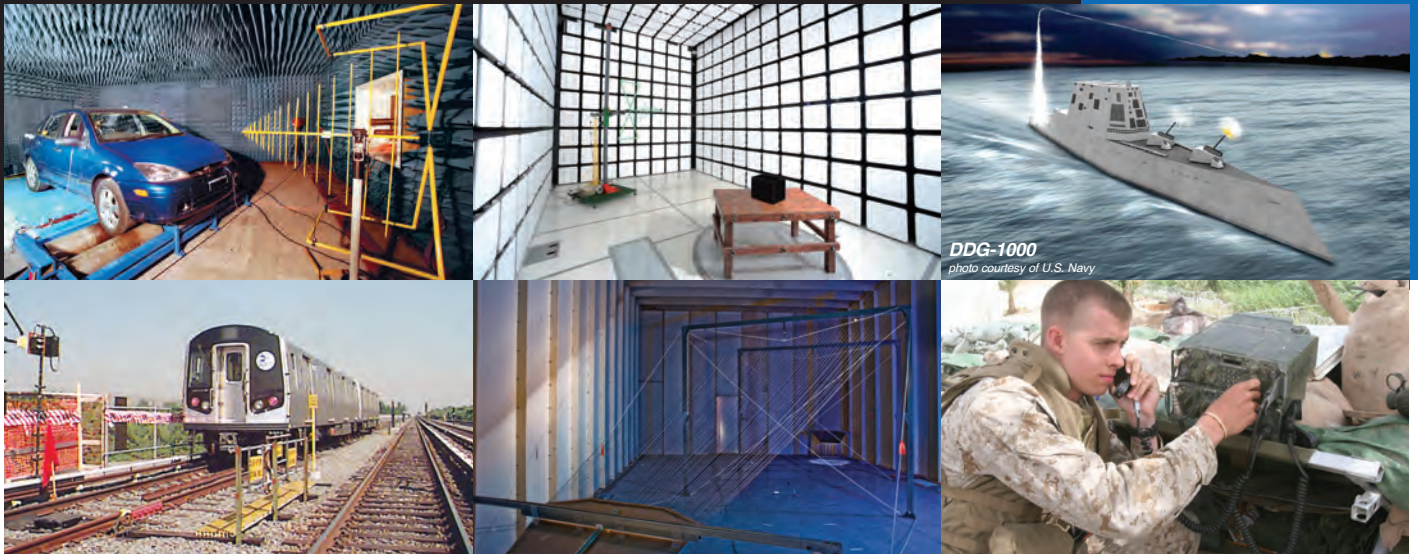


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- RTCA/DO-160, including- Lightning Testing
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MILITARY

- MIL-STD-461/MIL-STD-462
- Naval MIL-STD-1399
- Components MIL-STD-202
- Military Vehicle MIL-STD-1275
- Aviation MIL-STD-704
- TEMPEST, EMP, HIRF, Lightning

EC DIRECTIVES

- EMC/Medical/Low Voltage
- Safety/Machinery

TELECOMMUNICATIONS / ITE

- FCC Part 15/Part 68
- IEEE/ANSI C 62.41

SPACE SYSTEMS

- NASA
- JSP-30237, 30238

AUTOMOTIVE

- SAE J1113/J551
- GM/Ford/Chrysler
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ELECTRICAL & EMC TESTING SERVICES

Basic Measurements

Resistance, Capacitance, Inductance, Residual Magnetic Field, Frequency, Voltage, Current, Leakage Current, Volt-Amperes, Power, Power Factor, Impedance, Contact Resistance, Contact Bounce, Gain, Insulation Resistance, Insertion Loss, Return Loss, Crosstalk, Frequency Response, and VSWR

Basic Electrical Tests

Dielectric Strength, AC Input Power Variations, DC Input Power Variations, Voltage Spike, Electrostatic Discharge, Bonding Compliance, Temperature Rise, Surge, Transients, and Harmonics

EM/EMC

Conducted Emissions (Frequency and Time Domain)

Radiated Emissions (facilities: OATS, GTEM, Shielded Anechoic Room, Shielded Solid Room, Reverb Mode, and Site Surveys)

TEMPEST

Magnetic Field Emissions

Shielding Effectiveness

Conducted Immunity (methods: Audio, RF, Power Handling, Bulk Current Injection, EFT, Voltage Spike, EMP and Lightning)

Radiated Immunity (facilities: GTEM, Shielded Anechoic Room, Shielded Solid Room, Reverberation, Stripline, Triplate; capabilities 10 KHz-40 GHz, 200 V/m+) EMP

HIRF (System Level and Full Aircraft)

Magnetic Field Immunity (capabilities 20 Gauss on large items)

Lightning Testing (Indirect Effects; Multiple Burst/Multiple Stroke; in accordance with RTCA/DO-160 Section 22, SAE ARP5412, EUROCAE/ED-14E, FAA AC:20-136, SAE AE4L, MIL-STD-1757).

Note: The above specifications are the most frequently used. Similar tests can be provided for other specifications or for individual requirements.



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