

Who Should Attend:

Those responsible for determining compliance with FCC Rules and Regulations, including:

- Product Managers and Developers
- EMC Engineers and test technicians
- Regulatory Compliance Managers
- Test Instrumentation Developers
- Calibration technicians
- Calibration and measurement accreditation bodies
- Lab quality assessors
- Test instrumentation and chamber manufacturers

Hotel Arrangements are the responsibility of the attendee. UL has suggested that The Hyatt Hotel, Deerfield, IL is suitable. For hotel info visit:

<http://deerfield.hyatt.com/hyatt/hotels/index.jsp>

Agenda

June 15: 8:30 am Registration
Class: 9:00 am to 5:00 pm
June 16: Class: 9:00 am to 5:00 pm



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PROFESSIONAL DEVELOPMENT

C63[®]

Presents

ANSI C63.10 Workshop
(Approved by the IEEE for
CEU credits)

Underwriters Laboratory
Northbrook, IL

June 15-16, 2010

Price: \$950 Before June 1st
(Discount for C63[®], EMCS and iNARTE
Members)

Note: Continental breakfasts and lunches will be provided each day
Transport will be provided to and from the Hyatt Hotel Deerfield

Register
ing:  by visit-

A Personal Credential For The
21st Century Professional

The New ANSI C63.10 Standard:

This workshop is intended to cover a new standard, ANSI C63.10, containing procedures for testing compliance of a wide variety of unlicensed wireless devices. This new standard (published on September 10, 2009) has for the first time gathered in one place all the reference material needed for performing such tests which were before in a plethora of documents, e.g. FCC Rules, Knowledge Data Base (KDB), rulemaking documents, ANSI C63.4, etc. The devices covered in the standard include: remote control and security transmitters, Frequency Hopping and Digital Communication Spread Spectrum devices, anti-pilferage devices, cordless telephones, wireless medical transmitters, Unlicensed National Information Infrastructure Devices, Intrusion Detectors, Unlicensed Wireless Devices below 30 MHz, Automatic Vehicle Identification Systems and other devices authorized under Part 15 of the FCC Rules and Regulations.

The workshop will be combination of classroom presentations and actual laboratory demonstrations of selected measurements in a semi anechoic chamber using test instrumentation that is needed for such tests. The lab demos are intended to highlight the nuances of making some of the more challenging measurements with on the application and practical use of the standard.

In the C63.10 workshop, you will learn:

- Overview and application of standard to regulatory requirements for unlicensed wireless devices
- Instrumentation and test facilities
- Facility and instrumentation
- General measurement considerations
- Standard test methods
 - Line conducted below 30 MHz
 - Radiated (10 kHz to 40 GHz)
 - Antenna port conducted
 - Frequency stability
 - OBW and bandedge tests
 - Output power
 - Power spectral density
 - In-situ tests
- Specific tests
 - Handset codes
 - Frequency pairing
 - Input power
 - Devices w/periodic emissions
 - Rationale for the test selected
 - Av. value of pulse emissions
 - Frequency hopping devices
 - mm wave devices
 - Transmitter etiquette
 - UWB devices



Expert Instructors:

The Workshop features leading industry experts and ANSI ASC C63® members, including:



Art Wall (Radio Regulatory Consultants, Inc.)—lead instructor,



Mike Windler General Manager responsible for the operation of the EMC and NEBS laboratories of Underwriters Laboratories Inc. in North America



Bob Delisi Senior Staff Engineer Underwriters Laboratories, Inc., Melville, NY



Bill Hurst Chief, Technical Research Branch, Federal Communications Commission Office of Engineering and Technology, Laboratory Division

Date and Location

June 15-16, 2010
Underwriters Laboratories
Northbrook, IL
(Transportation will be provided to/from UL and the Hyatt Hotel, Deerfield.)

Fee Includes:

Lecture notebook, copy of the standard, lunch, breaks, and completion certificate.