

Parts 6, 33, and 433 -Personal Protective Equipment Standards for General Industry and Construction

Student Materials

Level Two MTI Course Consultation Education and Training Division Michigan Occupational Safety and Health Administration Michigan Department of Labor and Economic Opportunity www.michigan.gov/miosha 517-284-7720





(Revised 03/24)

Parts 6, 33, and 433. Personal Protective Equipment Safety and Health Standard for General Industry and Construction

Presented by:

Consultation Education and Training (CET) Division Michigan Occupational Safety and Health Administration Michigan Department of Labor AND Economic Opportunity

www.michigan.gov/miosha

517-284-7720















These two rules are the same in all three standards:

 Hearing protection shall be in compliance with Occupational Health Standard Part 380 "Occupational Noise Exposure," as referenced in R408.13301a.

Respiratory protection shall be in compliance with Occupational Health Standard Part 451 "Respiratory Protection," as referenced in R408.13301a.

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Part 33 - Scope

This standard shall apply to all places of general industry employment in this state and includes requirements of the employer and use by the employee of personal protective equipment and provides reasonable and adequate means, ways, and methods for the proper selection and safe use of this equipment.











Parts 6, 33 and 433 Employer and Employee Responsibilities

An employer shall not permit defective or damaged personal protective equipment to be used.



Parts 33 Employer and Employee Responsibilities

An employee shall use all the personal protective equipment provided by the employer.





Part 6 Hazard Assessment

Formal, written hazard assessment is not required in Part 6.

However, Rule 617 (4) reads:

"An employer shall require the wearing of appropriate personal protective equipment in all operations where there is an exposure to hazardous conditions or where this part indicates the need for using such equipment to reduce the hazards to the employees."

The rule implies that one must do a hazard assessment in order to know where to require PPE.



Part 6 Hand and Body Protection

- No gloves when operating rotating equipment (e.g. drill)
- Synthetic clothing precautions near flame, spark, hot surfaces
- No loose clothing, neckwear, jewelry near reciprocating or rotating machinery
- No rings unless covered by a glove or tape
- Appropriate head, body and hand protection shall be worn for hazards such as radiation, alkalies, acids, abrasives, temperature extremes





Part 6 Working Over or Near Water: Boat

Not less than one lifesaving boat equipped with a method of propulsion that is effective for the water conditions shall be available at the location where an employee works over or adjacent to water.





Table E-2 - SELECTING LASER SAFETY GLASS

INTENSITY	Y ATTENUATION	
CW Maximum Power Density (Watts/CM ²)	Optical Density (O.D.)	Attenuation Factor
10-2	5	10 ⁵
10-1	6	10 ⁶
1.0	7	107
10.0	8	10 ⁸
*10-2 Equals 1 Milliwatt.		

Part 6 Laser Protection (continued)

All protective goggles shall bear a label identifying all the following data:

- The laser wavelengths for which use is intended
- The optical density of those wavelengths
- The visible light transmission





Parts 6 and 33 Electrical Protective Equipment

Workmanship and finish shall comply with the following:

 Equipment shall be free of physical irregularities that can adversely affect the insulating properties of the equipment and that can be detected by the tests or inspections required by these rules.



Parts 6 and 33 Electrical Protective Equipment

Insulating equipment shall be inspected for damage before each day's use and immediately following any incident that can reasonably be suspected of causing damage. Insulating gloves shall be given an air test, along with the inspection.

Note: ASTM F-1236 "Standard Guide for Visual Inspection of Electrical Protective Rubber Products," 1996 Edition with 2012 supplement, as adopted in R 408.40603, presents methods and techniques for the visual inspection of electrical protective equipment made of rubber. This guide also contains descriptions and photographs of irregularities that can be found in this equipment.

