ASSP Z359.0-2023

Z359 Committee Guidance Document for Definitions and Nomenclature Used in Z359 Fall Protection and Fall Restraint Standards

Z359 Committee Guidance Document



AMERICAN SOCIETY OF SAFETY PROFESSIONALS

The information and materials contained in this publication have been developed from sources believed to be reliable. However, the American Society of Safety Professionals (ASSP) as secretariat of the ANSI Z359 Committee or individual committee members accept no legal responsibility for the correctness or completeness of this material or its application to specific factual situations. By publication of this document, ASSP or the Z359 Committee do not ensure that adherence to these recommendations will protect the safety or health of any persons or preserve property.

ASSP Z359.0-2023

Z359 Committee Guidance Document for Definitions and Nomenclature Used in Z359 Fall Protection and Fall Restraint Standards

Secretariat and Standards Developing Organization:

American Society of Safety Professionals 520 N. Northwest Hwy Park Ridge, Illinois 60068 (847) 699-2929 • www.assp.org

Published April 2023

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

Published in the United States of America

Foreword

The Z359 Standards Committee and ASSP as the Secretariat are responsible for the development and maintenance of a series of American National Standards for personal fall protection. These standards address requirements for fall protection programs, systems, and products. To facilitate a consistent and uniform set of terms within these standards, the Z359 committee initially centralized all terms and definitions in a single standard, ANSI/ASSP Z359.0, *Definitions and Nomenclature Used for Fall Protection and Fall Arrest*.

Though all definitions and nomenclature were approved as part of other Z359 standards, a separate ANSI review process was required for ANSI/ASSP Z359.0 to be revised. As publications of new and updated Z359 standards increased, maintenance of ANSI/ASSP Z359.0 became increasingly difficult. As a result, in 2018, in an effort to provide a resource that reflected the current content of ANSI/ASSP standards, ASSP Z359.0 was published as an ASSP guidance document rather than an American National Standard.

The Z359 Committee Guidance Document for Definitions and Nomenclature Used in Z359 Fall Protection and Fall Restraint Standards continues to serve the same purpose as its ANSI standard predecessor by providing a collection of definitions and terms approved and used within ANSI/ASSP Z359 standards. The defined terms that appear in the approved standards are the official language; this guidance document presents a collection of those terms.

At the time of publication of this guidance document, the Z359 Committee had the following members:

Thomas Kramer, P.E., CSP, Chair Dan Henn, Vice Chair Lauren Bauerschmidt, MS Engr, CSP, STS, Secretary Jennie Dalesandro, Administrative Technical Support

Organization Represented

ЗM

AES Indiana

American Contractors Insurance Group

American Society of Safety Professionals

Ballantyne Gear, Inc.

Bashlin Industries, Inc.

Battelle Energy Alliance, LLC

Bayer AG

Boeing

Buckingham Manufacturing Company

Cajun Industries, LLC CB&I Storage Solutions

Certified Access

Diversified Fall Protection

Elevated Insight & Engineering Ltd. Elk River, Inc.

Ellis Fall Safety Solutions, LLC

FallTech

General Motors Company

GME Supply Company

Name of Representative(s)

Raymond Mann Steven McPherson Nick Hutchinson Michael Wright Michael Overholt, CSP, ARM, CIT, CRIS Mike Dickerson, CSP, MS, CRIS Jubal Hamernik, Ph.D., P.E., DPE John Stephen Frost, CSP Flent Ballantyne Steven Ballantyne Caleb Williams Bradley McGill Lawrence McManamon Stephen Stapleton, CSP Adam Chapin Chad McDanel Segis Wright, CSP, SMS Hannah Lee, P.E. **DeForest Canfield** Justin Drake Troy Lake Jeff Eggert, P.E. **David Freeman** Dave Pasco Matthew Waskiewicz Kynan Wynne Travis Nelson, P.E., CSP Greg Small, P.Eng., M.Eng. Mark Conover Delisa Calhoun John Whitty, P.E. Alan Goard, MS, CSP Zachary Winters **Bradley Rohlf** Graham Parr Scott Shields, P.E. **Daniel Pobst** Chris Heitkamp

Gorbel Inc.

Gravitec Systems, Inc. Guardian Fall Harken, Inc.

Honeywell

International Safety Equipment Association

Jelco Kee Safety, Inc.

Kiewit Corporation

KMI Construction Lawrence Berkeley National Laboratory

Lawrence Livermore National Security, LLC

Liberty Mutual

LJB Inc.

Malta Dynamics, LLC

Martin/Martin Consulting Engineers

MSA

Murdock Webbing Company, Inc.

National Association of Tower Erectors

Pensafe Inc. Petzl

Pigeon Mountain Industries

Port of Seattle

Reliance Industries

Rigid Lifelines Schreiber Foods Allen Baughman Kevin Duhamel David Lough Andre Pelland Heather Robertson Matt Luedtke Giovany Gil, MS, ID Jesus Velasco Garcia Diana Jones Kevin Denis Philip Clemmons William Parsons, P.Eng. Graham Willmott Rusty Brown, CSP Steve Sanders, P.E., P.Eng. Jim Kinateder Kevin Goodwin, MS, CSP, SMS Jeffrey Barras, MS, CSP, CHST Evan Kirkpatrick, MS Kathy Brown, MS, ASP Russell Robinson, Jr., MS, CHST, ASP, CSP Brandon Rohlfs, CSP, ASP, CHST, CRIS Thomas Kramer, P.E., CSP Rupert Noton, CEng, MIStructE David Ivey Jenna Pitcher Fumitoshi Hirose, P.E. Andrew Emmons, P.E. Rob Willis Tim Botti Peter Cook Stephan Gelinas John "JP" Jones Justin Miller Keith Smith Jeremiah Wangsgard Keith Luscinski Jeff Bowles Loui McCurley Robert McMurtray Tim Mitchell Dan Henn W. Joe Shaw Arnie Galpin, P.E. Mark Winchester

Shell USA, Inc.

