




SUBPART H CERTIFICATE OF AIRWORTHINESS (COA) FOR AIR SYSTEMS

RATIONALE

Prior to delivery to the User Services for operational use, DGAQA is responsible to establish the compliance of the Air Systems to the baseline configuration approved by CEMILAC and ensure its state of airworthiness. This baseline is the fundamental starting point for all subsequent Military Airworthiness Reviews. Configuration variations will occur throughout operational life cycle of an Air System and failure to understand its configuration will make continuing and continued airworthiness difficult. This regulation brings out the format in which the airworthiness assurance agencies certify that each of the Air Systems after production or maintenance/overhaul is compliant to approved baseline configuration and performance requirements.



Intentionally Left Blank

CONTENTS

21.H.1	Applicability-----	495
21.H.2	Certificate of Airworthiness (CoA) -----	495
21.H.3	Eligibility-----	496
21.H.4	Application for CoA -----	496
21.H.5	CoA during the Production & Maintenance of Air System -----	497
21.H.6	Duration and Continued Validity -----	498

Intentionally Left Blank

21.H.1 APPLICABILITY

REGULATION

Every Air System released to User Services or to a flight test agency shall hold a Certificate of Airworthiness (CoA) issued by DGAQA or the designated Quality Assurance agencies of the User Services.

ACCEPTABLE MEANS OF COMPLIANCE

- a. This Subpart is on the issue of Certificate of Airworthiness and is applicable to the following categories:
 - i. Release of the Air Systems to the User Services during the limited series or bulk production phase.
 - ii. Release of the Air Systems to the User Services after the completion of any modification or upgradation or maintenance activities.

GUIDANCE MATERIAL

Nil

21.H.2 CERTIFICATE OF AIRWORTHINESS (CoA)

REGULATION

Certificate of Airworthiness (CoA) is an endorsement by authorized certifying staff on behalf of the organisation or by DGAQA or the designated Quality Assurance agencies, when it has been verified that each of the Air System released under 21.H.1 conforms to the finalised/certified baseline configuration and is in an acceptable state of airworthiness.

ACCEPTABLE MEANS OF COMPLIANCE

- a. During production /maintenance phase:
 - i. A Certificate of Airworthiness in the form of Signal Out Certificate (SOC) is issued by DGAQA, prior to release to service of an Air System manufactured by the Main Contractor to the approved baseline configuration, on completion of inspection and acceptance.
 - ii. On completion of maintenance/overhaul activities of an Air System, a Certificate of Airworthiness is issued by DGAQA prior to release to service on completion of necessary inspection and acceptance.

- b. During service operation: During the operational phase of an Air System in Indian Defence Services, issuing of CoA is managed by the respective Services in their own Forms & Procedures (eg: MOD Form 700 used in Indian Air Force)

GUIDANCE MATERIAL

DGAQA directive on Certificate of Safety for Flight dated 05-01-2016 and Technical Standing Order (TSO) issued by DGAQA.

21.H.3 ELIGIBILITY

REGULATION

Organisations which have demonstrated their capability for design, development and production of an Air System with the TAA shall be eligible to apply for a CoA.

ACCEPTABLE MEANS OF COMPLIANCE

- a. Any organisation which intends to produce Military Air Systems shall hold a relevant Production Organisation Approval (POA) under provisions mentioned at Subpart G2 for the production of such type of Air Systems.
- b. An organisation which holds a valid Military Type Certificate (MTC)/Restricted MTC or an organisation which holds a license for the production of such Air Systems obtained through a License Agreement (through Transfer of Technology) can apply for a Certificate of Airworthiness from DGAQA.

GUIDANCE MATERIAL

Nil

21.H.4 APPLICATION FOR CoA

REGULATION

Pursuant to IMTAR 21.H.3, an application for an airworthiness certificate shall be made in a form and manner established by DGAQA.

ACCEPTABLE MEANS OF COMPLIANCE

- a. Each application for a certificate of airworthiness shall include:
 - i. For newly designed and developed Air System, following documents shall be submitted:

- A. A copy of MTC/RMTC & License agreements for production, if any and production organisation approval certificates from the TAA.
 - B. A statement of conformity to applicable Type Certification Data Sheet (TCDS).
 - C. A work done report on the activities carried out duly coordinated by the respective QA agencies.
 - D. The flight manual and any other manuals required by the authority responsible for registration of the Air System, as applicable.
- ii. For a modified /upgraded Air System, in addition to the above documents, the following documents shall also be submitted:
- A. Historical records to establish the production, modification, and maintenance standard of the Air System, including all limitations associated with a restricted certificate of airworthiness.
 - B. Records showing the total life consumed by each installed life-limited Air System, engine and propeller component.
 - C. Details of any major structural and life-limited component changes made to items such as wings and tail plane, and a summary of the individual histories of such components, unless new when fitted.
 - D. Details of any accidents or incidents in which the Air System has been involved.
 - E. Details of any major repairs or modifications performed on the Air System, engines and propellers and verification that they have been properly approved and incorporated.

GUIDANCE MATERIAL

DGAQA directive on Certificate of Safety for Flight and Technical Standing Order (TSO) issued by DGAQA.

21.H.5 CoA DURING THE PRODUCTION & MAINTENANCE OF AIR SYSTEM

REGULATION

Military Air Systems released after production or maintenance from Main Contractor/ Maintenance Organisation to User Services shall hold a valid CoA issued by DGAQA.

ACCEPTABLE MEANS OF COMPLIANCE

A Certificate of Airworthiness in the form of Signal Out Certificate (SOC) is issued by DGAQA prior to release to User service of an Air System manufactured or maintained/overhauled by the Main Contractor/Maintenance Organisation to the approved baseline configuration on completion of necessary inspection and acceptance.

GUIDANCE MATERIAL

Refer Subpart F on Production of Air Systems & Airborne Stores.

21.H.6 DURATION AND CONTINUED VALIDITY**REGULATION**

A Certificate of Airworthiness (CoA) for an Air System may be issued for an unlimited duration.

ACCEPTABLE MEANS OF COMPLIANCE

- a. CoA remains valid subject to:
 - i. Compliance with the applicable type design, airworthiness directives and instructions for continuing airworthiness.
 - ii. The type certificate or restricted type certificate under which it is issued, not being previously invalidated under IMTAR-21 Subpart B.
- b. The certificate has not been surrendered or revoked by DGAQA.

GUIDANCE MATERIAL

Nil