

ANSI/ASSP Z117.1-2016

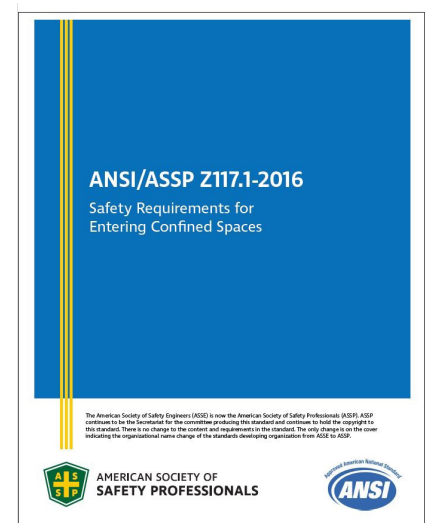
Safety Requirements for Confined Spaces



ANSI/ASSP Z117.1, *Safety Requirements for Entering Confined Spaces*, is a voluntary national standard approved by the American National Standards Institute (ANSI). The standard is designed to establish minimum requirements and procedures for the safety and health of employees who work in, around and in connection with confined spaces.

About the Standard

- Identification and evaluation of Non-Permit and Permit-Required Confined Spaces
- Required procedures recommended for entering Non-Permit and Permit-Required Confined Spaces
- Atmospheric Testing Protocols
- Entry Team safeguards (Isolation and Lockout/Tagout, Ventilation and Cleaning/Decontamination)
- PPE, Auxillary Equipment, Safety Signs and Symbols
- Emergency Response, Evacuation and Rescue (training of the Confined Space Entry Team, Medical Sustainability and Contractors)



AMERICAN SOCIETY OF
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STANDARDS



Background and Purpose

The purpose of the standard is to establish minimum requirements and procedures for the safety and health of employees who work in, around and in connection with, confined spaces.

This is a performance standard, and as such, is not intended to replace existing specific standards and procedures, but rather to support those that meet the performance objectives defined in this standard. Z117.1-2016 also provides a listing of other established national consensus standards pertaining to confined space.

How the Standard was Developed

ANSI requires the secretariat of a standard revise or reaffirm the standard within 5 - 10 years of publication.

The Z117.1 committee members represent a broad range of experts, industries and organizations from the public, private and not-for-profit sectors. They collaborated to revise and improve the 2009 version of the standard. The revised standard was approved by ANSI on August 4, 2016. The effective date for this revised standard is January 1, 2017.

Using the Standard

The Z117.1-2016 standard provides minimum safety requirements to be followed while entering, exiting and working in and around confined spaces at ambient atmospheric pressure. This standard is designed for voluntary acceptance and use.

This standard does not pertain to underground mining, tunneling, caisson work, intentionally inert confined spaces or other similar tasks that have established national consensus standards.

What's New in Z117.1-2016?

Additional resources and guidance have been developed for the Annex Section of the standard, including:

- Logic diagram for confined space entry
- Standards and other referenced materials related to confined spaces
- Examples of confined space surveys and permits