

526 CMR 10.00: RECREATIONAL TRAMWAYS

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10.01 : General Provisions

(1) Scope.

- (a) 526 CMR 10.00 is promulgated by the Commonwealth of Massachusetts Recreational Tramway Board pursuant to authority granted by M.G.L. c. 143, § 711.
- (b) The purpose of 526 CMR 10.00 is to provide standards for the construction, modification, inspection, operation, maintenance and use of Tramways; for the certification of inspectors thereof, and for the adoption and maintenance of a system of signs to be used by Operators, in order to ensure public safety.
- (c) 526 CMR 10.00 shall apply to tramways as defined by 526 CMR 10.02.
- (d) All tramways in the Commonwealth are subject to 526 CMR 10.00.

- (2) Definitions. The following words and terms, when used in 526 CMR 10.00, shall have the following meanings unless the context clearly indicates otherwise or the term is redefined for a specific section or purpose.

ANSI. American National Standard Institute Safety Requirements for Passenger Ropeways, Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors, published most recently as ANSI B77.1-20~~1~~<sup>21</sup>.

ASNT. American Society of Non-destructive Testing.

Attendant. A person who is 16 years of age or older who works under the direction of the Operator and is responsible for loading ~~R~~iders onto tramways and unloading ~~R~~iders from tramways.

Board. The Recreational Tramway Board.

Certified Inspector. A person who has been approved and certified by the Board on a ~~h~~<sup>biennial</sup> basis to inspect tramways pursuant to M.G.L. c. 143, § 711 and 526 CMR 10.00.

Daily Preoperational Inspection Log. A log which is completed by the Operator each day prior to the opening of the Tramway to the public and signed by the Maintenance Mechanic prior to the close of each day of operation. The Log details all daily inspection requirements set forth in ANSI and in the Manufacturer's Manual and all stoppages over 30 minutes during regular operation.

~~Department. The Department of Public Safety.~~

Dynamic Testing Log. A log completed by a Maintenance Mechanic, which details all dynamic testing performed on Tramways.

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**Employee Training Documentation.** Documentation maintained by the Ski Area Operator that details specific training received by Tramway Operators.

**License.** A certificate issued by the Board pursuant to M.G.L. c. 143, §71K to a Ski Area Operator after the Ski Area Operator's License Application has been submitted to and approved by the Board.

**License Application.** A standard form of application, issued by the Board, for a Licensee to operate a Ski Area.

**Load Zone.** The area from the "wait here" sign to a point where the vertical clearance of the lift line is greater than eight feet, measured from the bottom of the chair seat of an open carrier to the terrain or snow surface.

**Maintenance Mechanic.** A person who is trained in the maintenance, Repair, and upkeep of tramways and ~~the~~ components.

**Maintenance Repair Log.** A log completed by a Maintenance Mechanic, which details all work performed on the Tramway including reports of components replaced or repaired.

**Major Modification.** An alteration of the current design of the Tramway resulting in a change in:

- (a) The design speed of the system;
- (b) The rated capacity by changing the number of carriers, spacing of carriers, or load capacity of carriers;
- (c) The path of the rope;
- (d) The type of brakes and/or backstop devices or components thereof;
- (e) The structural arrangements;
- (f) Power or type of prime mover or auxiliary engine; or
- (g) Control system logic.

**Manufacturer.** A person who has responsibility for the manufacture of any Tramway to be installed or sold for use in the Commonwealth.

**Manufacturer's Bulletins.** Documents provided by the Manufacturer to Ski Area Operators regarding alerts and maintenance modifications after a Tramway has been manufactured and installed.

**Manufacturer's Manual.** A document provided by the Manufacturer that details the operational requirements, maintenance requirements and procedures of the Tramway.

**Manufacturer's Specifications.** Specifications set forth in the Manufacturer's Manual.

**Mechanical Malfunction.** Any breakdown that constitutes a failure of a load bearing element, mechanical or electrical failure of a drive or control system component or failure of a restraint system which compromises Tramway safety.

