Evaluation • Effects • Standards

Designed to train professionals in non-ionizing radiation evaluation and management techniques. Limited class size makes this an ideal hands-on experience.

Who Should Attend

- Industrial Hygienists
- Safety Professionals
- Engineers
- Insurance Professionals
- Managers in Industry, Government, and Service Organizations

Focus

- Determining compliance with major standards
- Evaluating the risk potential of various sources of non-ionizing radiation
- Setting up a non-ionizing radiation safety program
Foundation
We’ll get you ready to conduct and document a survey with a solid background in electromagnetic radiation characteristics, health effects, standards, and instrument design and limitation.

A Hands-On Experience
With ideas mastered, you’ll be ready for practical instruction. We’ll give you a full day to test your knowledge using a broad range of instruments. And you’ll have the personal attention that’s only possible in a small group.

PREREQUISITE
A professional background in science, engineering, or environmental health and safety is highly desirable.

Non-Ionizing Radiation
SURVEY TRAINING COURSE

DAY ONE
- Introduction
- Theory
- Instrument Overview
- Detector Designs

DAY TWO
- Effects and Definitions
- Standards Overview
- Antenna Designs and Calculations
- Introduction to Surveys

DAY THREE
- Performing Surveys
- Documenting a Survey
- Course Review

CREDITS
The American Board of Industrial Hygiene (ABIH) has approved this course for three certification (CM) points.
**Why You Should Attend**

Recent media interest in very low level sources of non-ionizing radiation – cellular phones, VDT's, appliances, power lines – has reminded us to focus on the possibility of hazardous conditions in occupational areas.

Tens of thousands of occupational situations involve potentially hazardous exposure to non-ionizing radiation – exposure that could be at, near, or above recognized safety standards. Industrial uses outside the electronics industry and the military continue to grow. RF heat sealers and welders, induction heaters, microwave dryers, and semiconductor processing equipment join communications and radar systems in their use of high power electromagnetic sources.

We must manage these sources with knowledge and responsibility.

**What You Will Learn**

When you complete this training course, you will know how to evaluate and manage potential sources of non-ionizing radiation.

The new IEEE C95.1-1999/ANSI C95.1-1992 Standard, Canada’s Safety Code 6, and the United Kingdom’s NRPB GS11 Guideline are the basis of this course which covers health effects from exposure to non-ionizing radiation from sources operating from 3 kHz to 300 GHz. It provides a broad background in the characteristics and generation of electromagnetic radiation by a variety of sources. Instrument designs, applications, and limitations are discussed in detail.

Survey techniques, calculations, and documentation are emphasized. Several types of emitters provide practical hand-on experience operating a broad variety of instruments.

In a small work-group setting, you will make electric field, magnetic field, induced current, and contact current measurements. Sources are made available to provide a realistic measurement experience.
Registration
Fill out the form on the next page, and send to us:

BY MAIL (up to two weeks prior to start of class) to:
Narda Seminar Center
28 Brandywine Drive
Deer Park, NY  11729
You will receive confirmation by return mail.

BY E-MAIL:  seminar@L-3COM.com

BY FAX:  (631) 586-4008

BY TELEPHONE:  (631) 243-0838

CONFIRMATION PACKET
Once your registration is confirmed, you will receive a detailed packet on the course-site hotel and airport-to-hotel transportation.

Cost
The registration fee for this includes all instructional materials and lunch each day. The price for individuals is $975. Discounts are available for federal and state employees, and for groups of five or more. Air fare and hotel discounts are available to everyone. Payment can be made with Master-Card, Visa, American Express, company check, or purchase order.

HOTEL ACCOMMODATIONS
Hotel reservations should be made directly with the Sheraton Hotel in Smithtown (631) 231-1100. For a preferred rate, be sure to mention that you are attending a Narda Training Course.

REFUND POLICY
100%  Up to 2 weeks prior to class
50%  Up to 1 week prior to class

Narda Safety Test Solutions Products are designed and manufactured by Narda, an L-3 Communications company, in their Hauppauge, NY and Pfullingen, Germany facilities.
Registration Form

YES, Please sign me up for the three-day Survey Training Course checked below

☐ Session H063 - June 24-26, 2003
Classes will be held at the Company headquarters in Hauppauge, Long Island, New York and the nearby Sheraton Hotel.

Mailing Address
NAME _____________________________________________
TITLE ______________________________________________
COMPANY _________________________________________
ADDRESS __________________________________________
CITY/STATE/ZIP______________________________________
TELEPHONE (          ) _________________________
FAX               (          ) _________________________

Payment Method
☐ My Company Check/Money Order made out to L-3 Communications – Narda is enclosed.
☐ My P.O.# is____________________________________
   Bill my ☐ VISA ☐ MasterCard ☐ AmEx
   ACCOUNT # ______________________________________
   ___________________________________________
   SIGNATURE                          EXP. DATE

Please send me information on
☐ Future 3-Day Courses
☐ 1-Day Communication Seminars (various cities)
☐ 1-Day Industrial Seminars (various cities)
☐ Custom In-House Courses

Send this Registration Card to:
Narda Seminar Center
28 Brandywine Drive
Deer Park, NY 11729
FAX 631-586-4008 • TEL 631-243-0838
Here’s What Attendees Say...

“Great course with highest caliber personnel. Informed me thoroughly on items of interest... specifically helpful to me in developing an RF RADIATION SAFETY PROGRAM...Thanks to all, fantastic course of instruction...”

Bill Fairing
Martin Marietta, Norristown, PA

“The information in the text is a valuable addition to my reference library...”

Gregory King
Merck & Co., Rahway, NJ

“A very good introductory course...Bob Johnson [instructor] is an excellent ambassador for Narda...

Eugene Russell
EG & G, Las Vegas, NV

“Very helpful, and gave me much to consider in future measurements...”

Thomas White
Varian, Beverly, MA

Past attendees are from these organizations:

- AT & T Communications
- CNA Insurance
- State of Florida
- Satellite Transmissions
- Pactel Cellular
- Callanan Co.
- EG & G
- Merck & Co.
- NOAA/National Weather Service

Narda knows the potential danger of non-ionizing radiation and is continuously creating and refining instruments to gather the significant data essential for environmental and occupational safety. With accuracy as a benchmark and sensitive to corporate liability issues, the Company has developed a comprehensive approach to non-ionizing radiation safety in the workplace.

Narda products account for more than 95% of the world’s patents in non-ionizing radiation safety equipment. The preferred choice of knowledgeable individuals, Narda equipment is relied on for accurate measurements in any signal environment.