

# Tags, Signs and Barriers

MSC-RD-29096

Revision 2

Effective Date: December 18, 2013

Topic: Safety and Health

Approved for Public Release;  
Further Dissemination Unlimited

# Tags, Signs and Barriers

## 1.0 PURPOSE AND SCOPE

This Level 2 requirements document is applicable to Hanford Mission Support Contract (MSC) employees and establishes requirements for the design, application, and use of signs, colors, and symbols intended to identify and warn against specific hazards and for other accident prevention purposes. Warning garments have also been included in this requirements document.

## 2.0 REQUIREMENTS

On November 6, 2013 the U.S. Department of Energy, per Docket No. OSHA-2013-0005, updated 29 CFR 1910 & 1926 regulations by adding reference to the ANSI Z535 Standards.

### NOTES:

1. Refer to [MSC-RD-17626](#), *Lock and Tag Requirements*, for hazardous energy controlling tags.
2. Refer to [DOE-0336](#), *Hanford Site Lockout/Tagout*, for any application where prevention of unexpected start-up or release of stored energy that could result in injury or hazardous exposure is required.
3. Refer to [MSC-PRO-23749](#), *Miscellaneous Facility Tags*, for general tags (i.e., Information Tag, Deactivation Tag, Lay-up Tag, Out-of Service Tag, Temporary Label Tag Caution Tag, and Warning Tag).
4. Refer to [MSC-RD-9237](#), *Motor Vehicle/Bicycle Safety*, for flagger signaling and traffic-related barricading requirements.
5. Refer to [DOE-RL-92-36](#), *DOE Hoisting & Rigging Manual*, for crane and hoist signal requirements.
6. Refer to [MSC-RD-10321](#), *Walking/Working Surfaces*, for guardrail system requirements.
7. Refer to [MSC-5173](#), *MSC Radiological Control Manual*, for occupational radiation protection-related signs, tags, and barriers.

## Tags, Signs and Barriers

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

#	REQUIREMENT	TYPE V or I	Source
1.	<p>Accident Prevention sign and tag categories include:</p> <ul style="list-style-type: none"> <li>a. <i>Danger</i> which shall be used only where an immediate hazard presents a threat of death or serious injury to employees.</li> <li>b. <i>Warning</i> which shall be used to indicate a hazardous situation which, if not avoided, could result in death or serious injury.</li> <li>c. <i>Caution</i> which shall be used only to indicate a hazardous situation which, if not avoided, could result in minor or moderate injury.</li> <li>d. <i>Notice</i> is the preferred signal word to address practices not related to personal injury.</li> <li>e. <i>Safety Instruction</i> which shall be used to convey a safety message.</li> </ul>	I	29CFR1926.200 (b, c, & e); 29CFR1910.145 (c) and (f); ANSI Z535.2
2.	Accident prevention signs and tags shall be visible at all times when work is being performed, and shall be removed or covered promptly when the hazard no longer exists.	I	29CFR1926.200 (a); 29CFR1910.145 (f)(3)
3.	Accident prevention signs and tags shall be of durable material to meet length of use and field condition needs. They shall be replaced if unreadable or deteriorated.	I	10CFR851.23 (3) and (7)
4.	Accident Prevention tags shall be used as a temporary means of warning employees of an existing hazard, such as defective tools, equipment, etc.	I	29CFR1926.200 (h); 29CFR1910.145 (f)(3)
5.	Accident Prevention signs shall be placed in strategic and prominent locations.	I	10CFR851.23 (3) and (7)
6.	<p>Accident Prevention sign and tag colors, size, and wording shall conform to ANSI Z535.1, <i>Safety Colors</i>, ANSI Z535.2, <i>Environmental and Facility Safety Signs</i>, ANSI Z535.3-2011, <i>Criteria for Safety Symbols</i>, ANSI Z535.5, <i>Safety Tags and Barricade Tapes (for Temporary Hazards)</i>, and <a href="#">DOE-0336</a>, <i>Hanford Site Lockout/Tagout</i>.</p> <p><b>NOTE:</b> Existing safety tags, signs or tapes, in use that use the older format, may continue to be used until new or replacement tags, signs or tapes are needed.</p>	I	29CFR1926.200 (i); 29CFR1910.145 (a)

## Tags, Signs and Barriers

7.	Barrier tape, rope, or fencing, if used in conjunction with accident prevention signs, must be able to withstand the elements (i.e., wind and weather). The tape, rope, or fencing shall be maintained until the hazard no longer exists.  <b>NOTE:</b> Refer to <a href="#">MSC-RD-10321</a> , <i>Walking/Working Surfaces if a guardrail system is to be used</i> .	I	10CFR851.23(a) (3) and (7)
8.	When warning garments (i.e. vests or jackets) are used, they shall meet ANSI/ISEA107, <i>American National Standard for High-Visibility Safety Apparel and Headwear</i> criteria.	I	10CFR851.23(b); 29CFR1926.201 (a);  MSCA, <i>Manual on Uniform Traffic Control Devices (MUTCD)</i> Section 6E.02

### 3.0 REFERENCES

#### 3.1 Source References

10CFR851, *Worker Safety and Health Program*  
 29CFR1910. Subpart J, *General Environmental Controls*  
 29CFR1926.Subpart G, *Signs, Signals, and Barricades*  
 ANSI Z535.1-2011, *Safety Color Code*  
 ANSI Z535.2-2011, *Environmental Facility Safety Signs*  
 ANSI Z535.1-R2011, *Safety Colors*  
 ANSI Z535.2-2011, *Environmental and Facility Safety Signs*  
 ANSI Z535.3-2011, *Criteria for Safety Symbols*  
 ANSI Z535.5-2011, *Safety Tags and Barricade Tapes (for Temporary Hazards)*  
 ANSI/ISEA107-2004, *American National Standard for High-Visibility Safety Apparel and Headwear*  
 Federal Highway Administration, *Manual on Uniform Traffic Control Devices (MUTCD)-2003*

#### 3.2 WORKING REFERENCES

[DOE-0336](#), *Hanford Site Lockout/Tagout*  
[DOE-RL-92-36](#), *DOE Hoisting & Rigging Manual*  
[MSC-PRO-23749](#), *Miscellaneous Facility Tags*  
[MSC-RD-10321](#), *Walking/Working Surfaces*  
[MSC-RD-9237](#), *Motor Vehicle/Bicycle Safety*  
[MSC-RD-17626](#), *Lock and Tag Requirements*