**Minor Injury/Illness.** Injuries and illnesses which may or may not require emergency first aid or significant treatment, or both, but cannot be otherwise classified as a Serious Injury or illness. This category shall include incidents where treatment is limited to such things as the dispensing of over-the-counter medication or plastic adhesive strips, cleansing, rest, and other similar duties or assistance.

**Minor Modification.** Any change that is not a Major Modification and does not alter the structural or operational characteristics of the Tramway or change its performance from that specified in the Manufacturer's design criteria.

**Non-destructive Testing (NDT) Report.** A report detailing testing of critical mechanical and structural components of a Tramway, including grips, hangers, chairs and cabins, against accepted criteria established by the designer or Manufacturer; or if the designer or Manufacturer is no longer in business and the original criteria are no longer applicable, by a Registered Professional Engineer.

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Office: The Office of Public Safety and Inspections.

Operating Manual. The document that contains the required procedures and forms for the safe operation of a Tramway.

Operator. A person who is 18 years of age or older who is responsible for the operation of a Tramway.

Prior to Operation (PTO) Affidavit. An Affidavit executed by a Ski Area Operator, on a form provided by the Board, certifying that all items of non-compliance documented in the Certified Inspector's report have been corrected and that the Tramway is in full compliance with 526 CMR 10.00.

Records. Documents that a Ski Area Operator shall be in possession of, and must make available to Certified Inspectors and State Inspectors upon request. Such documents shall include:

- (a) Manufacturer's Manual;
- (b) Manufacturer's Bulletins;
- (c) Daily Preoperational Inspection Log;
- (d) Maintenance Repair Log;
- (e) Dynamic Testing Schedule;
- (f) Non-destructive Testing Reports;
- (g) Wire Rope Inspection Reports;
- (h) Evacuation Plans and Log;
- (i) Tramway Incident Reports; and
- (i) Employee Training Documentation.

Registered Professional Engineer. A person who is registered and in good standing in Massachusetts as a professional engineer.

Repair. The restoration of a Tramway component with like components or materials that meet or exceed current design specifications for the Tramway.

Reportable Tramway Incidents.

- (a) Any incident involving a Tramway in which a person sustains an Injury.
- (b) Any unintentional deropement of a Tramway (except for tows and conveyors).
- (c) Any unplanned evacuation of a Tramway (except for surface lifts, tows and conveyors) other than by prime mover or auxiliary power unit.
- (d) Any fire involving Tramway equipment or structures.
- (e) Failure of any electrical or mechanical component which results in the loss of control of the Tramway, including:
  - 1. Tramway will not slow down or stop when given the command to do so;
  - 2. Tramway accelerates faster than normal design acceleration;
  - 3. Tramway reverses direction unintentionally, self-starts or self-accelerates without the command to do so.

Rider. A person riding on or utilizing a Tramway.

RTB (Recreational Tramway Board) Number. The unique identifying number assigned to each Tramway by the Board.

Safety Equipment. Includes fire extinguishers, emergency main electrical disconnect, lock-out point and nearest telephone for routine or emergency assistance.

Serious Injury. A personal injury that results in dismemberment, significant disfigurement, a life-threatening injury, or death.

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**Ski Area.** All of the slopes and trails under the control of a Ski Area Operator, including cross-country Ski Areas, slopes and trails, and any Tramway in operation on any such slopes or trails administered or operated as a single enterprise but shall not include base lodges, motor vehicle parking lots and other portions of ski areas used by skiers when not actually engaged in the sport of skiing.

**Ski Area Operator.** A person who is licensed pursuant to M.G.L. c. 143, § 71K to own, operate or manage a Ski Area.

**Ski Slope or Trail.** An area designed by the person or organization having operational responsibility for the Ski Area as herein defined, including a cross-country Ski Area, for use by the public in furtherance of the sport of skiing, meaning such designation as is set forth on a trail map or as otherwise designated by a sign indicating to the skiing public the intent that the area be used by skiers for purpose of participating in the sport.

