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Section 2.2.3.1:

## Graduate Study Program Workshop

a two day workshop

### Course Overview

This two day intensive course is designed to provide your organization with an in-house lightning safety expert. Attendees will learn about the nature of lightning; how it strikes buildings and structures; how lightning currents flow into building power, telecommunications, data and signal lines. They will learn how to evaluate the lightning risk for facilities and how to specify an effective lightning protection and grounding system. The course also covers practical aspects of transient overvoltages protection of electrical and electronic equipment as well as performance and installation of various lightning safety equipment.

### Who Should Attend the Certification Course?

The non-technical course is designed for responsible managers, specifying architects and engineers, and supervisory personnel. Useful, but not essential, backgrounds will include: 1- Engineering or Technical; 2- Risk Management or Safety ; 3- Loss Control or Hazard Analysis; 4- Facilities Management.

### Graduate Study Program (GSP) Designation.

A course examination is given. Class graduates will receive NLSI's *GSP* accreditation with Diploma, attesting to completion of the Advanced Study Program. The tuition is \$895.00 per person.

### Class Location & Size

Locations and schedules vary according to demand. Class size is limited

to 15-20 attendees.

## **Class Hours**

Classes are scheduled from 9:00 AM to 5:00 PM.

## **Class Format**

Classes are informal with frequent question-and-answer dialogs. Videos, slides, and overhead transparencies are integrated into the lesson plan. A complete Lesson Plan Workbook is provided students at Registration. Texts and other documents provided for students include:

1. 1997 NFPA-780, Installation Recommendation for Lightning Protection.
2. "Lightning" (M. Uman), or "The Lightning Book" (P. Viemeister).
3. "Lightning - Understanding It and Protection from Its Effects" (R. Hasbrouck).
4. "Lightning Safety", DOE/EH-0530, Issue No. 96-04.
5. "A Guideline for Lightning Safety at DOE Facilities" (R. Kithil)

## **Instructor**

Richard Kithil, President and CEO, NLSI.

Kithil is the author of more than 75 articles and publications about lightning safety. He is a national authority on lightning safety issues and frequently is quoted in the media. He serves as an expert witness in lightning-related litigation. His consulting work includes government agencies such as USAF, DoD, DOE, NASA, NWS, EPA, NOAA, & NWS.

*Training in Lightning Safety can be provided by the National Lightning Safety Institute*

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***National Lightning Safety Institute, 891 N. Hoover Ave., Louisville, CO 80027***