



DEPARTMENT OF DEFENSE  
**UNITED STATES AIR FORCE**

**MIL-HDBK-516C CHANGE NOTICE No. 516CN-8**

<p style="text-align: center;"><b>AIRWORTHINESS BOARD DETERMINATION          MIL-HDBK-516C CHANGE NOTICE</b></p>	<p>1. DATE (YYYYMMDD)          2022MMDD</p>
<p>2. AFLCMC/EZ POINT OF CONTACT          Brian Roth</p>	<p>3. PHONE (DSN)          656-9564</p>
<p>4. BOARD SECRETARIAT          Amy Rettig, AFLCMC/EZZ</p>	<p>5. PHONE (DSN)          656-9546</p>
<p>6. SUMMARY OF AIRWORTHINESS BOARD DETERMINATION / MIL-HDBK-516C CHANGE          (See attached Airworthiness Board charts for more information.)</p> <p>MIL-HDBK-516C Section 13.2.9 RF Spectrum Licensing and Certification</p> <p>Change impacts:</p> <ul style="list-style-type: none"> <li>• Delete Criteria, Standard, Method of Compliance</li> </ul>	
<p>7. TAA SIGNATURE</p> <hr/> <p>JACQUELINE S. JANNING-LASK, SES          Director, Engineering and Technical          Management/Services (AFLCMC/EN-EZ)          USAF Technical Airworthiness Authority</p>	<p>8. ORGANIZATION</p> <p>AFLCMC/EN-EZ</p>



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# MIL-HDBK-516C Change Notice 8 April 2022



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# **USAF Airworthiness Change Notice Board**



## **Criterion 13.2.9 RF Spectrum Licensing and Certification**

**23 FEB 2022**

**AFLCMC/EZAC  
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**UNCLASSIFIED**



# Change Notice (CN) Overview



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- **Title: Remove RF Licensing and Authorization Criteria**
- **Date Proposed: 23 FEB 2022**
- **POC: Jose Pabon Soto**

Paragraphs Impacted	Category	New	Modified	No Change
13.2.9	Criterion - DELETE		X	
	Standard - DELETE		X	
	Method of Compliance - DELETE		X	



# Proposal for change

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## Delete 13.2.9:

Criteria	Criteria	Standards	Method of Compliance
13.2.9	Verify that the system meets the electromagnetic spectrum licensing requirements in accordance with DoD, national, and international regulations and has received electromagnetic spectrum certification.	Spectrum certification denotes the supportability of an electronic system or spectrum dependent equipment in accordance with MIL-STD-464, 5.15, for operation in a designated frequency band to avoid interference with other system or equipment and for compliance with the national and international spectrum certification regulations cited in DoDI 4650.01, Policy and Procedures for Management and Use of the Electromagnetic Spectrum.	Verification of supportability is accomplished via compliance with MIL-STD-464, 5.15. Certification is achieved through submittal and approval of DD Form 1494, Application for Frequency Allocation (EL-CID), which contains the information on the operating characteristics of the spectrum dependent equipment.



# Rationale for Change



- **Rationale:**

- RF licensing and authorization is a certification process outside of the Air Force.
  - National Telecomm & Information Administration (NTIA) and the Federal Communications Commission (FCC) have authority.
- AW SMEs are unable to properly quantify a risk associated with noncompliance to 13.2.9 using AWB-150 or MIL-STD-882.
  - It is illegal to radiate without proper authorization so applying the risk acceptance process to this at any level is not viable.
  - ACT does not have the capability to input unknown risk and it does not accept a blank entry.
- Current workaround is to add a statement to MFRs to clarify responsibility, e.g. “This Flight Release does not supersede the requirement for RF Spectrum Certification.”



# Recommendation

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- **Recommendation:**

Approve

Disapprove

- **Potential safety/design impact to currently fielded fleet:**

Significant

Insignificant

Checking 'Significant' above will help TAA determine need to inform program offices of urgent safety/design issue