

AIRWORTHINESS CIRCULAR

Artifacts Required to Initiate a Compliance Assessment

PURPOSE:

This USAF airworthiness (AW) circular (AC) establishes the process for requesting approval to deliver compliance artifacts during an AFLCMC/EN-EZ's AW compliance assessment.

SCOPE:

This AC applies to new air systems undergoing initial AW assessments and reportable modifications to existing air systems.

ATTACHMENTS:

1. Artifacts that May be Delivered During the Compliance Assessment

CANCELLATIONS:

Not applicable. This is the initial release of this AC.

REFERENCED DOCUMENTS:

1. Air Force Life Cycle Management Center (AFLCMC) Standard Process for Reportable Airworthiness Flight Authorization (TAA-issued Airworthiness Approvals), 21 February 2019

BACKGROUND:

The standard process (Reference 1) requires all compliance artifacts be delivered prior to initiating the compliance assessment (Reference 1, Work Breakdown Structure [WBS] 1.1), unless approved by the USAF AW Office. The USAF AW Office recognizes that in some cases this may be impractical, since some artifacts are typically developed closer to the start of flight testing or start of operational use.

DISCUSSION:

A large number of delinquent artifacts during the 20-day compliance assessment (Reference 1, WBS 1.3) results in very inefficient use of AFLCMC/EN-EZ and Program Office (PO) resources. However, in some instances, it may be unreasonable to expect all artifacts to be available prior to the start of the compliance assessment.

Attachment 1 identifies the artifacts that may be delivered during the compliance assessment and their associated deadlines. In addition to Attachment 1, the AW Office will evaluate AFLCMC/EN-EZ's workload and the modification's scope when approving other artifacts that may be delivered during the compliance assessment.

RECOMMENDATION:

POs wishing to initiate a compliance assessment with delinquent artifacts that comply with Attachment 1 are not required to obtain AW Office approval.

POs wishing to initiate a compliance assessment with delinquent artifacts that are not listed in Attachment 1 shall submit a written request, coordinated by the PO's Chief Engineer, to the AW Office no later than (NLT) ten (10) business days before the *Compliance Report Kickoff Technical Director Technical Interchange Meeting* (Reference 1, WBS 1.2). It shall identify the artifacts the PO request be delivered during the compliance assessment, the schedule for PO review of delinquent artifacts, the schedule for delivering delinquent artifacts to EN-EZ, and the deadline for obtaining the AW approval.

All delinquent artifacts and their associated delivery schedule shall be identified in the *Compliance Report Kickoff Technical Director Technical Interchange Meeting* charts. The charts shall be submitted to the AW Office NLT two (2) business days before the *Compliance Report Kickoff Technical Director Technical Interchange Meeting* (Reference 1, WBS 1.2).

POINTS OF CONTACT:

Comments, suggestions, or questions on this circular should be emailed to the USAF AW Office mailbox at USAF.Airworthiness.Office@us.af.mil.



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Attachment 1

Artifacts that May be Delivered During the Compliance Assessment

Table 1 – Artifacts Supporting a Flight Test AW Approval

Artifacts	Contingencies	Delivery Deadline Relative to End of Compliance Assessment (Reference 1, WBS 1.3) (days)
Flight Test Plan	Content must be finalized to start the compliance assessment; final approval may be outstanding.	10
Draft Safety Plan (per AFI 91-202, AFMC Supplement, Chapter 13)		10
Draft Safety Release (per AFI 91-202, AFMC Supplement, Attachment 16)		5
Formal Qualification Test Report	Quick look or draft required to start the compliance assessment.	10
Ground Vibration Test Report (air vehicle)	Quick look or draft required to start the compliance assessment.	10
Structural Modes Interaction Test Report	Quick look or draft required to start the compliance assessment.	10
Failure Mode and Effect Test Report	Quick look or draft required to start the compliance assessment.	10
System Integration Lab Test Report(s)	Quick look or draft required to start the compliance assessment.	10
Technical Orders (Contractor Certified)	Draft required to start the compliance assessment.	10
EMI/EMC Source/Victim Test Report		5
Electrical System Ground Test Report		5
Examples of First Article Inspection Reports		5
Non-Nuclear Munitions Safety Board (NNMSB) Test Hazards Assessment Report	Board must be completed to start the compliance assessment. Action items must be mitigated no later than (NLT) five (5) days before the end of the compliance assessment.	5

Artifacts	Contingencies	Delivery Deadline Relative to End of Compliance Assessment (Reference 1, WBS 1.3) (days)
SEEK EAGLE Flight Clearance	Final desired weapon configurations and limitations must be defined to start the compliance assessment. Draft engineering rationale required to start the compliance assessment. Final engineering rationale (Contractor, Air Force SEEK EAGLE Office [AFSEO], or other Organic) supporting Program Office SEEK EAGLE Assessment required NLT 10 days before the end of the compliance assessment.	10
Air Force Safety Center (AFSEC) Hazards of Electromagnetic Radiation to Ordinance (HERO) Assessment	Final E3 environment must be assessed/documented and anticipated HERO classification established to start the compliance assessment. Official HERO assessment/classification and safety mitigations identified NLT five (5) days before the end of the compliance assessment.	5

Table 2 – Artifacts Supporting an Operational AW Approval

Artifacts	Contingencies	Delivery Deadline Relative to End of Compliance Assessment (Reference 1, WBS 1.3) (days)
Supplemental Type Certificate or Type Certificate		5
Primary Flight Reference Endorsement Letter		5
Technical Orders (Government Verified)	Final required to start the compliance assessment.	10
NNMSB Technical Munitions Safety Study	Review board must be completed before the start of the compliance assessment. Action item closure plan must be approved NLT five (5) days before the end of the compliance assessment.	5

Artifacts	Contingencies	Delivery Deadline Relative to End of Compliance Assessment (Reference 1, WBS 1.3) (days)
SEEK EAGLE Certification	Final desired weapon configurations and limitations must be defined to start the compliance assessment. Draft engineering rationale required to start the compliance assessment. Final engineering rationale (Contractor, AFSEO, or other Organic) supporting Program Office SEEK EAGLE Assessment required NLT 10 days before the end of the compliance assessment.	10
AFSEC HERO Assessment	Final E3 environment must be assessed/documented and anticipated HERO classification established to start the compliance assessment. Official HERO classification NLT five (5) days before the end of the compliance assessment.	5