

Selection and use of active fall-protection equipment and systems



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CSA Z259.17:21

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Technical Committee on Fall Protection

W. R. Parsons	Kee Safety Group, Concord, Ontario, Canada <i>Category: Producer Interest</i>	<i>Chair</i>
W. J. Donnelly	Tuff Safety Solutions Canada Ltd., West St. Paul, Manitoba, Canada <i>Category: General Interest</i>	<i>Vice-Chair</i>
M. Abskharoun	Ontario Ministry of Labour, Training and Skills Development, Mississauga, Ontario, Canada <i>Category: Regulatory Authority</i>	
T. J. Accursi	PeakWorks Inc., Coquitlam, British Columbia, Canada <i>Category: Producer Interest</i>	
G. Bilodeau	Hydro-Québec, Montréal, Québec, Canada <i>Category: User Interest</i>	
A. L. Brisson	Objective Engineering Inc., Ingersoll, Ontario, Canada <i>Category: General Interest</i>	
D. F. Chen	Atlas Anchor Systems (B.C.) Ltd., Vancouver, British Columbia, Canada	<i>Non-voting</i>
P. Clemmons	J.E. Lortie Cie Limitée/J.E. Lortie Company Limited, Montreal, Québec, Canada <i>Category: Producer Interest</i>	
G. O. Crabbe	Department of National Defence, Ottawa, Ontario, Canada <i>Category: User Interest</i>	
B. Crankshaw	Petzl America, Golden, British Columbia, Canada	<i>Non-voting</i>
N. Der	ESDC-Labour Program, Vancouver, British Columbia, Canada <i>Category: Regulatory Authority</i>	

S. Doan	Yoke, Fort Erie, Ontario, Canada	<i>Non-voting</i>
J. Drake	Buckingham Mfg. Co., Binghamton, New York, USA <i>Category: Producer Interest</i>	
W. Faber	Pure Safety Group, Kent, Washington, USA	<i>Non-voting</i>
B. Frehlich	Axis Engineering Ltd., Saskatoon, Saskatchewan, Canada <i>Category: General Interest</i>	
J. Fuke	3M, Mississauga, Ontario, Canada	
G. Fusco	PeakWorks Inc., Coquitlam, British Columbia, Canada	<i>Non-voting</i>
B. Galy	IRSST, Montréal, Québec, Canada	<i>Non-voting</i>
G. Gil	Honeywell, Mexico City, Mexico	<i>Non-voting</i>
K. D. Glubish	KenTech Safety Consulting, Edmonton, Alberta, Canada <i>Category: User Interest</i>	
M. Greer	Hydro One, Holland Landing, Ontario, Canada <i>Category: User Interest</i>	
P. Grenier	Hydro-Québec, Montréal, Québec, Canada	<i>Non-voting</i>
R. Guenette	Gravisys Inc., Sherwood Park, Alberta, Canada	<i>Non-voting</i>
M. Hamidi	WorkSafe BC, Vancouver, British Columbia, Canada <i>Category: Regulatory Authority</i>	

M. Jacob	MSA Safety, Cranberry Township, Pennsylvania, USA <i>Category: Producer Interest</i>	
H. Landreville	GRAVI-T ZERO International, Boucherville, Québec, Canada	<i>Non-voting</i>
B. Lawrence	Liftsafe Fall Protection, Ayr, Ontario, Canada	<i>Non-voting</i>
M. Lefebvre	Workers' Safety and Compensation Commission (WSCC), Inuvik, Northwest Territories, Canada <i>Category: Regulatory Authority</i>	
C. LeGrow	Technical Rope & Rescue Inc., Bawline, Newfoundland and Labrador, Canada	<i>Non-voting</i>
R. Ludwig	Cancord Inc., Hamilton, Ontario, Canada <i>Category: Producer Interest</i>	
M. MacGregor	Nova Scotia Department of Labour and Advanced Education, New Glasgow, Nova Scotia, Canada <i>Category: Regulatory Authority</i>	
C. A. Martin	Martin Up Consulting Inc., Alma, New Brunswick, Canada <i>Category: User Interest</i>	
A. Miranda-Chang	CNESST, Québec, Québec, Canada <i>Category: Regulatory Authority</i>	
R. O'Neil	Disruptive Developments, Airdrie, Alberta, Canada <i>Category: General Interest</i>	
T. O'Reilly	AlumaSAFEWAY, Inc., Toronto, Ontario, Canada	<i>Non-voting</i>
C. W. Parchewsky	Westower Communications Ltd., Saskatoon, Saskatchewan, Canada <i>Category: User Interest</i>	

A. Pelland	Pure Safety Group, Houston, Texas, USA	<i>Non-voting</i>
T. B. Robertson	Manitoba Hydro, Winnipeg, Manitoba, Canada <i>Category: User Interest</i>	
R. R. Ryley	Tritech Fall Protection Systems LTD, Calgary, Alberta, Canada	<i>Non-voting</i>
B. Sanders	Ontario Ministry of Labour, Training and Skills Development, London, Ontario, Canada	<i>Non-voting</i>
B. Sepe	MSA Safety, Cranberry Township, Pennsylvania, USA	<i>Non-voting</i>
G. E. Small	Elevated Insight and Engineering Ltd., Calgary, Alberta, Canada <i>Category: General Interest</i>	
K. Smith	PenSafe Inc., Stoney Creek, Ontario, Canada <i>Category: Producer Interest</i>	
R. Sopka	PCL Constructors Inc., Edmonton, Alberta, Canada <i>Category: User Interest</i>	
J. Sousa	Gravisys Inc., Sherwood Park, Alberta, Canada <i>Category: General Interest</i>	
A. K. Thomforde	3M Fall Protection, Red Wing, Minnesota, USA <i>Category: Producer Interest</i>	
A. Tsen	DSI SAFETY Inc., Mississauga, Ontario, Canada	<i>Non-voting</i>
K. Van Steele	Read Jones Christoffersen Limited, Vancouver, British Columbia, Canada	<i>Non-voting</i>

