ANSI/ASSP A10.44-2020

Control of Energy Sources (Lockout/Tagout) for Construction and Demolition Operations

AMERICAN SOCIETY OF SAFETY PROFESSIONALS

Approved American National Standard
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ANSI/ASSP A10.44 – 2020

American National Standard
Construction and Demolition Operations

Control of Energy Sources (Lockout/Tagout) for Construction and Demolition Operations

Secretariat

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

Approved February 13, 2020

American National Standards Institute

American National Standard

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Foreword (This Foreword is not a part of American National Standard A10.44-2020.)

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
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)
A10.30 Installation of Anchors and Micropiles (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
A10.35 Pressure Testing of Steel and Copper Piping Systems (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 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 and Demolition Operations
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.”

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.

Interpretations: Upon a request in writing to the Secretariat, the A10 Committee will render an interpretation of any requirement of the standard. The request for interpretation should be clear, citing the relevant section number(s) and phrased as a request for a clarification of a specific requirement. Oral interpretations are not provided.

No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.

Approval: Neither the A10 Committee nor American National Standards Institute (ANSI) approves, certifies, rates or endorses any item, construction, proprietary device or activity.

Appendices: Appendices are included in most standards to provide the user with additional information related to the subject of the standard. Appendices are not part of the approved standard.

Checklists: Checklists included in A10 standards may be copied and used in non-commercial settings only.

Committee Meetings: The A10 Committee meets twice per year. Persons wishing to attend a meeting should contact the Secretariat for information.

Standard Approval: This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time ANSI approved this standard, the A10 Committee had the following members:

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AMERICAN NATIONAL STANDARD A10.44
CONTROL OF ENERGY SOURCES (LOCKOUT/TAGOUT)
FOR CONSTRUCTION AND DEMOLITION OPERATIONS

1. Scope and Purpose

1.1 Scope

This standard establishes the minimum requirements for the control of energy sources to prevent release of harmful energy that could cause death, injury or illness to personnel performing construction and demolition work.

This standard does not cover the following:

Installations under the exclusive control of electric utilities for the purpose of power generation, transmission and distribution, including related equipment for communication or metering; exposure to electrical hazards from work on, near or with conductors or equipment in electric utilization installations.

1.2 Purpose

The purpose of this standard is to establish procedures for the protection of property and personnel from injury due to the:

- unexpected energization;
- start-up;
- inadequate insulation;
- inadequate isolation; or
- release of active or stored energy

of machines, equipment, vehicles, tools, etc. in, on or around machines, tools or equipment during repair, maintenance, servicing, installation, testing and associated construction and demolition activities.

The purpose is to ensure that before any worker services, maintains, works on or near equipment where the potential exists for exposure to un-isolated energy or unexpected energization, start-up of equipment or the release of stored energy, that the machine, equipment, vehicles or tools, etc. is isolated from the energy source and rendered inoperative.

2. Definitions

Affected Employee. An affected employee is one whose job requires them to operate or use a machine or equipment on which servicing or maintenance is being performed under lockout or tagout, or whose job requires them to work in an area in which such servicing or maintenance is being performed.

Authorized Employee. A qualified person authorized by their employer to lockout and/or tagout (LOTO) machines or equipment in order to perform servicing or maintenance on a machine or piece of equipment, which has a source(s) of energy that can cause injury to the worker. Furthermore, any worker who implements a lockout and/or tagout system procedural element on machines or equipment (for servicing or maintenance purposes) is considered an authorized employee. This includes employees who:

1. perform energy isolation;
2. implement lockout and/or tagout on machines or equipment;
3. dissipate potential (stored) energy;
4. verify energy isolation;