

# **Walking-Working Surfaces**

**MSC-RD-10321**

**Revision 2**

**Effective Date: May 20, 2015**

**Topic: Worker Protection**

Approved for Public Release;  
Further Dissemination Unlimited

# Walking-Working Surfaces

## 1.0 PURPOSE AND SCOPE

This Level 2 Requirements Document (RD) establishes the requirements for providing safe walking and working surfaces to prevent injuries from slips, trips, and falls. This RD is based on the requirements of Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) 1910 Subpart D, Walking Working Surfaces for general industry and 1926 for construction as noted in sections 3.1, 3.2 and 3.3 of this document. The following walking and working surfaces are included in this document:

- Stairways
- Floor and Roof Strength
- Housekeeping, Aisles and Passageways

**NOTE 1:** *Requirements relating to protection from falling into or through floor and wall openings are provided in DOE-0346, Hanford Site Fall Protection Program. A good practice for temporary hole covers is to clearly mark "Hole Cover – Do Not Remove" on floor opening covers.*

**NOTE 2:** *Requirements for purchasing, use and inspection of ladders are provided in MSC-RD-24243.*

**NOTE 3:** *Requirements for the design, construction, maintenance, inspection, use and dismantling of scaffolding are provided in MSC-PRO-095.*

These requirements are applicable to Mission Support Contract (MSC) Team employees involved in MSC scope of work and MSA subcontractors whose personnel perform work on the Hanford site with the exception of action by Emergency Response personnel. The Hanford Fire Department would respond to situations involving possible roof access according to guidelines consistent with their training based on the International Fire Service Training Association material. The Hanford Patrol is exempt from the requirements of this document where activities fall outside the scope described in Title 29 CFR, Part 1910, subpart D, when it is determined by a qualified person that compliance is infeasible or creates a greater hazard such as when performing surveillance, inspections or responding to or training for emergency response actions.

This document supports implementation of ISMS Core Function #2 "Identify and Analyze the Hazards", Core Function #3 "Develop and Implement Hazard and Environmental Controls", and Core Function #4 "Perform Work Within Controls".

## 2.0 IMPLEMENTATION

This RD is effective upon publication.

## 3.0 REQUIREMENTS

**NOTE:** *For the tables in this section under the requirement "type" column, "V" means verbatim and "I" means interpreted.*

## Walking-Working Surfaces

### 3.1 STAIRWAYS

#	REQUIREMENT	TYPE V or I	SOURCE
1.	Provide stairs, a ladder or a ramp for elevated areas that are accessed routinely.	I	1926.1051(a) 1910.24(b)
2.	Provide handrails for stairs with 4 or more risers or those over 30 inches high, whichever is less.	I	1926.1052(c)(1 )
3.	Ensure that a landing is provided when a door or gate opens up directly onto a stairway. The landing shall be at least as wide as the stairway and be a minimum of 30 inches in length measured in the direction of travel. The swing of the door or gate shall not reduce the width of the landing to less than 20 inches.	I	1910.23(a)(10) 1910.24(g) 1926.1052(a)(4 )

### 3.2 FLOOR LOADING AND ROOF STRUCTURAL INTEGRITY

**NOTE:** *Ensure that the facility landlord has confirmed that floors have the structural strength to support the intended work activities and equipment or storage anticipated for your work area where the floor is elevated.*

#	REQUIREMENT	TYPE V or I	SOURCE
1.	Conspicuously post the maximum safe load limit of all elevated floors within buildings and structures and overhead storage areas. The posted maximum safe load limit shall not be exceeded.	I	1910.22(d)(1)
2.	Ensure that posted load limits are not exceeded due to changes in storage, occupancy or additional weight loading from other items (e.g. furniture, cabinets) for elevated floors. For example fireproof or security-type cabinets and floor-to-ceiling retrieval systems may exceed the concentrated load limit in an office.	I	1926.250(a)(2) 1910.22(d)(1)
3.	Prior to personnel accessing any roof, verify an analysis of the roof's structural stability/integrity has been completed and any necessary protective measures have been identified and implemented. Refer to DOE-0346 for fall protection requirements related to roof work and MSC-PRO-48856 for roof assessments.	I	1926.501 10 CFR 851

## Walking-Working Surfaces

### 3.3 HOUSEKEEPING, AISLES AND PASSAGEWAYS

#	REQUIREMENT	TYPE V or I	SOURCE
1.	The floor of every workroom, passageway, storeroom and service rooms shall be kept free of tripping hazards or other hazards that could result in injury. Floors within work areas, passageways and aisles should also be kept in a dry condition.	I	1910.22(a) 1926.25 1926.250(c)
2.	In areas where mechanical handling equipment is used, such as loading docks, through doorways or where turns or passage must be made, sufficient clearance room must be available for safe use of equipment. Ensure that there are no obstructions in or near the aisle or passageway that would create a hazard.	I	1910.22(b)(1)

### 4.0 REFERENCES

#### 4.1 Source Requirements

10 CFR 851, *Worker Safety and Health Program*, Section 23 “Safety and Health Standards”

29 CFR 1910 *Subpart D, Walking-Working Surfaces*

29 CFR 1926.25 *Housekeeping*

29 CFR 1926.501, *Duty to Have Fall Protection*

29 CFR 1926.1051(a), *General Requirements*

29 CFR 1926.1052(c)(1), *Stairways*

29 CFR 1926.250, *General Requirements for Storage*

#### 4.2 Working References

MSC-PRO-48856, *Roof Assessment Process*

DOE-0346, *Hanford Site Fall Protection Program*

MSC-RD-24243, *Portable and Fixed Ladders*

MSC-PRO-095, *Scaffolding*