SKYLOTEC North America LP

SPRAT

STE

Sturges Manufacturing, Inc.

SureWerx/PeakWorks

Surface Solutions

TEiC Construction Services, Inc.

Terracon

Travelers

Tritech Fall Protection Systems, Inc

U.S. Air Force

U.S. Army Corps of Engineers

U.S. Bureau of Reclamation

U.S. Department of Energy

U.S. Department of Interior - BSEE

U.S. Navy

UAW

UL

Vertical Access LLC Wagman, Inc.

Walt Disney Parks & Resorts Werner Co.

Kevin Lord Joshua Elkins, MS, CSP, STS **Douglas Mercier Ross Balquist** Charley Rankin, MS Cedric Smith Michael Wright, P.E., CPE, CSP Mark Williams Tyler Griffith Mike Allen James "Rusty" Franklin Gabriele Fusco, P.Eng. Samuel Terry Art Schneider Shavne Powers Sarah Baker Matt McElvogue, P.E., RWC, RRO Adam Maier Scott Richert, CSP, ARM, ALCM Thomas Rankin, CSP, ARM Meridith Conser, P.E. Craig Siciliani, P.E. Robert Baker **Robert Foster** David Kloewer, P.E. Jason Walsh, CSP, SMS Brian Calliari Corey Dickson Scott Wenholz, CIH, CSP Thomas Rizzi, D.C, CSP John Cushing, Jr. David Nedorostek Charles Gum, CSP, ASP **Robert Steele** Matthew Uptmor, OHST Matt Slade **Beverly Stutts** Andrew White Kelly Streeter, P.E. Emily Cook Thomas Haag Ian Bevan Michael Cameron Cody Rappoport

Western Area Power Administration

WJE

Zachry Group

Independent Experts & Observers:

Flexible Lifeline Systems High Engineering Ltd. National Institute for Occupational Safety & Health U.S. Department of Labor - OSHA Edward Crowson Kevin Ripplinger Daniel Gach Kurt Holloway, P.E., SE Don Hurley, CSP

Michael Bailey, P.E. Brendon Kerber, M.Eng., P.Eng. Mathew Hause, BS Mark Hagemann William Zettler

The Z359 Technical Review Subgroup had the following members:

Charley Rankin, MS, Chair William Parsons, P.Eng. Vice Chair Michael Cameron Jeff Eggert, P.E. Craig Galecka, P.E., CSP Arnie Galpin, P.E. Kevin Goodwin, MS, CSP, SMS Dan Henn Raymond Mann Lawrence McManamon Keith Smith Shawn Smith, MA, MEng, CSP, SMS Beverly Stutts Scott Wenholz, CIH, CSP

Contents

1. Scope, Purpose and Application	9
2 Definitions	q

Z359 COMMITTEE GUIDANCE DOCUMENT FOR DEFINITIONS AND NOMENCLATURE USED IN Z359 FALL PROTECTION AND FALL RESTRAINT STANDARDS

1. Scope, Purpose, and Application

1.1. This document is a compilation of definitions and nomenclature used in the ANSI/ASSP Z359 series of standards for fall protection programs, systems, and equipment.

1.2. Definitions and associated informative text presented in this document reflect the most recent ANSI/ASSP Z359 standard(s) under which they were approved, which is identified following each definition.

NOTE: Some terms have been approved in multiple standards and appear multiple times in this document.

1.3. The Z359 standards committee maintains this reference document as an online resource. Users should refer to the <u>ASSP website</u> for the current edition of the document.

2. Definitions

--A--

Access Zone. (Z459.1) The immediate area where a rope access technician accesses their Progress and Backup ropes.

Accreditation. (Z359.7) Procedure by which an authoritative body gives formal recognition that a body or person is competent to carry out specific tasks. The body or person deemed competent through this process is accredited.

Activation Distance. (Z359.6) The distance traveled by a fall arrester or the amount of line payed out by a self-retracting lanyard (SRL) from the point of onset of a fall to the point where the fall arrester or self-retracting lifeline begins to apply a braking or stopping force.

NOTE: Activation distance is part of the free fall distance. The activation point is the point where the fall arrester engages the lifeline or, in the case of an SRL, where an internal brake begins to engage.

Activation Distance. (Z359.14) The distance traveled by a fall arrester or the amount of line paid out by a self-retracting device (SRD) from the point of onset of a fall to the point where the fall arrester of self-retracting device begins to apply a braking or stopping force.

Active Fall Protection System. (Z359.2) A fall protection system that requires authorized persons to wear or use equipment.

NOTE: Active fall protection systems include any travel restraint, positioning or fall arrest system used to protect authorized persons at height.

Adjuster. (Z359.11) A component that provides a means to vary the length of a strap, webbing or rope.

Adjuster. (Z359.12) A component that provides a means to vary the length of a strap, webbing or rope.

Aid Climbing. (Z459.1) A method of vertical or lateral movement in which the rope access technician moves their suspended body weight by repositioning of anchorages and/or transitioning from one anchor point to another closely placed anchor point.