TABLE D RUBBER INSULATING EQUIPMENT, VOLTAGE REQUIREMENTS			
CLASS OF EQUIPMENT	MAXIMUM USE VOLTAGE' ALTERNATING CURRENT RMS	RETEST VOLTAGE ² ALTERNATING CURRENT RMS	RETEST VOLTAGE ² DIRECT CURRENT AVG
00	500	2,500	10.000
0	1,000	5,000	20,000
1	7,500	10,000	40,000
2	17,000	20,000	50,000
3	26,500	30,000	60,000
4	36,000	40,000	70,000
¹ The maximum use voltage is the ac voltage (rms) classification of the protective equipment that designates the maximum nominal design voltage of the energized system that may be safely worked. The nominal design voltage is equal to the phase-to-phase voltage on multiphase circuits. However, the phase-to-ground potential is considered to be the nominal design voltage if either of the following occur: There is no multiphase exposure in a system area and the voltage exposure is limited to the phase-to-ground potential. The electric equipment and devices are insulated or isolated or both so that the multiphase exposure on a grounded wye circuit is removed. 			
² The proof-test voltage shall be applied continuously for at least 1 minute, but no more than 3 minutes.			





Parts 6 and 33 Electrical Protective Equipment

Protector gloves shall be worn over insulating gloves, except under the following conditions:

 Protector gloves need not be used with class 0 gloves, under limited-use conditions, when small equipment and parts manipulation necessitate unusually high finger dexterity.

Note: Persons inspecting rubber insulating gloves used under these conditions shall take extra care in visually examining them. Employees using rubber insulating gloves under these conditions shall take extra care to avoid handling sharp objects.

Parts 6 and 33 Electrical Protective Equipment

Insulating gloves that have been used without protector gloves shall not be reused until they have been tested

TABLE E RUBBER INSULATING EQUIPMENT TEST INTERVALS		
TYPE OF EQUIPMENT	WHEN TO TEST	
Rubber insulating line hose	Upon indication that insulating value is suspect and after repair.	
Rubber insulating covers	Upon indication that insulating value is suspect and after repair.	
Rubber insulating blankets	Before first issue and every 12 months thereafter; ¹ upon indication that insulating value is suspect; and after repair	
Rubber insulating gloves	Before first issue and every 6 months thereafter; ¹ upon indication that insulating value is suspect; after repair; and after use without protectors	
Rubber insulating sleeves	Before first issue and every 12 months thereafter; ¹ upon indication that insulating value is suspect; and after repair	
¹ If the insulating equipment has equipment shall not be placed previous 12 months.	been electrically tested but not issued for service, the insula into service unless it has been electrically tested within	

Parts 6 and 33 Electrical Protective Equipment

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Parts 6 and 33 Electrical Protective Equipment

The employer shall certify that equipment has been tested pursuant to the requirements of this rule. The certification shall identify the equipment that passed the test and the date it was tested and shall be made available upon request to the department of licensing and regulatory affairs director and to MIOSHA employees or their authorized representatives.

Note: Marking equipment with, and entering onto logs, the results of the tests and the dates of testing are acceptable means of meeting the certification requirement.







Part 33 Use of Head Protection

An employer shall ensure that each affected employee is provided with, and wears, head protection equipment and accessories when the employee is required to be present in areas where a hazard or risk of injury exists from any of the following:

- Falling or flying objects. (Parts 33 and 6)
- Other harmful contacts or exposures. (Parts 33 and 6)



Part 6 Use of Head Protection

Employees working in areas where there is a possible danger of head injury from impact, or from falling or flying objects, or from electrical shock and burns, shall be protected by protective helmets.



Part 33 Hair Entanglement

A hat, cap, or net shall be worn by a person where there is a danger of hair entanglement in moving machinery or equipment, or where there is exposure to means of ignition.

April 7, 2017, an employee was using a Metabo Portable Grinder to remove the paint from the shields. This is a normal task that the squires perform at least once a week or when there aren't many shows. He remembered that he was performing the task of removing the paint from the shields, and the next thing he remembers is being in the ambulance. According to the police report, his hair, which was below his shoulders, became tangled in the tool. The grinder pulled enough tension to split the skin on his scalp. A coworker summoned emergency medical personnel and the employee was transported to the medical center's shock trauma. The employee received a depressed skull fracture, which required stitches and 18 staples.







Part 6 and 33 Use of Head Protection: Class Activity

Groups of four - five participants.

Inspect and evaluate hard hats.

Look for deficiencies in integrity, assembly and end of useful life based on manufacture date of the hat.

Assume a useful life of five years.

Part 33 Multi-use of PPE by more than one employee

Rule 3313 Face and Head: "Cleaned, sanitized and in good condition" Rule 3378 Hair Enclosure: "been thoroughly sanitized" Rule 3385 Foot Protection: "cleaned, and sanitized inside and out" Rule 3393 Hand protection: "gloves shall be sanitized before reissuance"







Parts 6, 33, and 433 Payment for PPE

An employer shall provide at no cost to employees the personal protective equipment necessary to protect against hazards that the employer is aware of as a result of any required assessments.





