

Improving Your EHS Efforts – Moving Beyond OSHA Compliance



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Some long for the moment that they are *finally* in compliance with OSHA . . .

Others realize that there is much more to life than chapters and subchapters!



**Yes indeed! OSHA truly is only the proverbial
“Tip of the iceberg”**

**There are so many more laws,
regulations, codes, statutes, and
standards.**

**And . . . countless guidelines,
consensus standards, best practices,
recommended practices,
and on, and on, and on . . .**



What we don't need are more three-ring binders filled with worthless programs.

Agreed?

What we need is an efficient, effective means of addressing our EHS needs.



One approach to consider . . .



Another option . . .

**Keep running around
like chickens with our heads cut off . . .**



Or perhaps you're tired of feeling like you spend every day putting out fires?



Perhaps it is time for a new approach??

A new and improved approach:

Develop an organized, priority-based approach to your EHS needs.

And the good news is that there is no need to reinvent the wheel.

Lots of great wheels are ready for your use!



So many great resources . . .



Who are these organizations?

American National Standards Institute/ANSI.org

American Society of Mechanical Engineers/ASME.org

American Society of Safety Engineers/ASSE.org

American Society for Testing and Materials/ASTM.org

British Standards Institute/BSIGroup.com

International Organization for Standardization/ISO.org

National Fire Protection Association/NFPA.org

Occupational Safety & Health Admin./OSHA.gov

Underwriter's Laboratory/UL.com



They have so much to offer :

- **Excellent framework/management systems**
- **Consensus standards**
- **Best practices**
- **Sample programs – ready to tailor**
- **Peer support**
- **Training materials**



BS OHSAS 18001

Occupational Health and Safety Management

Provides a framework for EHS management

Develop the policies, procedures and controls in the most efficient and effective manner

Soon to be replaced by ISO 45001

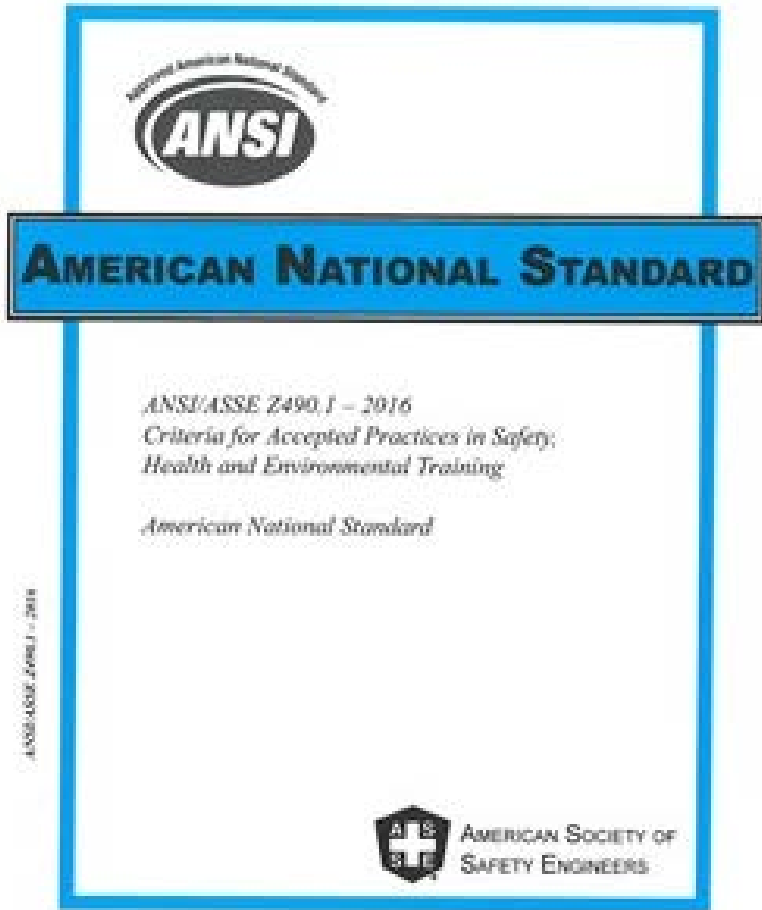


ISO 45001

A new International Standard for Occupational Health and Safety Management Systems

- Expected to be released early in 2016
- Support implementation of a framework that identifies and controls health and safety risks
- Reduce potential accidents
- Aid in legislative compliance
- Improve overall EHS/RM performance
- Support integration with existing management systems



