



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

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**ELECTROMAGNETIC  
COMPATIBILITY &  
TELECOMMUNICATIONS**

**NVLAP LAB CODE 200422-0**

**Immunity**

**Designation**

**Description**

RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160D (1997)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effects
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effects
RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160D (1997)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input

*For the National Voluntary Laboratory Accreditation Program*



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RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 20.4: RF Susceptibility, Conducted
RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160D (1997)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility

**MIL-STD**

**Designation**

**Description**

MIL-STD-1275A	Characteristics of 28 Volts DC Electrical Systems in Military Vehicles
MIL-STD-1275A Notice 1	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1275A Notice 2	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1275B Notice 1	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1275D	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1399 Section 070	Interface standard for shipboard systems, Section 070 - Part 1- DC Magnetic Field Environment
MIL-STD 1399 Section 300A	Interface standard for Shipboard Systems: Electric Power, Alternating Current
MIL-STD-461A	Electromagnetic Interference Characteristics Requirements for Equipment (CE03, CE04, RE02, RS03)
MIL-STD-462: 1967 with Notices 1, 2, 3, 4, 5, 6	Military Standard, Electromagnetic Interference Characteristics, Measurement of. Notice 1:1968; Notice 2:1970; Notice 3: 1971; Notice 4:1980; Notice 5:1986; Notice 6:1987 (CE03, CE04, RE02, RS03)
MIL-STD-704, (1959)	Aircraft Electrical Power Characteristics



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Table with 2 columns: Standard Reference and Description. Includes MIL-STD-704 revisions A-F and DEF-STAN 59-411 Part 3 and 61-5 Part 6.

MIL-STD: Conducted Emissions

Table with 2 columns: Designation and Description. Lists various MIL-STD-461 and MIL-STD-462 emission test methods.



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Table with 2 columns: Standard Reference (e.g., MIL-STD-462, CE03) and Description (e.g., Conducted Emissions, Power and Interconnecting Leads, 0.015 to 50 MHz)

MIL-STD: Conducted Susceptibility

Designation

Description

Table with 2 columns: Designation (e.g., MIL-STD-461G, CS101) and Description (e.g., Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz)



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MIL-STD-461G, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461E, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461F, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461G, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461E, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461F, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461G, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461E, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461F, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461G, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461E, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461F, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461G, CS117	Conducted Susceptibility, Lightning Induced Transients, Cables and Power Leads
MIL-STD-461G, CS118	Personnel Borne Electrostatic Discharge (ESD)
MIL-STD-462, CS01	Conducted Susceptibility, Power Leads, 30 Hz to 50 kHz
MIL-STD-462C, CS01	Conducted Susceptibility, Power Leads, 30 Hz to 50 kHz
MIL-STD-462, CS02	Conducted Susceptibility, Power Leads, 0.05 to 400 MHz
MIL-STD-462C, CS02	Conducted Susceptibility, Power and Interconnecting Control Leads, 0.05 to 400 MHz
MIL-STD-462 Method CS03/CS04/CS05	Conducted Susceptibility, Intermodulation, Cross-modulation
MIL-STD-462C, CS03	Intermodulation, 15 kHz to 10 GHz
MIL-STD-462C, CS04	Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-462C, CS05	Cross-modulation, 30 Hz to 20 GHz
MIL-STD-462, CS06	Conducted Susceptibility, Spikes, Power Leads



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Table with 2 columns: Standard Reference (e.g., MIL-STD-462C, CS06) and Description (e.g., Conducted Susceptibility, Spikes, Power Leads)

MIL-STD: Radiated Emissions

Table with 2 columns: Designation (e.g., MIL-STD-461G, RE101) and Description (e.g., Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz)



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Table with 2 columns: Standard ID (e.g., MIL-STD-461G, RE102) and Description (e.g., Radiated Emissions, Electric Field, 10 kHz to 18 GHz)

MIL-STD: Radiated Susceptibility

Table with 2 columns: Designation (e.g., MIL-STD-461G, RS101) and Description (e.g., Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz)



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MIL-STD-461F, RS105	Radiated Susceptibility, Transient Electromagnetic Field
MIL-STD-462, RS01	Radiated Susceptibility, Magnetic Field, 0.03 to 50 kHz
MIL-STD-462C, RS01	Radiated Susceptibility, Magnetic Field, 0.03 to 50 kHz
MIL-STD-462, RS02	Radiated Susceptibility, Magnetic and Electric Fields, Spikes and Power Frequencies
MIL-STD-462C, RS02	Radiated Susceptibility, Magnetic and Electric Fields, Spikes and Power Frequencies
MIL-STD-462, RS03	Radiated Susceptibility, Electric Field, 14 kHz to 40 GHz (Consult laboratory for field strengths available)
MIL-STD-462, RS03	Radiated Susceptibility, Electric Field, 14 kHz to 40 GHz, employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
MIL-STD-462C, RS03	Radiated Susceptibility, Electric Field, 14 kHz to 40 GHz
MIL-STD-462 RS06	Radiated Susceptibility, Electromagnetic Field, Switching Pulses (Chattering Relay)
MIL-STD-462D, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-462D, RS103	Radiated Susceptibility, Electric Field, 10 kHz to 40 GHz
MIL-STD-462D, RS105	Radiated Susceptibility, Transient Electromagnetic Field