

REVIEW COMPLIANCE TO CERTIFICATION BASIS JOB FUNCTION 6

1. OBJECTIVE.

This chapter provides guidance for reviewing compliance to certification basis. The aviation safety inspector should use this procedure to determine the compliance of all relevant regulatory requirements at the final stage of a TC or STC or other design approval project. This process is to ensure the compliance to the certification basis and determine if the certificate can be issued.

2. GENERAL

A. Applicability.

This Chapter is used in a TC, STC, PMA, TSOA, or other projects that design approval /engineering evaluation is involved.

3. PREREQUISITES AND COORDINATION REQUIREMENTS

A. Knowledge of the CAA regulatory requirements.

B. Successful completion of Airworthiness Inspector's Indoctrination Course, or previous equivalent training.

4. REFERENCES

A. FAA Order 8110.4C, Chapter 2 and Chapter 4

B. Civil Aviation Regulation " *Regulations Governing the Certification for Aviation Products, Appliances and Parts* "

5. PROCEDURES

A. This task is performed upon Completion of all individual system approvals, prior to issuance of TC.

B. Review design of complete system for compliance.

(1) Confirm no unsafe condition exits.

(2) Review compliance checklist if available. Confirm that all the certification items are complete.

(3) If applicable, assist the POIs and PMIs in review of aircraft flight manual/supplement and ICA documents.

AIRWORTHINESS INSPECTOR'S HANDBOOK

- C. If the certification project is a TC or STC project, coordinate preparation and/or revision of the TC, STC, and TCDS.
 - (1) Review the certification project status for completion, and obtain all information necessary to prepare TC, TCDS, or STC.
 - (a) Verify that the flight manual, if required, has been approved.
 - (b) Verify that all outstanding certification items have been satisfactorily completed.
 - (c) Verify and review applicant's aircraft and/or engine specification and proposed TCDS for all necessary information.
 - (2) Prepare the draft TC/TCDS, or STC.
 - (a) Obtain the proper TC or STC number.
 - (b) Refer "06-07A Regulations Governing the Certification for Aviation Products, Appliances and Parts," FAA Order 8110.4, or other relevant documents for information on requirements for TCDS, TC, or STC.
 - (c) Transfer the collected information to the proper form in a prescribed format.
 - (3) Coordinate TC/TCDS, or STC with the members of project team and with applicant.
 - (a) Route draft TC/TCDS, or STC to appropriate parties.
 - (b) Evaluate and consolidate comments; resolve conflicting positions.
 - (4) Coordinate and prepare certification documents.
 - (a) Finalize TC/TCDS, or STC, as required comments received.
- D. If the certification project is any design approval other than a TC or STC project, review the final design data provided by the applicant.
 - (1) Review the certification project status for completion. Confirm that all the certification items are complete.
 - (a) Check all the certification items, Verify that all outstanding certification items have been satisfactorily completed.
 - (2) If the application is a TSOA or a PMA project, the certification items relating to production must also be satisfactorily completed.
- E. Assist the PMIs and POIs to ensure that all the operational and maintenance requirements are fulfilled.