

# 3M Pre-engineered Horizontal Lifeline Systems and the Involvement of a Qualified Person — Canada

## Description

This Technical Bulletin is intended to address and explain written passages in the user instructions for 3M Pre-engineered Horizontal Lifelines referring to the OSHA requirement to involve a Qualified Person for both installation and use of the systems. This bulletin is an overview only for applications within Canada and you should refer to your provincial, territorial or federal requirements as they pertain to your specific workplace environment and application.

OSHA is the Occupational Safety and Health Administration in the United States. It is the federal agency which provides regulatory requirements for employers and workers in the US.

- OSHA 1910.140(c)(11)(i) “The employer must ensure that each horizontal lifeline: Is designed, installed, and used under the supervision of a qualified person”

While many other jurisdictions look to OSHA as a basis for their local regulations, the Canadian regulatory environment is largely based on the following:

- 1) Canada Labour Code, Part II and Canada Occupational Health and Safety Regulations for federal work sites and locations.
- 2) Provincial/Territorial occupational safety and health codes and regulations.

The table below provides a brief summary of the respective regulations regarding pre-engineered HLL systems by region in Canada. It is important to note that this is simply a framework from which to begin a search for the current requirements within each province or region. This is not meant to be a fully exhaustive regulatory listing and legislation continues to be updated. In some cases, there may be more than one regulation regarding a HLL system installation. Where that is the case, we have chosen the more stringent of the offerings for this document.

Region	Name of Regulation	Regulation	Notes
Federal	Canada Occupational Health and Safety Regulations (SOR/86-304), Part XII, Protective Equipment and Other Preventative Measures	<b>12.05(1)</b> All protection equipment that is provided by an employer must <b>(c)</b> in the case of any component of the equipment that requires installation and dismantling, be installed and dismantled by a qualified person in accordance with the manufacturer’s instructions. <b>(d)</b> in the case of equipment that is used in a fall-protection system, be used in accordance with the manufacturer’s instructions.	<b>Qualified person</b> means, in respect of a specified duty, a person who, because of his knowledge, training and experience, is qualified to perform that duty safely and properly;

Region	Name of Regulation	Regulation	Notes
<b>Alberta</b>	Occupational Health and Safety Code, Alberta Regulation 87/2009, Part 9 Fall Protection	<p><b>Installation of horizontal lifeline systems</b></p> <p><b>153.1</b>An employer must ensure that before a horizontal lifeline system is used, a professional engineer, a competent person authorized by the professional engineer, the manufacturer, or a competent person authorized by the manufacturer certifies that the system has been properly installed according to the manufacturer’s specifications or to specifications certified by a professional engineer.</p>	<p>“<i>Competent</i>” in relation to a person, means adequately qualified, suitably trained and with sufficient experience to safely perform work without supervision or with only a minimal degree of supervision;</p>
<b>BC</b>	Occupational Health and Safety Regulation, B.C. Reg. 296/97, Part 11 – Fall Protection	<p><b>Temporary horizontal lifelines</b></p> <p>A temporary horizontal lifeline may be used if the system is</p> <p><b>11.7 (a)</b>manufactured for commercial distribution and installed in accordance with the written instructions from the manufacturer or authorized agent, and the instructions are readily available in the workplace.</p> <p><b>(b)</b> installed and used in accordance with written instructions certified by a professional engineer, and the instructions are readily available in the workplace, or</p> <p><b>(c)</b> designed, installed and used in a manner acceptable to the board.</p>	<p><i>Qualified</i> means being knowledgeable of the work, the hazards involved and the means to control the hazards, by reason of education, training, experience or a combination thereof...</p>
<b>MB</b>	Workplace Safety and Health Regulations, 217/2006, Part 14	<p><b>Horizontal lifelines</b></p> <p><b>14.22(1)</b> When a worker uses a horizontal lifeline system, an employer must ensure that the specifications for the system are kept at the worksite and are readily accessible by a worker.</p> <p><b>14.22(2)</b> The specifications of the horizontal lifeline system must address the following issues:</p> <p><b>(a)</b> the arrangement of the system, including the anchorage or fixed support system;</p> <p><b>(d)</b> the instructions for installation or erection;</p>	

