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American National Standard

Construction and Demolition Operations

Safety and Health Requirements for
Construction and Demolition Use, Storage, Handling and
Site Movement of Commercial Explosives and Blasting Agents

Secretariat

American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, Illinois 60068

Approved July 25, 2018

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Foreword  (This Foreword is not a part of American National Standard A10.7-2018.)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

A10.1  Pre-Project & Pre-Task Safety & Health Planning
A10.2  Safety, Health and Environmental Training (under development)
A10.3  Powder-Actuated Fastening Systems
A10.4  Personnel Hoists and Employee Elevators
A10.5  Material Hoists
A10.6  Demolition Operations
A10.7  Use, Storage, Handling and Site Movement of Commercial Explosives and Blasting Agents
A10.8  Scaffolding
A10.9  Concrete and Masonry Construction
A10.10 Temporary and Portable Space Heating Devices
A10.11 Personnel Nets
A10.12 Excavation
A10.13 Steel Erection
A10.15 Dredging
A10.16 Tunnels, Shafts and Caissons
A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
A10.18 Temporary Roof and Floor Holes, Wall Openings, Stairways and Other Unprotected Edges
A10.19 Pile Installation and Extraction Operations
A10.20 Ceramic Tile, Terrazzo, and Marble Work
A10.21 Safe Construction and Demolition of Wind Generation/Turbine Facilities (under development)
A10.22 Rope-Guided and Non-Guided Workers’ Hoists
A10.23 Safety Requirements for the Installation of Drilled Shafts
A10.24 Roofing – Safety Requirements for Low-Sloped Roofs
A10.25 Sanitation in Construction
A10.26 Emergency Procedures for Construction Sites
A10.27 Hot Mix Asphalt Facilities
A10.28 Work Platforms Suspended from Cranes or Derricks
A10.29 Aerial Platforms in Construction (under development)
A10.31 Digger-Derricks
A10.32 Personal Fall Protection Used in Construction and Demolition Operations
A10.33 Safety and Health Program Requirements for Multi-Employer Projects
A10.34 Public Protection
A10.37 Debris Nets
A10.38 Basic Elements of a Program to Provide a Safe and Healthful Work Environment
A10.39 Construction Safety and Health Audit Program
A10.40 Reduction of Musculoskeletal Problems in Construction
A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
A10.43 Confined Spaces in Construction and Demolition Operations
A10.44 Lockout/Tagout in Construction
A10.46 Hearing Loss Prevention
A10.47 Highway Construction Safety
A10.48 Communication Structures
A10.49 Control of Health Hazards

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be changed to refer to the corresponding regulations.
Normative Requirements

This standard uses the single column format common to many international standards. The normative requirements appear aligned to the left margin. To meet the requirements of this standard, machinery, equipment and process suppliers and users must conform to these normative requirements. These requirements typically use the verb "shall."

NOTE: The informative or explanatory notes in this standard appear indented, in italics, in a reduced font size, which is an effort to provide a visual signal to the reader that this is informative note, not normative text, and is not to be considered part of the requirements of this standard; this text is advisory in nature only. The suppliers and users are not required to conform to the informative note. The informative note is presented in this manner in an attempt to enhance readability and to provide explanation or guidance to the sections they follow.

Revisions: The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant section number(s), the proposed wording and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more-timely manner.

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1. Scope and Purpose

1.1 Scope

1.1.1 This standard is applicable to all entities involved in any construction or demolition project that requires the use of commercial explosives and blasting agents.

1.1.2 This standard is intended to work with the other federal, state and local regulations for use of commercial explosives and blasting agents.

1.1.3 The requirements of this standard do not apply to display or consumer pyrotechnics, small-arms ammunition or explosive power packs in the form of explosive-activated or explosive-charged construction devices such as explosive rivets, explosive bolts, explosive charges for driving pins or studs, cartridges for explosive-actuated power tools, and powder-actuated fastening systems.

1.2 Purpose

The purpose of this standard is to provide the construction industry with recommendations for establishing and maintaining a level of safety and health for the off-highway transportation, storage, storage, and use of commercial explosives and blasting agents for construction and demolition.

2. References

2.1 Referenced American National Standards.

The following ANSI/ASSE A10 standards, in addition to others listed at the front of this document, provide guidance for development of safe and healthful operations.

ANSI/ASSP A10.1, Pre-Project & Pre-Task Safety & Health Planning
ANSI/ASSP A10.3, Safety Requirements for Powder-Actuated Fastening Systems
ANSI/ASSP A10.6, Safety & Health Program Requirements for Demolition Operations
ANSI/ASSP A10.8, Scaffolding Safety Requirements
ANSI/ASSP A10.12, Safety Requirements for Excavation
ANSI/ASSP A10.13, Safety Requirements for Steel Erection
ANSI/ASSP A10.15, Safety Requirements for Dredging
ANSI/ASSP A10.16, Safety Requirements for Tunnels, Shafts and Caissons
ANSI/ASSP A10.19, Safety Requirements for Pile Installation & Extraction Operations
ANSI/ASSP A10.23, Safety Requirements for the Installation of Drilled Shafts
ANSI/ASSP A10.25, Sanitation in Construction