



## ***MIL-STD 461F Course***

**Presented by Washington Laboratories, Ltd.**

### **Location:**

Washington Laboratories Ltd.  
7560 Lindbergh Drive, Gaithersburg MD 20879  
301-216-1500

### **Instructor:**

[Steve Ferguson](#)

### **Course Description:**

Approved on December 10, 2007, MIL-STD-461F was released superseding MIL-STD-461E.

MIL-STD-461F testing will be presented, including the new/modified test methods and test article configurations. This course offers critical information for military compliance professionals, testing industry professionals, and developers involved with electronics systems development. Hands-on instruction in MIL-STD-461 test and measurement methods along with analysis of the test results will be covered.

#### **Objectives**

The focus of this course is on performing the testing, reducing and understanding the data and managing test problems. It features practical methods-based instruction with laboratory measurements demonstrations and hands-on performance of test setups.

This course is recognized by iNARTE as one of their approved training course related to EMC. In addition, the last day afternoon of the course is allocated for participation in the iNARTE examination if registrations are received from iNARTE.

### **Who Should Attend:**

- Test Engineers
- Test Technicians
- Anyone who interprets MIL-STD data
- Anyone who troubleshoots MIL-STD equipment
- MIL-STD Design Engineers

[www.wll.com/mil\\_std\\_461course.html](http://www.wll.com/mil_std_461course.html)

**Course Outline:** The following will be covered during the four-day course:

<ul style="list-style-type: none"> <li>• Basic Concepts of Electromagnetic Effects</li> <li>• Terms and Definitions</li> <li>• EMI – The Problem</li> <li>• Measurement Units</li> <li>• The Decibel</li> <li>• Electromagnetic Environment</li> <li>• Standards</li> <li>• MIL-STD-464A</li> <li>• MIL-STD-461</li> <li>• Data Item Descriptions</li> <li>• Managing your EMI/EMC test program</li> <li>• Emissions and Susceptibility</li> <li>• General concepts</li> <li>• Test Requirements and Methods</li> <li>• General Requirements</li> <li>• Facility requirements</li> <li>• Configuring the test article</li> <li>• Conducted Emissions</li> <li>• CE101 *</li> <li>• CE102 *</li> <li>• CE106</li> </ul>	<ul style="list-style-type: none"> <li>• Conducted Susceptibility</li> <li>• CS101 *</li> <li>• CS103</li> <li>• CS104</li> <li>• CS105</li> <li>• CS106</li> <li>• CS109</li> <li>• CS114 *</li> <li>• CS115 *</li> <li>• CS116 *</li> <li>• Radiated Emissions</li> <li>• RE101 *</li> <li>• RE102 *</li> <li>• RE103</li> <li>• Radiated Susceptibility</li> <li>• RS101 *</li> <li>• RS103 *</li> <li>• RS105</li> <li>• Instrumentation</li> <li>• Summary and Review</li> </ul>
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\* Test methods with group laboratory testing as part of the course. All test methods will include a detailed discussion.

\* Includes Course Completion Certificate \* Includes Course and Reference Materials

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**Fee/Registration:**

Registration fee is US\$2,200 per student.

Early registration: US\$2,100 per student (Register more than 30 days prior to a scheduled course start date to qualify)

Payment in advance via check, VISA or MasterCard preferred credit cards or bank transfer (ask for transfer details).

For registration and payment received one month prior to course, deduct \$100. For three or more participants from an organization and payment received one month prior to course, deduct \$200 each.

Click [HERE](#) to register

Suggestions for Accommodation

Visit <http://www.wll.com/hotels.html>

[www.wll.com/mil\\_std\\_461course.html](http://www.wll.com/mil_std_461course.html)