Parts 6, 33, and 433 Payment for PPE (continued)

Employer NOT required to pay for replacement PPE if:

- Lost or intentionally damaged
- Prescription safety eyewear
- Everyday clothing including weather protection
- Upgraded and personalized PPE







Parts 6 and 33 Payment for PPE

Foot Protection:

- Not required to pay for non-specialty safety-toe protective footwear
- Provide metatarsal guards











	Date of Asso	essment:
t:		
BODY PART AFFECTED	PPE REQUIRED YES/NO	TYPE of PPE REQUIRED
	t: BODY PART AFFECTED	Date of Asso

Sample Hazard Assessment Tool	Sample PPE Walk Through Survey and Certification Department Tark Date Assess each tark for hazards using the following criteria: (1) Type of injury or illness possible (2) Probability – unlikely, likely, highly likely; and (3) Severity – death, serious injury/illness, not serious injury/illness. 1. Sources of mation – machinery, processes, tools, materials, people, etc.	
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Employer: Location*: Vorkplace Assessed Evaluated: Date(s): Name of Person Assessing/ This docum performed a Personal Pr Signature of Person Certifying:	Certification of Safety-Related PPE Hazard Assessment "Or type of work for employees not assigned to a fixed location "Or type of work for employees not assigned to a fixed location "I ent certifies that the hazard assessment has been s required by MIOSHA GI Safety Standards, Part 33, otective Equipment.	Sample Written Certification
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Sources of Temperature Extremes

- Addresses hot and cold temperatures
- Burns, eye injuries, ignition of protective equipment and/or clothing, and frostbite
- Molten metal, cold/hot objects, work in temperature extremes, etc.





Sources of Hazardous Radiation



Light radiation from welding, brazing, cutting, furnaces, heat treating, high intensity lights, etc.

Other radiation sources




Sources of Rolling or Pinching Hazards

Crushing or compression hazards









Removing Contaminated Gloves



- 1. Grasp glove at the wrist and pull inside out
- 2. Hold soiled glove in gloved hand
- 3. Slide fingers under second glove and pull inside out over soiled glove
- 4. Dispose











Parts 6, 33, and 433 When Face and Eye Protection is Required

- Flying objects or particles
- Molten metal
- Liquid chemicals
- Acids or caustic liquids
- Injurious radiation
- Radiation
- A combination of these hazards
- Chemical fumes, gases or vapors

Part 33 Only:

Harmful contacts

o Glare

- Electrical flash
- Exposures

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<section-header>Part 33
When Face and
Eye Protection is
RequiredSpecial
Protection is
RequiredCare or protection is
Special
I and a special
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- Prior to reissuing, multi-user face or eye protectors must be:
 - Cleaned,
 - o Sanitized, and
 - In good condition







Parts 33 and 433 Filtered Lenses

An employer shall ensure that each affected employee uses equipment that has filter lenses which have shade numbers appropriate for the work being performed for protection from injurious light radiation.

(2) Table 1 is a listing of appropriate shade numbers for various operations.



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Parts 33 and 433 Filtered Lenses Table 1

OPERATIONS	PLATE THICKNESS (INCHES)	PLATE THICKNESS (MM)	MINIMUM* PROTECTIVE SHADE
Gas Welding: Light Medium Heavy	Under 1/8 1/8 to 1/2 Over 1/2	Under 3.2 3.2 to 12.7 Over 12.7	4 5 6
Oxygen Cutting Light Medium Heavy	Under 1 1 to 6 Over 6	Under 25 25 to 150 Over 150	3 4 5
OPERATIONS	ELECTRODE SIZE 1/32 IN.	ARC CURRENT	MINIMUM* PROTECTIVE SHADE
Shield metal Arc welding	Less than 3 3 to 5 more than 5 to 8 more than 8	Less than 60 60 to 160 161 to 250 251 to 550	7 8 10 11
Gas metal arc welding and flux	cored arc welding	Less than 60 60 to 160 161 to 250 251 to 500	7 10 10 10
Gas tungsten arc	welding	Less than 50 50 to 150 151 to 500	8 8 10
Air carbon Arc cutting	(Light) (Heavy)	Less than 500 500 to 1000	10 11
Plasma arc welding		Less than 20 20 to 100 101 to 400 401 to 800	6 8 10 11
Plasma arc cutting	(Light)** (Medium)** (Heavy)**	Less than 300 300 to 400 401 to 800	8 9 10
Torch brazing Torch soldering Carbon arc welding			3 2 14
* As a rule of thumb, lighter shade that give oxyfuel gas welding o use a filter lens that operation.	start with a shade that is as a sufficient view of the or cutting where the torch absorbs the yellow or so	s too dark to see the wel weld zone without going b produces a high yellow dium line in the visible li	d zone. Then go to a elow the minimum. In ight, it is desirable to ght of the (spectrum)

