



TEXO SAFETY FIRST SYLLABUS

INTRODUCTION

General Information registration orientation

Facilities and course structure overview

- i. Overview of emergency response and evacuation procedures and the facilities.
- ii. Overview of course outline, key point use and student expectations.

MODULE 1 – GENERAL SAFETY AND HEALTH PROVISIONS

Terminal Objectives:

Upon completion of this Module participants will acquire knowledge to recognize the importance of an integral safety culture as well as the general OSHA workplace safety and health requirements found in 1926 Subpart C and E.

Module Topics:

- General jobsite safety requirements
- Industry best practices
- Benefits to good housekeeping
- Personal protection equipment

Participant will be able to:

- Identify workplace hazards pertaining to construction sites/ housekeeping and apply best safe practices.
- Learn how to properly select, inspect, don, doff and utilize personal protective equipment.

MODULE 2 – HEALTH HAZARDS IN CONSTRUCTION

Terminal Objectives:

Upon completion of this Module participants will understand how to recognize potential chemicals used and the health hazards associated with construction sites and general requirements found in 1926 Subpart D and Subpart Z.

Module Topics:

- Heat Stress
- Hazard Communication
- Globally Harmonized System/SDS/Pictograms
- Silica

Participant will be able to:

- Identify potential risks associated with common chemicals and silica exposures associated with construction sites.
- Proper methods of exposure prevention, application of hierarchy of controls.
- How to understand SDS and use the GHS labeling required.
- Proper use, storage and disposal of hazardous chemicals.

MODULE 3 – 6 FOCUS FOUR TOPICS THE FOUR MAJOR AREAS OSHA HAS IDENTIFIED FOR FATALITIES IN THE CONSTRUCTION INDUSTRY.

- Falls
- Electrocution
- Struck By
- Caught-In or Between

MODULE 3 – FALLS

Terminal Objectives:

Upon completion of this Module participants will be understand the potential for falls, methods of fall protection and the use of personal fall protection and general requirements found in 1926 Subpart E and Subpart M.

Module Topics:

- Common fall hazards
- Types of fall protection
- PFAS, selection, inspection and proper use
- Dynamics of a fall
- Practical Exercise

Participant will be able to:

- Recognize fall hazards in construction.
- Identify major fall hazards
- Describe types of fall hazards
- Protect him/herself from fall hazards
- Recognize employer requirements to protect workers from fall hazards

Practical Exercise:

- Evaluate and inspect personal fall arresting systems, don and doff and summarize findings,
- Inspect job made ladders and handrail system.

MODULE 4 – ELECTROCUTION

Terminal Objectives:

Upon completion of this Module participants will be understand the potential for electrocutions, recognize electrocution hazards in construction, methods of prevention and protection and general requirements found in 1926 Subpart I and K.

Module Topics:

- Common electrical hazards
- Control of hazardous energy
- GFCI
- Inspection and use of electrical equipment
- Removal from service requirements
- Arc flash/powerline approach distances
- Competent/Qualified person

Participant will be able to:

- Identify major electrocution hazards
- Describe types of electrocution hazards
- Protect him/herself from electrocution hazards
- Recognize employer requirements to protect workers from electrocution hazards

MODULE 5 – STRUCK BY

Terminal Objectives:

Upon completion of this Module participants will be understand the potential for struck by hazards, recognize struck hazards in construction, methods of prevention and protection and general requirements found in 1926 Subpart O and CC.

Module Topics:

- Falling objects
- Motor vehicle equipment
- Working around cranes
- Competent/Qualified person
- Signal person

Participant will be able to:

- Identify common struck-by hazards
- Describe types of struck-by hazards
- Protect themselves from struck-by hazards
- Recognize employer requirements to protect workers from struck-by hazards

MODULE 6 – CAUGHT-IN OR BETWEEN

Terminal Objectives:

Upon completion of this Module participants will be understand the potential for caught in or between hazards, recognize caught-in or between hazards in construction, methods of prevention and protection and general requirements found in 1926 Subpart P and pertaining 1910 Subpart O and J regulations.

Module Topics:

- Trenching/Excavation
- Protective systems
- Competent person
- Machine guarding
- Control of hazardous energy/LOTO
- Suspended load/fall radius

Participant will be able to:

- Identify common caught-in or -between hazards
- Describe types of caught-in or -between hazards
- Protect themselves from caught-in or -between hazards

MODULE 7 – CONFINED SPACE

Terminal Objectives:

Upon completion of this Module participants will understand how to recognize confined and permit required confined spaces and the health and physical hazards associated, monitoring requirements on construction sites and general requirements found in 1926 Subpart AA.

