AMERICAN NATIONAL STANDARD

ANSI/ASSE A10.11 – 2010 (R2016)
Safety Requirements for Personnel Nets

American National Standard
for Construction and Demolition Operations

AMERICAN SOCIETY OF SAFETY ENGINEERS

ANSI/ASSE A10.11 – 2010 (R2016)

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American National Standard
Construction and Demolition Operations

Safety Requirements for Personnel Nets

Secretariat

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

Approved October 11, 2016

American National Standards Institute, Inc.

American National Standard

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Published November 2016 by

American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, Illinois 60068
(847) 699-2929 • www.asse.org

Printed in the United States of America

Foreword

(This Foreword is not a part of American National Standard A10.11-2010 (R2016).)

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 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 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.

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

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AMERICAN NATIONAL STANDARD A10.11
SAFETY REQUIREMENTS FOR PERSONNEL NETS

1. GENERAL

1.1 Scope. This standard establishes safety requirements for the selection, installation and use of personnel nets during construction, repair and demolition operations.

1.2 Purpose. The purpose of this standard is to provide minimum design, testing and use requirements for personnel nets.

1.3 Exceptions. In cases of practical difficulties, unnecessary hardships or new developments, the enforcing authority may grant exceptions to literal requirements of this standard. These exceptions may permit use of other devices or methods, but only when it is clearly indicated that equivalent safety and permanent installation are thereby secured.

2. REFERENCED AND RELATED STANDARDS

2.1 Referenced Standard.

This standard is intended to be used in conjunction with ASTM B117-02, *Standard Method of Salt-Spray (Fog) Testing*.

2.2 Related American National Standards.

ANSI/ASSE A10.4, *Personnel Hoists and Employee Elevators*

ANSI/ASSE A10.5, *Material Hoists*

ANSI/ASSE A10.6, *Demolition Operations*

ANSI/ASSE A10.8, *Scaffolding*

ANSI/ASSE A10.9, *Concrete and Masonry Construction*

ANSI/ASSE A10.32, *Fall Protection Systems for Construction and Demolition Operations*

ANSI/ASSE A10.37, *Debris Net Systems Used During Construction and Demolition Operations*

ANSI/ASME A39.1, *Safety Requirements for Window Cleaning* (including supplements ANSI/ASME A39.1a and A39.1b)

ANSI/SIA A92.2, *Vehicle-Mounted Elevating and Rotating Aerial Devices*

ANSI/ASSE Z490.1, *Accepted Practices for Safety, Health and Environmental Training*

3. DEFINITIONS

3.1 Competent Person. One who is capable of identifying existing and predictable hazards in the surroundings or working conditions that are hazardous or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

3.2 Construction Project. Any activity involving the construction, alteration, maintenance or demolition of a structure.

3.3 Debris Net. A net that is designed to catch only debris. It must be used in conjunction with a personnel net if there is any possibility for personnel to fall. For more information on debris nets please see the ANSI/ASSE A10.37 standard.

3.4 Natural Fiber. A fiber produced by nature, such as manila, sisal or hemp.

3.5 Perimeter Net System. A system of personnel and debris nets and their supports arranged to hold nets on the edge of a floor, work surface or structure so that when the net is fully impact-loaded, the test