



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

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**ELECTROMAGNETIC  
COMPATIBILITY &  
TELECOMMUNICATIONS**

**NVLAP LAB CODE 200422-0**

**Emissions**

**Designation**

**Description**

MIL-STD 1399 Section 300A	Interface standard for Shipboard Systems: Electric Power, Alternating Current
MIL-STD-704, (1959)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision A (August 9, 1966)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision B (November 17, 1975)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision C (December 30, 1977)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision D (September 30, 1980)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision E (May 1, 1992)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision F (March 12, 2004)	Aircraft, Electric Power Characteristics

**Immunity**

A handwritten signature in black ink, appearing to read "Peter J. Gorman".

*For the National Voluntary Laboratory Accreditation Program*



**ELECTROMAGNETIC COMPATIBILITY  
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**Designation**

**Description**

RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
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 15: Magnetic Effect
RTCA/DO-160D (1997)	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 22: Lightning Induced Transient Susceptibility
RTCA/DO 160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effects
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160E (2004)	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 15: Magnetic Effect
RTCA/DO-160F (2007)	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 22: Lightning Induced Transient Susceptibility
RTCA/DO-160G (2010)	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 16: Power Input
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 20.4: RF Susceptibility, Conducted
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
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



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- 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

Designation

Description

- MIL-STD-1399 Section 070 Interface standard for shipboard systems, Section 070 - Part 1- DC Magnetic Field Environment
MIL-STD-462C, CE03 Conducted Emissions, Power and Interconnecting Leads, 0.015 to 50 MHz
MIL-STD-462C, CE06 Conducted Emissions, Antenna Terminals 10 kHz to 26 GHz
MIL-STD-462C, CE07 Conducted Emissions, Power Leads, Spikes, Time Domain
MIL-STD-462C, CS01 Conducted Susceptibility, Power Leads, 30 Hz to 50 kHz
MIL-STD-462C, CS02 Conducted Susceptibility, Power and Interconnecting Control Leads, 0.05 to 400 MHz
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-462C, CS06 Conducted Susceptibility, Spikes, Power Leads
MIL-STD-462C, CS09 Conducted Susceptibility, Structure (Common Mode) Current, 60 Hz to 100 kHz
MIL-STD-462C, CS10 Conducted Susceptibility, Damped Sinusoidal Transients, Pins and Terminals, 10 kHz to 100 MHz
MIL-STD-462C, CS11 Conducted Susceptibility, Damped, Sinusoidal Transients, Cable, 10 kHz to 100 MHz
MIL-STD-462C, CS14 MIL-STD-462 Version C Method CS14
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-461A Electromagnetic Interference Characteristics Requirements for Equipment (CE03, CE04, RE02, RS03)
MIL-STD-462C, RE01 Radiated Emissions, Magnetic Field, 0.03 to 50 kHz
MIL-STD-462C, RE02 Radiated Emissions, Electric Field, 14 kHz to 10 GHz



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MIL-STD-462C, RE03	Radiated Emissions, Spurious and Harmonics, Radiated Technique
MIL-STD-462C, RS01	Radiated Susceptibility, Magnetic Field, 0.03 to 50 kHz
MIL-STD-462C, RS02	Radiated Susceptibility, Magnetic and Electric Fields, Spikes and Power Frequencies
MIL-STD-462C, RS03	Radiated Susceptibility, Electric Field, 14 kHz to 40 GHz

**MIL-STD-462: Conducted Emissions**

**Designation**

**Description**

MIL-STD-462, CE01	Conducted Emissions, Power and Interconnecting Leads, Low Frequency (up to 15 kHz)
MIL-STD-462, CE02	Conducted Emission, 30 Hz to 20 kHz, Control and Signal Leads
MIL-STD-462, CE03	Conducted Emissions, Power and Interconnecting Leads, 0.015 to 50 MHz
MIL-STD-462, CE04	Conducted Emissions, Control and Signal Leads, 30 Hz to 20 kHz
MIL-STD-462, CE06	Conducted Emissions, Antenna Terminals 10 kHz to 26 GHz
MIL-STD-462, CE07	Conducted Emissions, Power Leads, Spikes, Time Domain
MIL-STD-462D, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-462D, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-462D, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz
MIL-STD-461E, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-461E, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-461E, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz
MIL-STD-461F, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-461F, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-461F, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz
MIL-STD-461G, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-461G, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-461G, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz

**MIL-STD-462: Conducted Susceptibility**



**ELECTROMAGNETIC COMPATIBILITY  
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**Designation**

**Description**

MIL-STD-462, 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-462 Method CS03/CS04/ CS05	Conducted Susceptibility, Intermodulation, Cross-modulation
MIL-STD-462, CS06	Conducted Susceptibility, Spikes, Power Leads
MIL-STD-462, CS07	Conducted Susceptibility, Squelch Circuits
MIL-STD-462, CS09	Conducted Susceptibility, Structure (Common Mode) Current, 60 Hz to 100 kHz
MIL-STD-462, CS10	Conducted Susceptibility, Damped Sinusoidal Transients, Pins and Terminals, 10 kHz to 100 MHz
MIL-STD-462, CS11	Conducted Susceptibility, Damped, Sinusoidal Transients, Cable, 10 kHz to 100 MHz
MIL-STD-462, CS12	Conducted Susceptibility, Common-mode cable current pulse, interconnecting power
MIL-STD-462, CS13	Conducted Susceptibility, Single Wire coupled pulse
MIL-STD-462D, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 50 kHz
MIL-STD-462D, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-462D, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-462D, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-462D, CS109	Conducted Susceptibility, Structure Current, 60 HZ to 100 kHz
MIL-STD-462D, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 400 MHz
MIL-STD-462D, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-462D, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461E, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz
MIL-STD-461E, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-461E, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-461E, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-461E, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz



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MIL-STD-461E, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461E, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461E, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461F, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz
MIL-STD-461F, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-461F, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-461F, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-461F, CS106	Conducted Susceptibility, Transients, Power Leads
MIL-STD-461F, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461F, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461F, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461F, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461G, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz
MIL-STD-461G, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-461G, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-461G, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-461G, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461G, 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-461G, CS117	Conducted Susceptibility, Lightning Induced Transients, Cables and Power Leads
MIL-STD-461G, CS118	Personnel Borne Electrostatic Discharge (ESD)
MIL-STD-461G, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz

MIL-STD-462: Radiated Emissions

<b><u>Designation</u></b>	<b><u>Description</u></b>
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MIL-STD-462, RE01	Radiated Emissions, Magnetic Field, 0.03 to 50 kHz
MIL-STD-462, RE02	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-462, RE03	Radiated Emissions, Spurious and Harmonics, Radiated Technique
MIL-STD-462D, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-462D, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-462D, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz
MIL-STD-461E, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461E, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-461E, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz
MIL-STD-461F, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461F, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-461F, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz
MIL-STD-461G, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461G, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-461G, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz

**MIL-STD-462: Radiated Susceptibility**

<b><u>Designation</u></b>	<b><u>Description</u></b>
MIL-STD-462, 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-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-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



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MIL-STD-462D, RS105	Radiated Susceptibility, Transient Electromagnetic Field
MIL-STD-461E, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461E, RS103	Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz
MIL-STD-461E, RS105	Radiated Susceptibility, Transient Electromagnetic Field
MIL-STD-461F, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461F, RS103	Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz
MIL-STD-461F, RS105	Radiated Susceptibility, Transient Electromagnetic Field
MIL-STD-461G, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461G, RS103	Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz
MIL-STD-461G, RS105	Radiated Susceptibility, Transient Electromagnetic Field



United States Department of Commerce  
National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2005**

NVLAP LAB CODE: 200422-0

**Dayton T. Brown, Inc.**  
Bohemia, NY

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

**Electromagnetic Compatibility & Telecommunications**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2016-12-21 through 2017-12-31

*Effective Dates*



*[Signature]*  
For the National Voluntary Laboratory Accreditation Program