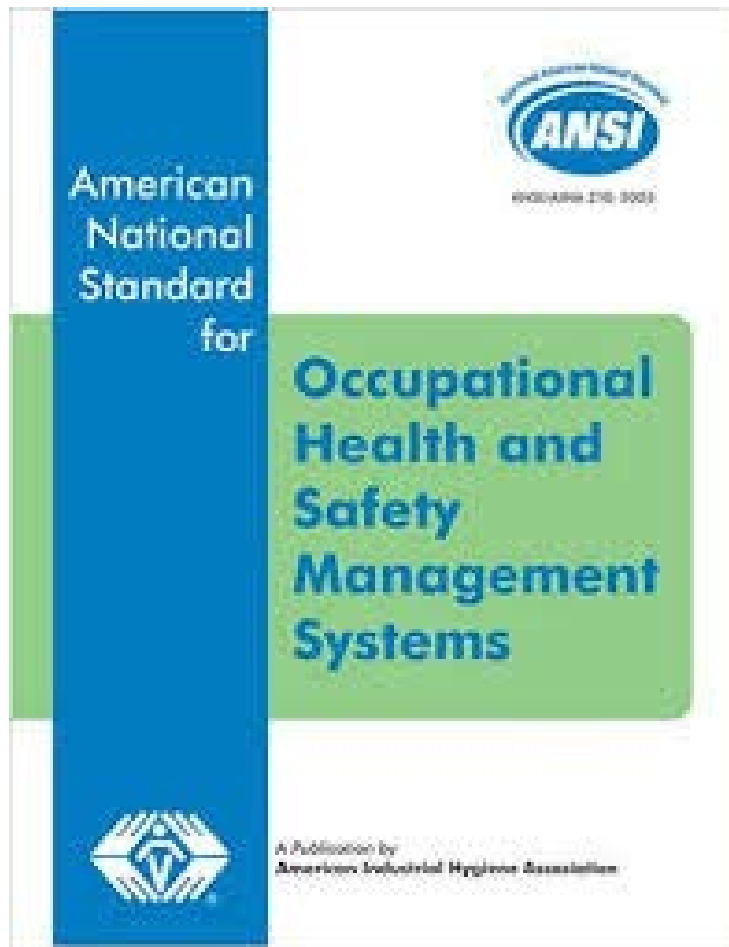


ANSI/ASSE Z490.1

Criteria for Accepted Practices in Safety, Health & Environmental Training

Establishes criteria for safety, health and environmental training programs, including development, delivery, evaluation and program management.



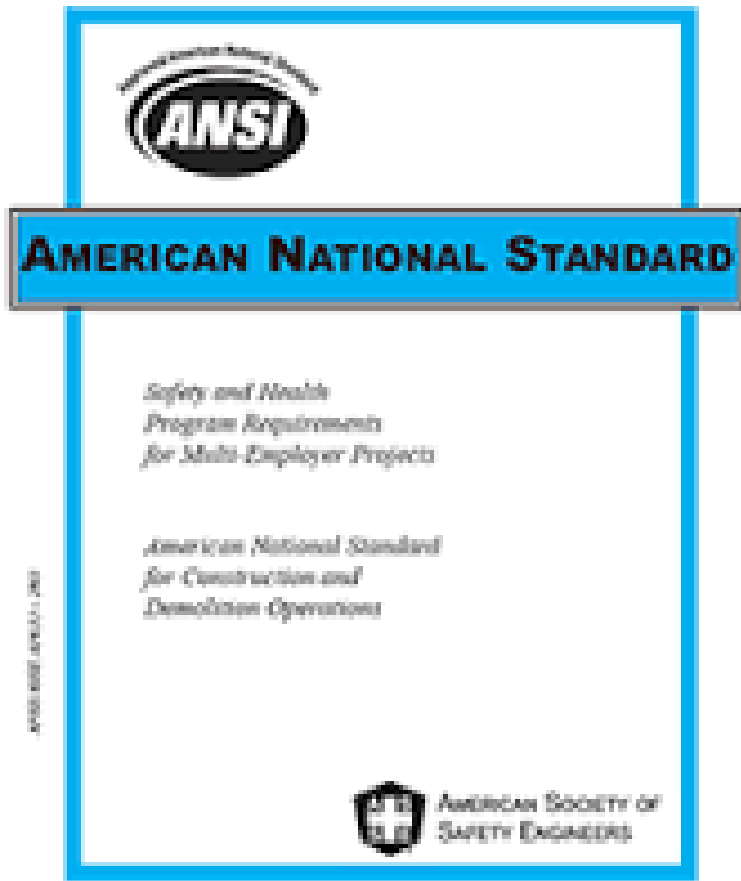


ANSI Z10

Occupational Health and Safety Management System

- Management Leadership
- Employee Involvement
- Planning
- Evaluation & Corrective Action
- Management Review





ANSI A10.33

Safety and Health Program Requirements for Multi-Employer Projects

Identifies the minimum elements and activities of a program that defines the duties and responsibilities of construction employers working on a construction project where multiple employers are engaged in a construction project.