B. Varrasso	Infrastructure Health and Safety Association, Mississauga, Ontario, Canada <i>Category: General Interest</i>	
L. Verville	Brossard, Québec, Canada	<i>Non-voting</i>
M. Walsh	Stratford Shakespeare Festival, Stratford, Ontario, Canada	<i>Non-voting</i>
G. Willmott	Kee Safety Group, West Midlands, United Kingdom	<i>Non-voting</i>
B. R. Zeissler	Safety Direct Ltd., Sherwood Park, Alberta, Canada <i>Category: Producer Interest</i>	
T. Donovska	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

Subcommittee on Selection and Use of Active Fall-Protection Equipment and Systems

W. J. Donnelly	Tuff Safety Solutions Canada Ltd., West St. Paul, Manitoba, Canada	<i>Chair</i>
K. D. Glubish	KenTech Safety Consulting, Edmonton, Alberta, Canada	<i>Vice-Chair</i>
M. Abskharoun	Ontario Ministry of Labour, Training and Skills Development, Mississauga, Ontario, Canada	
G. Bilodeau	Hydro-Québec, Montréal, Québec, Canada	
G. O. Crabbe	Department of National Defence, Ottawa, Ontario, Canada	
B. Cruikshank	Petzl America, Golden, British Columbia, Canada	
M. Der	ESDC-Labour Program, Vancouver, British Columbia, Canada	
M. Greer	Hydro One, Holland Landing, Ontario	
M. Hamidi	WorkSafe BC, Vancouver, British Columbia, Canada	
H. Landreville	GRAVI-T ZERO International, Boucherville, Québec, Canada	
C. LeGrow	Technical Rope & Rescue Inc., Bawline, Newfoundland and Labrador, Canada	
M. MacGregor	Nova Scotia Department of Labour and Advanced Education, New Glasgow, Nova Scotia, Canada	

R. O’Neil	Disruptive Developments, Airdrie, Alberta, Canada	
T. O’Reilly	AlumaSAFEWAY, Inc., Toronto, Ontario, Canada	
C. W. Parchewsky	Westower Communications Ltd., Saskatoon, Saskatchewan, Canada	
H. Pilkiw	Hardrock Group of Companies, Bolton, Ontario, Canada	
T. B. Robertson	Manitoba Hydro, Winnipeg, Manitoba, Canada	
R. Sopka	PCL Constructors Inc., Edmonton, Alberta	
K. Van Steele	Read Jones Christoffersen Limited, Vancouver, British Columbia, Canada	
B. Varrasso	Infrastructure Health and Safety Association, Mississauga, Ontario, Canada	
T. Donovska	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

Preface

This is the second edition of CSA Z259.17, *Selection and use of active fall-protection equipment and systems*. This Standard supersedes the previous edition published in 2016.

The purpose of this Standard is to provide criteria for the safe selection and use of fall-protection equipment and systems.

Significant changes in this edition include the following:

- a) information included on selection and use of post-fall rescue equipment, plans, and procedures.;
- b) enhanced the emergency and rescue plan identification requirements;
- c) equations are now provided for required clearance — vertical lifeline;
- d) new annex on examples of improper use and assembly of equipment, systems and components;
- e) new annex on sample site-specific fall protection work plan; and
- f) new annex outlining a recommended rescue flow chart.

This Standard does not supersede the authority having jurisdiction. The manufacturer's instructions and recommendations are part of the safe use and operation of the fall-protection equipment and systems.

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This Standard was prepared by the Subcommittee on Selection and Use of Active Fall-Protection Equipment and Systems under the jurisdiction of the Technical Committee on Fall Protection and the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

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CSA Z259.17:21

Selection and use of active fall-protection equipment and systems

0 Introduction

Effective abatement of fall hazards is complex, requiring skilled selection and assembly of equipment and systems. The chosen solutions need to be understood and properly used by workers, balancing protection from danger against the practical need to accomplish work. The optimal solution needs to consider the type of work, the frequency of access, the knowledge and skill of the workers, and many other factors. A solution that is effective for one situation can be cumbersome or even dangerous in another.

Other standards in the CSA Z259 series provide criteria for the design and functioning of individual components and systems, providing quality products to the marketplace. Available equipment and systems have various features, some of which may or may not be considered, tested, or certified to these standards. They may be combined in a wide variety of ways to address a wide variety of scenarios, with consequent variance in effectiveness.

The purpose of this Standard is to provide guidance for the selection and use of active fall-protection systems and equipment. It provides information, methods, and criteria to assess how equipment and assembled systems behave, and how solutions should be selected and implemented.

1 Scope

1.1

This Standard specifies requirements for the selection, use, and application of active fall-protection equipment and systems as well as information on selection and use of post-fall rescue equipment, plans, and procedures.

1.2

The purpose of this Standard is to provide criteria and considerations for the safe selection and use of active fall-protection equipment and systems.

1.3

The selection and use of fall-protection systems as part of a fall-protection program that may include such elements as hazard assessment, work methods, purchasing, practices, training, maintenance, and inspection intended to minimize the risks involved.

1.4

The clauses of this Standard are intended to reduce risks, which are inherent in all active fall-protection systems.