Part 6 Filtered Lenses

Selection of shade numbers for welding filter. Table E-1 shall be used as a guide for the selection of the proper shade numbers of filter lenses or plates used in welding. Shades more dense than those listed may be used to suit the individual's needs.



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Part 6 Filtered Lenses Table E-1

TABLE E-1						
FILTER LENS SHADE NUMBERS FOR PROTECTION AGAINST RADIANT ENERGY						
WELDING OPERATION	SHADE NUMBER					
Shielded metal-arc welding 1/16-, 3/32-, 1/8-, 5/32-, inch diameter electrodes	10					
Gas-shielded arc welding (nonferrous) 1/16-, 3/32-, 1/8-, 5/32-inch diameter electrodes	11					
Gas-shielded arc welding (ferrous) 1/16, 3/32-, 1/8-, 5/32-inch diameter electrodes	12					
Shielded metal-arc welding 3/16-, 7/32-, 1/4-inch diameter electrodes	12					
5/16-, 3/8-inch diameter electrodes	14					
Atomic hydrogen welding	10 - 14					
Carbon-arc welding	14					
Soldering	2					
Torch brazing	3 or 4					
Light cutting, up to 1 inch	3 or 4					
Medium cutting, 1 inch to 6 inches	4 or 5					
Heavy cutting, over 6 inches	5 or 6					
Gas welding (light), up to 1/8-inch	4 or 5					
Gas welding (medium), 1/8-inch to 1/2-inch	5 or 6					
Gas welding (heavy), over 1/2-inch	6 or 8					





DEFINITIONS

"Hood" Means a device that is worn to provide protection against acids, chemicals, abrasives, and temperature extremes and entirely encloses the whole head including face, neck, and shoulders. Air-line hoods and hoods used to protect wearers from inhalation or harmful atmospheres are not included in this part.



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"Face shield" means a device worn in front of the eyes and a portion or all of the face, whose predominant function is protection of the eyes and face.



"Hand shield" means a handheld welding helmet. See "welding helmet".



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"Welding helmet" means a protective device intended to provide protection for the eyes and face against optical radiation and weld spatter, which shall be worn only in conjunction with spectacles or goggles.



"Snood" means a flexible attachment to the back of a hood or helmet for protection against injury to the back of the head and neck.





"Face shield" means a device worn in front of the eyes and a portion or all of the face, whose predominant function is protection of the eyes and face.



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Part 33 Face Shields continued

Typical uses:

- Woodworking operations
- Metal machining operations
- Buffing, polishing, wire brushing, and grinding operations
- Spot welding
- Handling hot or corrosive materials







When reviewing sewing machine operations:

- •Frontal protection MAY be all that is needed
- If there are more than one machine and operators are not isolated from each other BOTH frontal and side protection IS required.



Parts 33 and 433 Hand Protection

An employer shall select and require employees to use appropriate hand protection when employees' hands are exposed to hazards, such as those from any of the following:

- (a) Skin absorption of harmful substances
- (b) Severe cuts or lacerations
- (c) Severe abrasions
- (d) Punctures
- (e) Chemical burns
- (f) Thermal burns
- (g) Harmful temperature extremes



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Breakthrough time

Elapsed time between initial contact of the chemical on one side of the glove material and detection of the chemical on the other side of the glove material.

Test is conducted per the ASTM F739 Standard.



