

COMPEX FOUNDATION NEC 500

Course overview

This unit is part of training and certification for personnel who work on equipment for use in explosive atmospheres.

The training is designed to provide companies with a method to raise Hazardous area awareness for their employees, with an internationally recognized competency certificate.

For this reason, assessment of the knowledge delivered in the course will be an essential part of the training.

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COURSE OBJECTIVES

Upon completion of the CompEx Foundation course, the student will demonstrate the following:

- Basic understanding of NEC 500 - Class & Division
- Understand the need for additional protections in HAZLOC's
- Demonstrate a basic understanding of equipment markings
- Understand activities that are and are not allowed in these areas/this type of equipment

PREREQUISITES

- None

*COURSE NUMBER
EUTEX-CMP-100-
500 FOUNDATION*



THEORY CONTENTS

- NEC 500 code of practice
- API RPI 500 for area classification
- API RP 14 F for class and division electrical equipment
- Hazardous location requirements
- Ignition sources of gas and dust
- Intro to area classification
- Equipment for use in explosive atmospheres
- Types of protection
- Markings



LEARNING TECHNIQUES

In order to provide the highest quality training experience, this course consists of the following instructional elements:

- **Instructor-led presentation** – The core elements of skill will be presented and demonstrated in a classroom environment.
- **Final exam** – The Final exam is closed book as a measure of understanding.
- **Documentation** – The attendee will receive an attendance certificate from EUTEX. Upon successfully passing the exam, attendees will receive a CompEx Foundation Certificate valid for 5 years.

All CompEx courses are based upon IEC Standards, primarily IEC 60079: Parts 10; 14 & 17 and NEC Code 500 provide certification suitable as a competency validation.

EUTEX
INTERNATIONAL



COURSE DETAILS



Target Audience

Entry level individuals (new to EX and hazardous area locations)



Location

All EUTEX training centers or client's premises via mobile facility. (Subject to minimum candidates).



Duration

Two business day from 8:00 AM to 4:00 PM