



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AERONAUTICAL SYSTEMS CENTER (AFMC)
WRIGHT-PATTERSON AIR FORCE BASE OHIO

BULLETIN
AWB-019
07 December 2010

United States Air Force (USAF) Airworthiness Bulletins (AWB)-019

Subject: Exemptions and Waivers

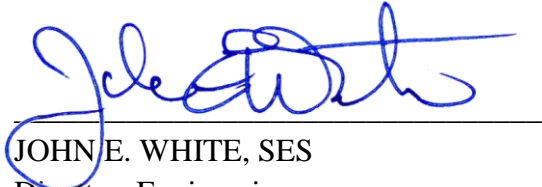
Attachment: Glossary of References and Supporting Information

- 1. Purpose:** This bulletin describes the process for handling permanent and temporary airworthiness certification basis non-compliances (i.e., exemptions and waivers) as part of the airworthiness certification process.
- 2. Office of Primary Responsibility:** ASC/ENSI. Comments, suggestions, or questions on this bulletin should be emailed to the ASC/ENSI Mailbox (ASC.ENSI.Mailbox@wpafb.af.mil).
- 3. Policy:** The exemption and waiver instructions outlined in Air Force Instruction (AFI) 62-601, *USAF Airworthiness*, paragraph 1.17, will be accomplished during the Technical Airworthiness Authority's (TAA) finding of compliance review to the approved certification basis and the ensuing Airworthiness Board (AB). Noncompliance with an applicable airworthiness certification criterion is an indication of a potential safety hazard or other limitation in the design of the system and may have airworthiness ramifications. Program Managers (PMs) are to identify all non-compliant criteria to the TAA-approved certification basis in their Tailored Airworthiness Certification Criteria (TACC) or Modification Airworthiness Certification Criteria (MACC) Compliance report.

For each non-compliant criterion, the PM must provide the following data: reason for non-compliance; hazard associated with the non-compliance, hazard risk assessment; risk mitigation and/or closure plans; and proposed restrictions or operating limitations. The PM must also identify if the criterion non-compliance is based on a permanent aircraft design feature, and thus eligible to be exempt from the certification basis (exemption) or a temporary aircraft design feature, and thus eligible to be waived for a limited duration (waiver). Prior to the AB, the appropriate Subject Matter Expert (SME) will evaluate the data submitted by the PM, evaluate the hazard risk assessment, and provide a recommendation to the TAA to either approve or disapprove the request. During the Airworthiness Board, the TAA will determine if a waiver or exemption is warranted for each non-compliant criterion and determine the final hazard risk assessment. The PM must obtain risk acceptance for the TAA's final hazard risk assessment by the appropriate risk acceptance authority to include appropriate Major Command (MAJCOM) coordination and provide the documentation to the TAA. The TAA will approve a waiver or exemption for each warranted criterion after receipt of the risk acceptance documentation.

Waiver and exemption actions will be noted in the Notice of AB Action form.

Refer to AWB-005 for details on format and contents of Tailored Airworthiness Certification Criteria/Modification Airworthiness Certification Criteria (TACC/MACC) documents and AWB-003 for instructions on submitting documents to TAA for review.



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USAF Technical Airworthiness Authority

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 62-601, *USAF Airworthiness*

USAF AWB-003, *Tailored Airworthiness Certification Criteria/Modification Airworthiness Certification Criteria (TACC/MACC) Document Submittal and Review Requirements*

USAF AWB-005, *Tailored Airworthiness Certification Criteria/Modification Airworthiness Certification Criteria (TACC/MACC) Document Construction and Format*

USAF Airworthiness SharePoint website;

<https://cs.eis.afmc.af.mil/sites/AeroEngDisciplines/Systems/Airworthiness/default.aspx>

AFKN USAF Airworthiness CoP website;

<https://afkm.wpafb.af.mil/community/views/home.aspx?Filter=OO-EN-KO-11>

MIL-HDBK-516, *Airworthiness Certification Criteria*

MIL-HDBK-516B, *ASC/EN Airworthiness Certification Criteria Expanded Version of MIL-HDBK-516B*

Abbreviations and Acronyms

AB – Airworthiness Board

AFKN – Air Force Knowledge Now

CoP – Community of Practice

MACC – Modification Airworthiness Certification Criteria

MAJCOM – Major Command

MRFR – Military Restricted Flight Release

MTC – Military Type Certificate

PM – Program Manager

SME – Subject Matter Expert

TAA—Technical Airworthiness Authority

TACC – Tailored Airworthiness Certification Criteria

Terms

United States Air Force (USAF) Airworthiness Bulletin (AWB) — Procedures, practices, and requirements for executing USAF airworthiness policy as defined and published by the TAA.

Airworthiness – The verified and documented capability of an air system configuration to safely attain, sustain, and terminate flight in accordance with approved usage and limits.

Certification Basis – The set of approved airworthiness certification criteria, standards, and methods of compliance that apply to a specific air system. It is typically derived from MIL-HDBK-516, *Airworthiness Certification Criteria*.

Exemption—Documentation of permanent air system design feature that does not comply with an airworthiness certification criterion in the TACC or MACC.

Military Type Certificate (MTC)—The TAA issued document which provides evidence that the aircraft system type design is in full compliance with its approved certification basis.

Military Restricted Flight Release (MRFR) —A MRFR authorizes flight for an aircraft whose type design is partially compliant with its approved certification basis.

Technical Airworthiness Authority (TAA) – The AF official authorized to define airworthiness standards, approve the certification basis, issue findings of compliance, and issue Military Type Certificates and other flight releases.

Waiver—Documentation of a temporary air system design feature that does not comply with an airworthiness certification criterion in the TACC or MACC.