Gloves Types and Application						
Glove Material	Intended Use	Advantages and disadvantages				
Butyl rubber	Extended contact	 Good for ketones and esters Poor for gasoline and aliphatic, aromatic, and halogenated hydrocarbons 				
Neoprene	Extended contact	 Good for acids, bases, alcohols, fuels, peroxides, hydrocarbons, and phenols Good for most hazardous chemicals Poor for halogenated and aromatic hydrocarbons 				
Norfoil or Silver Shield	Extended contact	 Good for most hazardous chemicals Poor fit (Note: Dexterity can be partially regained by using a heavier weight Nitrile glove over the Norfoil/Silver Shield glove. 				
Source: LIC Berkl	ev. Environmental Safety ar	d Health Glove Selection Chart				

Gloves Types and Application						
Glove Material	Intended Use	Advantages and disadvantages				
Polyvinyl chloride (PVC)	Specific use	 Good for acids, bases, oils, fats, peroxides, and amines Good resistance to abrasions Poor for most organic solvents 				
Polyvinyl alcohol (PVA)	Specific use	 Good for aromatic and chlorinated solvents Poor for water-based solutions 				
Source: U	C Berkley, Environmental Safet	y and Health, Glove Selection Chart	112			







Part 33 Body Protec<u>tion</u>

An employer shall ensure that each employee who is required to work so that his or her clothing becomes wet due to a condition other than the weather or perspiration uses any of the following:

- Aprons
- Coats
- Jackets
- Sleeves
- Other garments that will keep his or her clothing dry



Part 33 Body Protection (continued)

The material shall be unaffected by the wetting agent.

The provision of dry, clean, acid-resistant clothing, in addition to rubber shoes or short boots and an apron, shall be considered a satisfactory substitute where small parts are cleaned, plated, or aciddipped in an open tank.



Foot and Toe Protection



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Parts 6 and 33 **Foot Protection** If a hazard is created from a process, environment, chemical, or mechanical irritant which could cause an injury or impairment to the feet by absorption or physical contact, other than from impact, then the employer shall provide any of the following to the employee: Boots **Overshoes Rubbers** Wooden-soled shoes Photo-Chicago Protective Apparel The equivalent to subdivisions (a) to (d) of this sub-rule

Part 33 Foot and Toe Protection

An employer shall ensure that each affected employee shall wear protective footwear when working in areas where any of the following occur:

(a) When the use of protective footwear will protect the affected employee from an electrical hazard, such as a static-discharge or electric-shock hazard, that remains after the employer takes other necessary protective measures.

















Definitions

"Carabiner" means a connector generally comprised of a trapezoidal or oval shaped body with a closed gate or similar arrangement that may be opened to attach another object and, when released, automatically closes to retain the object.

"Competent person" means a person who is capable of identifying existing and predictable hazards in any personal fall protection system or any component of it, as well as in their application and uses with related equipment, and who has authorization to take prompt, corrective action to eliminate the identified hazards.



Definitions

"Anchorage" means a secure point of attachment for equipment such as lifelines, lanyards, or deceleration devices.



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"Body harness" means straps that secure about the employee in a manner to distribute the fall arrest forces over at least the thighs, pelvis, waist, chest, and shoulders, with a means for attaching the harness to other components of a personal fall protection system.



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"Carabiner" means a connector generally comprised of a trapezoidal or oval shaped body with a closed gate or similar arrangement that may be opened to attach another object and, when released, automatically closes to retain the object.



"Competent person" means a person who is capable of identifying existing and predictable hazards in any personal fall protection system or any component of it, as well as in their application and uses with related equipment, and who has authorization to take prompt, corrective action to eliminate the identified hazards.





Definitions

"Positioning system," also known as workpositioning system, means a system of equipment and connectors that, when used with a body harness or body belt, allows an employee to be supported on an elevated vertical surface, such as a wall or windowsill, and work with both hands free. Positioning systems are also known as "positioning system devices" and "work-positioning equipment."



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"Self-retracting lifeline or lanyard" means a deceleration device containing a drum-wound line that can be slowly extracted from, or retracted onto, the drum under slight tension during normal movement by the employee. At the onset of a fall, the device automatically locks the drum and arrests the fall.





"Travel restraint system" means a combination of an anchorage, anchorage connector, lanyard or other means of connection, and body support that an employer uses to eliminate the possibility of an employee going over the edge of a walking-working surface.




"Personal fall protection system" means a system, including all components, an employer uses to provide protection from falling or to safely arrest an employee's fall if one occurs. Examples of personal fall protection systems <u>include personal fall arrest systems</u>, <u>positioning systems</u>, and <u>travel restraint systems</u>.