Module Topics:

- OSHA Definitions
- Hazardous Atmospheres
- Monitoring Procedures
- Entry Teams
- Rescue Procedures

Participant will be able to:

- Recognize confined spaces.
- Identify permit required confined spaces.
- Understand importance of monitoring practices.
- The members and duties of a confined space team.
- Be familiar with rescue procedures required for confined space operations.

MODULE 8 – SCAFFOLDS

Terminal Objectives:

Upon completion of this Module participants will understand how to recognize potential hazards associated with scaffolds use in construction sites and general requirements found in 1926 Subpart L.

Module Topics:

- Scaffold types/uses
- Common hazards
- Competent person
- Inspections
- Practical Exercise

Participant will be able to:

- Identify types of scaffold used,
- Identify potential hazards associated with scaffolds used on construction sites.
- Proper methods of inspection, requirements for safe access and use.
- Competent person, user, builder.
- Fall protection requirements.

Practical Exercise:

- Complete JSA and build a section of scaffolding properly. Summarize findings.

MODULE 9 – LADDER SAFETY

Terminal Objectives:

Upon completion of this Module participants will be recognize the potential hazards of improper use of ladders and stairs in construction, methods of prevention and protection from falls and general requirements found in 1926 Subpart X.

Module Topics:

- Stairways
- Ladder types uses
- Ladder Inspections
- Service removal requirements
- Placement 4/1 ratio

Participant will be able to:

- Recognize hazards involving stairways and ladders
- Describe types of ladders
- Protect themselves from falls in ladder use.
- Practical Exercise:
- Complete an inspection on job made and other industry ladders. Summarize findings.

MODULE 10 – FIRE PROTECTION AND PROVENTION

Terminal Objectives:

Upon completion of this Module participants will be recognize the potential fire hazards in construction, methods of prevention and protection of fires and use of workplace fire extinguishers and general requirements found in 1926 Subpart F.

Module Topics:

- Fire prevention measures
- Flammable Storage
- Ignition sources
- Extinguisher types/uses
- Distance requirements
- PASS

Participant will be able to:

- Recognize hazards involving ignition sources
- Describe types of extinguishers and uses.
- Understand practices for fire prevention.
- Be familiar with PASS procedure for extinguisher use.

TEXO SAFETY FIRST OSHA 2.5

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MODULE 1 – INTRODUCTION TO OSHA

Terminal Objectives:

Upon completion of this Module participants will acquire knowledge of the OSH Act, employers and employee rights as well as, resources OSHA provides for the health and safety of American workers.

Module Topics:

- BLS Statistics
- Explain why OSHA is important to workers
- Explain worker rights under OSHA
- Discuss employer responsibilities under OSHA
- Discuss the use of OSHA standards
- Explain how OSHA inspections are conducted
- Utilize helpful worker safety and health resources

Participant will be able to:

- Explain the importance of OSHA in providing a safe and healthful workplace to workers covered by OSHA.
- Understand employer and employee rights.
- Understand resources OSHA offers.

Practical Exercise:

- Assess a given workplace scenario and complete an OSHA compliant form.

MODULE 2 – HEALTH AND SAFETY PROGRAMS

Terminal Objectives:

Upon completion of this Module participants will acquire an understanding of the benefits to safety programs and the implementation of a positive safety culture within an organization.

Module Topics:

- Why is safety important
- Prevent of workplace injuries and illnesses
- Engaging workers
- Hazard recognition
- Costs associated with incidents
- Overview of OSHA guidance on program components

Participant will be able to:

- Explain the importance and benefits of implementing a health and safety program
- Lead by example, by practicing safe behaviors and making safety part of daily conversations.

MODULE 3 – SIGNS, SIGNALS AND BARRICADES

Terminal Objectives:

Upon completion of this Module participants will acquire an understanding of accident prevention signs, barricades and signals and the general requirements of 1926 Subpart G.

Module Topics:

- Accident prevention signs and tags types
- Signal person and requirements
- Barricades
- High visibility clothing

Participant will be able to:

- Recognize and understand types of accident prevention signs.
- Understand signal person requirements and common hand signals used.