft seals referenced in TSO-C150, Appendix 1. The term "Optional Testing" used in TSO-C150, Appendix 1, Table 2 has been the source of confusion for at least one Technical Standard Order Authorization (TSOA) holder.

Discussion

Upon preparation for an audit of a TSO-C150 TSOA holder, Denver Aircraft Certification Office discovered that the TSOA holder had been interpreting the Performance Property tests published in TSO-C150, Appendix 1, Table 1 for Fluid Compatibility, Heat Resistance, and Abrasion Resistance as optional testing (implied by Table 2). Upon review of the existing document layout, we believe others may similarly misinterpret the requirements, due to use of the term "Optional Testing." This memo clarifies that tests are required when marked with an "X" in Table 1. They are, however, "optional" when not marked with an "X" in Table 1. We plan to revise TSO-C150 in fiscal year 2011 to clarify the test procedures required to maintain minimum performance standards during the manufacturing process.

For questions regarding this memo, please contact Gregory Maund at (202) 385-4257, or by email at gregory.maund@faa.gov.