



AMERICAN NATIONAL STANDARD

*ANSI/ASSE A10.7-1998
Safety Requirements for
Transportation, Storage,
Handling and Use of
Commercial Explosives
and Blasting Agents*

ANSI/ASSE A10.7-1998 (R2005)



AMERICAN SOCIETY OF
SAFETY ENGINEERS

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ANSI A10.7 – 1998 (R2005)

**American National Standard
Construction and Demolition Operations**

**Safety Requirements for
Transportation, Storage, Handling, and Use of
Commercial Explosives and Blasting Agents**

Secretariat

American Society of Safety Engineers
1800 East Oakton Street
Des Plaines, Illinois 60018-2187

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American National Standards Institute, Inc.

American National Standard

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Foreword (This Foreword is not a part of American National Standard A10.7-1998 (R2005).)

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 Planning for Construction Safety and Health (under development)
- 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 (under development)
- A10.6 Demolition Operations
- A10.7 Transportation, Storage, Handling, and Use 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 and Debris Nets
- A10.12 Excavation
- A10.13 Steel Erection
- A10.15 Marine Dredging
- A10.16 Tunnels, Shafts, and Caissons
- A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
- A10.18 Temporary Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges
- A10.19 Pile Installation and Extraction Operations (under development)
- A10.20 Ceramic Tile, Terrazzo, and Marble Work
- A10.22 Rope-Guided and Non-Guided Workers' Hoists
- A10.23 Back Injury Prevention Programs (under development)
- A10.24 Roofing – Safety Requirements for Low Sloped Roofs (under development)
- A10.25 Sanitation in Construction (under development)
- A10.26 Emergency Procedures for Construction Sites (under development)
- A10.27 Hot Mix Asphalt Facilities
- A10.28 Work Platforms Suspended from Cranes or Derricks
- A10.29 Aerial Lifts in Construction (under development)
- A10.30 Construction Workplace Security
- A10.31 Digger-Derricks
- A10.32 Fall Protection Systems for Construction Industry Users
- A10.33 Safety and Health Program Requirements for Multi-Employer Projects
- A10.34 Public Protection
- A10.35 High Pressure Hydro Blasting (under development)
- A10.36 Railroad Construction Safety (under development)
- 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 Ergonomics in Construction (under development)
- A10.41 Equipment Operator and Supervisor Qualifications and Responsibilities (under development)
- A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
- A10.43 Confined Spaces in Construction (under development)
- A10.44 Lockout/Tagout in Construction (under development)

A10.46 Hearing Loss Prevention (under development)
A10.47 Highway Construction Safety (under development)
A10.48 Communication Tower Erection (under development)

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.

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AMERICAN NATIONAL STANDARD A10.7 SAFETY REQUIREMENTS FOR TRANSPORTATION, STORAGE, HANDLING AND USE OF COMMERCIAL EXPLOSIVES AND BLASTING AGENTS

1. PURPOSE AND SCOPE

1.1 Purpose.

The purpose of this standard is to provide the construction industry with reasonable minimum recommendations for establishing and maintaining a level of health and safety with regard to the transportation, storage, handling, and use of commercial explosives and blasting agents.

1.2 Scope.

1.2.1 This standard is applicable to the transportation, storage, handling, and use of commercial explosives and blasting agents in the construction industry.

1.2.2 This standard does not supersede legal requirements, or laws, or regulations by local, state, or federal agencies, pertaining to the transportation, storage, handling, and use of commercial explosives and blasting agents.

1.2.3 The following exceptions should be noted. The requirements of this standard shall not be applied to 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, and cartridges for explosive-actuated power tools.

1.3 Modifications and Exemptions.

In cases of practical difficulties, unnecessary hardships, or new developments, exceptions to the literal requirements may be granted by the Enforcing Authority to permit the use of other devices or methods, but only when it

is clearly indicated that the equivalent protection is thereby secured.

2. REFERENCED AND RELATED STANDARDS AND OTHER PUBLICATIONS

2.1 Referenced American National Standard.

This standard is intended for use in conjunction with the *National Electrical Code*, ANSI/NFPA 70. When this referenced standard is superseded by a revision approved by the American National Standards Institute, Inc., the revision shall apply.

2.2 Referenced Institute of Makers of Explosives Standards.

This standard is also intended for use with the following standards. They are available from the Institute of Makers of Explosives, Suite 310, 1120 19th Street, NW, Washington, DC 20036-3605.

IME Publication No. SLP 2 (June 1991), *The American Table of Distances*.

IME Publication No. SLP 12 (November 2002), *Glossary of Commercial Explosives Industrial Terms*.

IME Publication No. SLP 20 (July 2001), *Safety Guide for the Prevention of Radio Frequency Radiation Hazards in the Use of Commercial Electric Detonators*.

2.3 Referenced Governmental Publications.

This standard is also intended for use with the following publications. They are available from U.S. Government Printing