3M | **Safety Training**

Learning Summary
Fall Protection
Authorized Person Comprehensive - 8 hrs
Course #6418

VG2.0-2020.11.09

Course Goal

To understand common fall protection safety systems as they apply to the general work environment, and learn how to select and correctly use these fall protection systems.

Course Assessments

Students will need to meet the following objectives to earn a certificate of completion in this course. Should a student miss one or more objectives, they may need to re-take the course in its entirety before being eligible to receive a certificate.

1. Complete all challenge questions and workbook exercises.

2. Properly perform the following tasks during the skills development sessions:
   - Skills Development #1 - Harness Fitting & Partner Check
   - Skills Development #2 - End-User Inspections
   - Skills Development #3 - System Analysis

3. Achieve a minimum of 70% on the closed book written test.

Learning Objectives

Working At Height	1. Appreciate the evolution and present state of fall protection. 2. Understand the importance of identifying fall hazards as they appear in the workplace. 3. Respect the gravity of working at any height. 4. Comprehend the frequency of fall accidents in the workplace. 5. Understand the dynamics of a fall event.
Fall Protection Oversight	1. Identify the applicable fall protection regulations. 2. Understand the purpose of consensus groups and the guidance they provide for fall safety. 3. Appreciate the role that safety associations and organizations play establishing best practices for fall protection. 4. Comprehend the key elements and purpose of a company specific fall protection program.
Systems & Planning	1. Discover the meaning of fall protection systems. 2. Comprehend the proper order of selection of a fall protection system. 3. Understand the concept of eliminating the fall hazard. 4. Understand requirements for the passive systems identified. 5. Understand requirements for the restraint systems identified. 6. Understand requirements for the arrest systems identified. 7. Understand requirements for the administrative controls identified. 8. Learn the purpose and contents of a fall protection plan.
Anchor Points	1. Comprehend the definition and anatomy of an anchor point. 2. Understand the parameters of certified and non-certified anchorages. 3. Appreciate and identify the applicable anchorage strength requirements. 4. Understand selection and usage principles of common anchorage connector equipment.
Body Support	1. Identify the accepted body supports for personal fall protection systems. 2. Understand the working specifications and parameters for body belts. 3. Understand the working specifications and parameters for full body harnesses. 4. Discover standard harness considerations when selecting a full body harness. 5. Learn about the harness attachment point designs for various applications. 6. Properly don a full body harness and perform a partner check.

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Connectors	
	1. Discover a variety of connecting devices.
	2. Understand the basic purpose, design, and specifications of snap hooks and carabiners.
	3. Understand the essential purpose, design, and specifications of lanyards.
	4. Comprehend and calculate free fall distances in basic applications.
	5. Understand the essential purpose, design, and specifications of energy absorbers.
	6. Comprehend and calculate standard clearance requirements.
	7. Understand the essential purpose, design, and specifications of self-retracting lifelines (SRL).
	8. Understand the essential purpose, design, and specifications of vertical lifelines and fall arresters (VLL).
	9. Understand the essential purpose, design, and specifications of horizontal lifelines (HLL).

Descent & Rescue	
	1. Identify the importance of the rescue component.
	2. Understand the rescue requirements when using a personal fall protection system.
	3. Comprehend the hazard and mitigation of suspension trauma.
	4. Understand the purpose and contents of a rescue plan.
	5. Gain awareness of basic rescue equipment and techniques.
	6. Identify common post-fall protocols.

Equipment Care	
	1. Discover general equipment care principles.
	2. Understand end-user equipment inspection requirements.
	3. Comprehend fundamental maintenance principles.
	4. Comprehend fundamental storage principles.

Work Applications	
	1. Identify possible specific regulatory requirements.
	2. Identify considerations for fall protection systems for the construction and industrial sector.
	3. Identify considerations for fall protection systems for the utilities and communications sector.
	4. Identify considerations for fall protection systems for the transportation, energy, and mining sector.
	5. Comprehend a basic overview of dropped object safety.
	6. Complete a system analysis of a personal fall arrest system.