

DATA ITEM DESCRIPTION

Title: COMMERCIAL DERIVATIVE AIRCRAFT (CDA) AIRWORTHINESS CERTIFICATION DATA

Number: DI-SESS-81984

Approved Date: 20150625

AMSC Number: F9558

Limitation: No

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 11 (AFLCMC/EZSA)

Project Number: SESS-2015-046

Applicable Forms: N/A

Use/Relationship: The Commercial Derivative Aircraft (CDA) Airworthiness Certification Data will be used to document the certification process for CDA, substantiating data, and compliance artifacts. The data will be used to support the Government's airworthiness type certification of the aircraft design.

a. This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work described in the contract statement of work (SOW) and is applicable to the acquisition of commercial derivative aircraft.

Requirements:

1. Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2. Format. The CDA Airworthiness Certification Data deliverables shall be in contractor's format.

3. Content. The CDA Airworthiness Certification Data shall contain the following:

a. Federal Aviation Administration (FAA) approved airworthiness type certification process, planning, and compliance documents:

- (1) Type Certification Board Meeting minutes
- (2) Type Certificate (TC) or Supplemental Type Certificates (STC) Application
- (3) Certification Program Plan
- (4) Certification Project Notice Letter (or equivalent)
- (5) Certification Project Plan
- (6) Issue Book (Issue Papers)
- (7) Certification Basis
- (8) Compliance Matrix
- (9) Certification Plan Worksheets
- (10) Project Specific Certification Plan Agreement
- (11) Engineering Conformity Plan
- (12) Type Inspection Authorization

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- (13) Type Inspection Report
- (14) Instructions for Continued Airworthiness
- (15) Flight Manual (Supplement)
- (16) TC and/or STC

b. FAA Certificates of Airworthiness:

- (1) Standard Airworthiness Certificate
- (2) Special Airworthiness Certificate, Experimental Category, to perform research and development testing, show compliance, and FAA flight testing (including supporting airworthiness assessment, risk assessment, and restrictions/limitations)

c. Documentation of all Government-approved non-conformities with the FAA-approved type design:

- (1) FAA Form 8130-31, *Statement of Conformity – Military Aircraft*

(Copies of this form are available online at <http://www.faa.gov>.)

d. Airworthiness certification substantiating data and compliance artifacts for the applicable certification criteria based on the Airworthiness Authority-approved certification basis and the guidance specified in MIL-HDBK-516, *Airworthiness Certification Criteria*:

(Copies of this document are available online at <http://quicksearch.dla.mil>.)

- (1) Systems Engineering
- (2) Structures
- (3) Flight Technology
- (4) Propulsion and Propulsion Installations
- (5) Air Vehicle Subsystems
- (6) Crew Systems
- (7) Diagnostics Systems
- (8) Avionics
- (9) Electrical Systems
- (10) Electromagnetic Environmental Effects (E³)
- (11) System Safety
- (12) Computer Systems and Software
- (13) Maintenance
- (14) Armaments and Stores Integration
- (15) Passenger Safety
- (16) Materials
- (17) Air Transportability, Airdrop, Mission/Test Equipment and Cargo/Payload Safety

End of DI-SESS-81984