



Federal Aviation Administration

Memorandum

Date: October 11, 2012

To: Aircraft Certification Office Managers

From: ~~cot~~ David W. Hempe, Manager, Aircraft Engineering Division, AIR-100 *symCable*

Prepared by: Madeleine Miguel, Engineering Procedures Office, AIR-110

Subject: Deviation Approval from Order 8110.4C to Conduct Certain Ground Tests without a Type Inspection Authorization (TIA).

This memorandum approves your deviation request to Order 8110.4C, *Type Certification*, paragraphs 1-6 (i), 2-6.i, 2-6.t, and 5-19.d(1), to allow static ground tests that require involvement of FAA flight test personnel, without the issuance of a TIA, provided the following conditions are met:

- (1) The aircraft must be parked (no wheels turning) and with engines turned off.
- (2) Power to the aircraft must come from either the aircraft APU or external sources (ground cart).
- (3) An inspection must be conducted to ensure that the aircraft is in conformity with the type design data appropriate for accomplishing the tests.
- (4) Only the FAA or FAA designees can conduct the tests, using FAA-approved test plans.
- (5) The risk mitigation program documentation required by FAA Order 4040.26 must be attached to the test plan. Only tests with a pre-mitigation risk level of "low" are allowed under this deviation.

This deviation applies to all Aircraft Certification Offices and is valid until the next revision of Order 8110.4.