ISO 31000:2009

Risk Management – Principles and Guidelines

Provides principles, framework,
and a process for managing risk.

Supporting documents:

IEC 31010:2009

Risk management -- Risk assessment techniques

ISO 31000:2009

Risk management -- Principles and guidelines

ISO Guide 73:2009

Risk management – Vocabulary

Guidance for the Implementation of ISO 31000 - 2014



Consensus Standards/Best Practices

"National consensus standard" means any standard or modification thereof which:

- (1) has been adopted and promulgated by a nationally recognized standards-producing organization under procedures whereby persons interested and affected by the scope or provisions of the standard have reached substantial agreement on its adoption
- (2) was formulated in a manner which afforded an opportunity for diverse views to be considered.



*Paraphrased from 29 USCS § 652 (9) [Title 29. Labor; Chapter 15. Occupational Safety and Health]

Examples of Consensus Standards that You May Find Useful:

ANSI

- B11 – Performance Criteria for Machine Safeguarding
- A92.2 – Aerial Work Platforms
- A10 – Construction & Demolition Standards
- Z359.1 – Fall Protection
- Z15.1 – Safe Practices for Motor Vehicle Operations
- Z117 – Confined Space Entry
- A1264 – Slip Resistance on Walking/Working Surfaces



National Fire Protection Association

- 10 – Portable Fire Extinguishers
- 13 – Installation of Sprinkler Systems
- 30 – Flammable & Combustible Liquids Code
- 33 – Spray Application of Flammable Materials
- 45 – Fire Protection for Laboratories Using Chemicals
- 70E – Electrical Safety in the Workplace
- 101 – Life Safety Code
- 350 – Guide for Confined Space Entry Work



And a few other favorites . . .

ISO.org

Environmental Management 14000

Ergonomics ISO 10075

NIOSH.gov

Elements of Ergonomics Programs: A Primer

Ergonomic Guidelines for Manual Material Handling



And to bring it back to OSHA . . .

Just because it's not the law, doesn't mean it's
not valuable information!

My two favorite OSHA standards that are not standards:

Ergonomics

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=FEDERAL_REGISTER&p_id=16305

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=FEDERAL_Register&p_id=16311

and . . .



More from OSHA:

Safety and Health Program Management Guidelines

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=FEDERAL_REGISTER&p_id=12909

Or the new version:

<https://www.osha.gov/shpmguidelines/>



Sample Programs & Training Materials

➤ Canadian Workplace Safety: <http://www.worksafenb.ca/>
Great program on manual material handling/ergonomics
www.worksafenb.ca/docs/manualedist.pdf

➤ UK Health and Safety Executive: <http://www.hse.gov.uk/>

➤ National Highway Traffic Safety Admin.: NHTSA.gov

Distracted Driving
Aggressive Driving

➤ Center for Construction Research & Training: CPWR.com

Colorado State, Duke, Harvard, Yale, Rutgers, Univ. of Iowa, Univ. of California,
Northeastern Univ., Univ. of Massachusetts, Washington University



More Programs and Material Sources

- Centers for Disease Control and Prevention/National Institute for Occupational Safety & Health [CDC.gov](http://www.cdc.gov)
 - Travelers' Health
 - Emergency Preparedness
 - Safety Stand-Down

- U.S. Naval Safety Center: <http://www.safetycenter.navy.mil>



And yes, OSHA and state programs

- Cal/OSHA: <http://www.dir.ca.gov/dosh/dosh1.html>
- Oregon OSHA:
http://www.orosha.org/standards/resource_center.html
- OSHA.gov
 - QuickTakes: <https://www.osha.gov/as/opa/quicktakes/qtpostcard.html>
 - Fact Sheets
 - Compliance Guides
 - Temporary Workers
 - Quick Cards/Wallet Cards



Don't reinvent the wheel . . .

Use your resources wisely

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