Region	Name of Regulation	Regulation	Notes
NB	Regulation 19/191 under the Occupational Health and Safety Act (O.C. 91-1035)	<p><b>Pre-engineered horizontal lifeline systems</b></p> <p><b>49.6</b> An owner of a place of employment, an employer and a contractor shall each ensure that a competent person installs the pre-engineered life line system in accordance with manufacturer’s specifications.</p>	<p>“<i>Competent</i>” means</p> <p>(a) qualified, because of such factors as knowledge, training and experience, to do assigned work in a manner that will ensure the health and safety of persons,</p> <p>(b) knowledgeable about the provisions of the Act and the regulations that apply to the assigned work, and</p> <p>(c) knowledgeable about potential or actual danger to health or safety connected with the assigned work.</p>
NL	Regulation 5/12, Occupational Health and Safety Regulation, 2012, Part X Fall Protection	<p><b>142(5)</b> An employer who provides a worker with a fall arrest system shall ensure the fall arrest system is inspected by a qualified person before each work shift undertaken by the worker.</p> <p><b>(6)</b> A qualified person who carries out an inspection of a fall arrest system shall advise the employer where a component of the system is defective in condition or function and the employer shall ensure that the system is not used until the defective component is replaced or repaired.</p>	<p>Qualified person is not defined in this regulation. Installation requirements for the system are not specifically addressed in the regulation.</p>
NS	Workplace Health and Safety Regulations, OHS S.N.S. 1996, c. 7; N.S. Reg. 143/2014	<p><b>Fall-arrest systems</b></p> <p><b>21.9</b> An employer must ensure that a fall-arrest system that is used as a means of fall-protection is erected, installed, assembled, used, handled, stored, adjusted, maintained, repaired, inspected, serviced, tested, cleaned and dismantled in accordance with the manufacturer’s specifications and designed in accordance with the requirements of the latest version of CSA standard CSA Z259.16, “Design of active fall-protection systems”.</p>	<p>“<i>Competent person</i>” means</p> <p>(i) qualified because of their knowledge, training and experience, to do the assigned work in a manner that ensures the health and safety of every person in the workplace, and</p> <p>(ii) knowledgeable about the provisions of the Act and the regulations that apply to the assigned work, and about potential or actual danger to health or safety associated with the assigned work.</p>

Region	Name of Regulation	Regulation	Notes
ON	Ontario Regulation 213/91, Construction Projects	<p><b>26.9(8)</b> The following requirements apply to a horizontal lifeline system:</p> <p>2. The design may be a standard design or a custom design.</p> <p>3. The design shall, iv. set out instructions for the installation or erection, and</p> <p>4. The system shall be installed or erected, and maintained, in accordance with the professional engineer's design.</p> <p>5. Before each use, the system shall be inspected by a professional engineer or a competent worker designated by a supervisor.</p>	<p><i>“Competent worker”</i> in relations to specific work, means a worker who,</p> <p>(a) is qualified because of knowledge, training and experience, to perform the work</p> <p>(b) is familiar with the Occupational Health and Safety Act and with the provisions of the regulations that apply to the work, and</p> <p>(c) has knowledge of all potential or actual danger to health or safety in the work</p>
PEI	Occupational Health and Safety Act, Fall Protection Regulations, EC633/04	<p><b>2.1 Required training in use of a means of fall protection</b></p> <p>(1) Where, in accordance with subsection 2 (1) or (4) an employer of a worker provides the worker with a means of fall protection for use at a work area, the employer shall ensure the worker is trained in the use of the means of fall protection by a competent person and that the training includes</p> <p>(a) training in the use, care and inspection of the means of fall protection; and</p> <p>(b) a review of the provisions of these regulations that apply to the means of fall protection.</p>	<p><i>“Competent person”</i> means a person who is</p> <p>(i) qualified because of that person's knowledge, training and experience to do the assigned work in a manner that will ensure the health and safety of persons in the workplace, and</p> <p>(ii) knowledgeable about the provisions of the Act and the regulations that apply to the assigned work, and about potential or actual danger to health or safety associated with the assigned work</p>
QC	Occupational Health and Safety – Construction – Safety Code, CQLR c. S-2.1, r. 4	<p><b>2.10.15. Anchorage System</b> The fall arrest connecting device of a safety harness must be secured to</p> <p>(2) a flexible continuous anchorage system (horizontal lifeline) with one of the following characteristics:</p> <p>(b) designed and installed in accordance with an engineer's plan in compliance with CSA Standard Z259.13 Flexible Horizontal Lifeline Systems and CSA Standard Z259.16 Design of Active Fall-Protection Systems</p>	