Part 33 Personal Fall Protection Systems General Requirements Cont.

•408.13395a(13) Anchorages used to attach to personal fall protection equipment shall be independent of any anchorage used to suspend employees or platforms on which employees work. Anchorages used to attach to personal fall protection equipment on mobile work platforms on powered industrial trucks shall be attached to an overhead member of the platform, at a point located above and near the center of the platform.

408.13395a(14)(a)Capable of supporting at least 5,000 pounds for each employee attached.

Part 33 Personal Fall Protection Systems General Requirements Cont.	S
408.13395a(17) Personal fall protection systems and their components shall be used exclusively for employee fall protection and not for any other purpose, such as hoisting equipment or materials.	
408.13395a(18) A personal fall protection system or its components subjected to impact loading shall be removed from service immediately and not used again until a competent person inspects the system or components and determines that it is not damaged and safe for use for employee personal fall protection.	
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408.13395a(19) Personal fall protection systems shall be inspected before initial use during each workshift for mildew, wear, damage, and other deterioration, and defective components shall be removed from service.

408.13395a(21) Ropes, belts, lanyards, lifelines, and harnesses used for personal fall protection shall be protected from being cut, abraded, melted, or otherwise damaged.





Part 33 Positioning System

"Positioning system, also known as work-positioning system" means a system of equipment and connectors that, when used with a body harness or body belt, allows an employee to be supported on an elevated vertical surface, such as a wall or windowsill, and work with both hands free.



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Part 33 Personal Fall Protection Training

Employee training considerations: Appendix C

•(e) As required by this standard, before an employee uses a fall protection system, an employer shall ensure that he or she is trained in the proper use of the system.

The training should include the following:

- The limits of the system
- Proper anchoring and tie-off techniques
- Estimating free fall distance, including determining elongation and deceleration distance
- Methods of use
- Inspection and storage

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Part 33 Personal Fall Protection Training (continued) • Careless or improper use of fall protection equipment can result in serious injury or death. • Employers and employees should be familiar with the material in this standard and appendices, as well as manufacturers' recommendations, before a system is used. • Training should stress the importance of inspections prior to use, the limitations of the equipment to be used, and unique conditions at the worksite that may be important.

Part 33 Personal Fall Protection Systems Use Criteria

408.13395c(1) An employer shall ensure that any horizontal lifeline that may become a vertical lifeline, the device used to connect to the horizontal lifeline is capable of locking in both directions on the lifeline.

408.13395c(2) An employer shall ensure that the personal fall arrest systems are rigged in such a manner that the employee cannot free fall more than six feet (1.8 m) or contact a lower level. A free fall may be more than six feet (1.8 m) provided the employer can demonstrate the manufacturer designed the system to allow a free fall of more than six feet and tested the system to ensure a maximum arresting force of 1,800 pounds (8 kN) is not exceeded.



























Assessment

The purpose of this assessment is to validate the knowledge learned in class.

Passing score of 70% correct is required.

Class reference materials/books are not allowed to be used during the assessment.

Collaboration/discussion with others is not allowed during the assessment.

Answers will be reviewed after everyone completes and submits their assessment.



Parts 6, 33, & 433. Personal Protective Equipment Standards for GI & Const

Student Resources

MIOSHA Standards:

Construction Part 6. Personal Protective Equipment

General Industry Part 33. Personal Protective Equipment

Occupational Health Part 433. Personal Protective Equipment

MIOSHA Resources:

General Industry Threshold Chart

Construction Threshold Chart

Personal Protective Equipment for General Industry (SP-16)

DANGER - Hard Hat Area (CET-0324)

OSHA General Industry Fact Sheet for Walking-Working Surfaces and Fall Protection

MIOSHA Training Institute (MTI) Resources:

www.michigan.gov/mti

MIOSHA Training Calendar:

www.michigan.gov/mioshatraining

MIOSHA Homepage:

www.michigan.gov/miosha



Michigan Department of Labor and Economic Opportunity Michigan Occupational Safety and Health Administration Consultation Education and Training Division 525 W. Allegan St., P.O. Box 30643 Lansing, Michigan 48909-8143

For further information or to request consultation, education and training services call 517-284-7720 or visit our website at www.michigan.gov/miosha

www.michigan.gov/leo

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