

# ANSI/ASSE Z390.1 - 2017



TOP TEN FAQs

# HISTORY OF THE ANSI/ASSE Z390 STANDARD



Conception started about 1989

Committee accredited October 5, 1992

First Standard Published May 26, 1995

Second Standard Published in 2006

Third Standard Published in 2010

Latest Standard Published in 2017

# CONCEPT OF THE 2017 Z390 STANDARD



A Single Standard for All At-Risk Workers in the 70+ Identified Industries

Descriptive vs Proscriptive

Reorganized to minimize duplicative structure

Clearly defined and added some missing terms

Eliminated two sub-training concepts and settled on Certification of H2S Safety Training only

Clearly described that additional training is required for working under mask

## Top 10 FAQ of the ANSI/ASSE Z390.1 2017



1. Who has to be trained according to the Standard?
2. Can non-essential personnel and visitors do Awareness training only as it was in 2010?
3. What is the minimum certification course length?

## Top 10 FAQ of the ANSI/ASSE Z390.1 2017



4. What are the minimum topics to be covered in certification training?
5. What does refresher training consist of?

# Minimum Course Content for Certifications



- the hazards, characteristics and properties of H<sub>2</sub>S and sulfur dioxide (SO<sub>2</sub>)
- sources of H<sub>2</sub>S and SO<sub>2</sub>
- safe exposure limits for H<sub>2</sub>S and SO<sub>2</sub> to include PEL and TLV
- regulations pertinent to workers on H<sub>2</sub>S jobsites
- proper use of H<sub>2</sub>S and SO<sub>2</sub> detection methods used at the workplace
- recognition of, and proper response to, the warning signals initiated by H<sub>2</sub>S and SO<sub>2</sub> detection systems in use at the workplace
- symptoms of H<sub>2</sub>S exposure; symptoms of SO<sub>2</sub> exposure
- rescue techniques and first aid to victims of H<sub>2</sub>S and SO<sub>2</sub> exposure
- proper use and maintenance of respiratory protection equipment for working in H<sub>2</sub>S and SO<sub>2</sub> atmospheres, usage instruction and hands-on practice, with demonstrated proficiency (29 CFR 1910.134)

# Minimum Course Content for Certifications



- workplace practices and relevant maintenance procedures that have been established to protect personnel from the hazards of H<sub>2</sub>S and SO<sub>2</sub>
- wind direction awareness and routes of egress
- enclosed facility entry procedures
- emergency response procedures that have been developed for the facility or operations
- locations and use of safety equipment
- locations of safe briefing areas

## Top 10 FAQ of the ANSI/ASSE Z390.1 2017



6. How is the training to be delivered (CBT, OJT, classroom, Instructor)?
7. What are the qualifications and required proficiency of an instructor?
8. Who certifies the new Train-the-trainer?



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9. How do you differentiate Certification vs site-specific training?
10. What safe exposure levels should be taught in the course?

The Standard can be purchased at the ANSI Website <https://webstore.ansi.org/>  
Enter the Keyword Z390.1-2017

QUESTIONS?