Region	Name of Regulation	Regulation	Notes
SK	Occupational Health and Safety Regulations, 1996, S.S., c. O-1.1, Reg 1 – Part VII	<p><b>Lifelines</b></p> <p><b>101(1)</b> Unless otherwise specifically provided, an employer, contractor or owner shall ensure that a lifeline:</p> <p><b>(4)</b> Unless otherwise specifically provided, an employer or contractor shall ensure that a horizontal lifeline is:</p> <p><b>(a)</b> either:</p> <p><b>(i)</b> designed and certified as safe by a professional engineer; or</p> <p><b>(ii)</b> manufactured to an approved standard; and</p> <p><b>(b)</b> installed and used in accordance with the design mentioned in clause (a) or the manufacturer’s recommendations.</p>	“Competent worker”, with respect to a particular task or duty, includes a worker who is being trained to perform that task or carry out that duty and who is under close and competent supervision during that training;
YU	Occupational Health and Safety Regulations, O.I.C. 2006/178	<p><b>Horizontal lifeline usage</b></p> <p><b>1.41</b> Where a horizontal lifeline is used as a temporary system of fall restraint, it shall</p> <p><b>(b)</b> be either certified by a professional engineer as meeting the requirements of a permanent system as outlined in section 1.42, or...</p> <p><b>1.42</b> A permanent horizontal lifeline shall be designed by a professional engineer, who shall provide the workplace with signed and dated drawings and instructions for a lifeline system, indicating</p> <p><b>(d)</b> written certification that the lifeline system has been installed in accordance with the design documents.</p>	
NWT	Occupational Health and Safety Regulations R-039-2015	<p><b>103(4)</b> An employer shall ensure that a horizontal lifeline is</p> <p><b>(a)</b> either</p> <p><b>(i)</b> designed and certified by a professional engineer, or</p> <p><b>(ii)</b> manufactured to an approved standard; and</p> <p><b>(b)</b> installed and used in accordance with the design or standard referred to in paragraph (a) or the manufacturer’s specifications.</p>	
NU	Consolidation of Occupational Health and Safety Regulations R-003-2016		

3M pre-engineered Horizontal Lifeline’s including 3M™ DBI-SALA® EZ-Line™, 3M™ DBI-SALA® Sayflin™, 3M™ DBI-SALA® SecuraSpan™, and 3M™ PROTECTA™ Web HLL systems shall be installed and used as directed by the regulatory bodies listed in this bulletin based on the applicable jurisdiction.

# 3M Personal Safety Division

3M pre-engineered Horizontal Lifelines have been designed, tested and certified by 3M to meet the performance requirements specified in the instructions for use (IFU). It is the responsibility of the employer to identify their own qualified or competent person, as defined by the applicable regulation, who will supervise the installation and use of an appropriately selected horizontal lifeline system for the employer's specific workplace application.

3M Fall Protection remains committed to providing high quality products and services to our customers. If you have any additional questions or concerns regarding this technical bulletin, please contact our Technical Service department immediately at 800-387-7484.

**IMPORTANT NOTE:** Refer to the 3M *Instructions for Use* provided with your product for additional information. Remember, regulations are subject to periodic change and updating. Every effort will be made to keep this document current. It is important to stay current to understand your local requirements. Review the regulations in your area often.



## 3M Personal Safety Division

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