**State Inspector.** An inspector who is an employee of the ~~Department~~Office of Public Safety and Inspections.

**Tramway.** A device used to transport ~~R~~Riders uphill on skis, or in cars on tracks, or suspended in the air, by the use of steel cables, chains or belts or by ropes, and usually supported by trestles or towers with one or more spans. The term Tramway shall include the following:

- (a) Multi-car aerial Tramway, a device used to transport ~~R~~Riders in several open or enclosed cars attached to, and suspended from, a moving wire rope, or attached to a moving wire rope and supported on a standing wire rope, or similar devices.
- (b) Chair lift, a type of transportation on which ~~R~~Riders are carried on chairs suspended in the air and attached to a moving cable, chain or link belt supported by trestles or towers with one or more spans, or similar devices.
- (c) J bar, T bar or platter pull, so-called, and similar types of devices, means of transportation which pull ~~R~~Riders on skis by means of an attachment to a main overhead cable supported by trestles or towers with one or more spans.
- (d) Rope tow, a type of transportation which pulls ~~R~~Riders on skis as the ~~R~~Riders grasp the rope manually, or similar devices.
- (e) Moveable conveyor belt, a device which transports ~~R~~Riders, usually on skis, as the ~~R~~Riders stand on top of it.

**Tramway Incident Report.** A document which details all Reportable Tramway Incidents.

**Unload Zone.** The area approaching the unload area where the vertical clearance is less than eight feet, measured from the bottom of an open carrier to the terrain or snow surface.

(3) **Standard Adopted.** ANSIB77.1-~~2011~~2022 is the standard adopted and incorporated by reference as part of 526 CMR subject to the revisions and additions contained in ~~524-526~~ CMR 10.15. In the event that any provision of this standard conflicts with the provisions of 526 CMR, 526 CMR shall govern. This standard is on file with the Secretary of State.

10.02 : **General Administrative Provisions**

(1) **Fees.** A fee shall be paid by the applicant for each Tramway listed in the License Application according to the fee schedule as set forth by the Commissioner of Administration and Finance in 801 CMR 4.02(526).

(2) **Insurance.**

- (a) The Ski Area Operator shall furnish proof of financial responsibility to satisfy claims for damages on account of any physical injuries suffered by any Rider by reason of any act or omission on the part of the Ski Area Operator in the minimum amount of \$1,000,000 per occurrence naming the Commonwealth of Massachusetts as the certificate holder.
- (b) Certified Inspectors shall also furnish proof of liability insurance to satisfy claims for damages on account of any physical injuries or property damage suffered by any Rider by reason of any act or omission on the part of the Certified Inspector, his agents or employees in the minimum amount of \$100,000.00 in combined single limit with respect to bodily injury and property damage.

10.02 : continued

(c) Insurance Exemption. Any privately owned, non-profit ski area which has annual visits of less than 2000 skiers in the year preceding the filing of its application for licensure of its ~~T~~tramways may apply for exemption from 526 CMR 10.02(2)(a). If an exemption from the insurance requirement is granted by the Board, the licensee must clearly advise all ski visitors to the ski area by means of a written waiver of the lack of insurance. The waiver for all ski visitors under 18 years of age must be signed by a parent or guardian. The licensee must maintain a record of all signed waivers for a period of one year. The signed waivers shall be subject to inspection by the Board or its designee.

In order to qualify for exemption pursuant to 526 CMR 10.02(2)(c), the owner must submit the following items in place of the documentation required by 526 CMR 10.04(3)(a)4.:

1. proof of ownership of the ski area;
2. proof of non-profit status of the owner of the ski area;
3. documentation as to the number of skier visits from the immediately preceding 12-month period; and
4. a copy of a waiver it will provide to all ski visitors advising of the lack of insurance. (The waiver shall be subject to the approval of the Board.)

10.03 : Certifications

(1) Certification of Tramway Inspectors, Visual Wire Rope Inspectors, Magnetic Rope Testing (MRT) Wire Rope Inspectors and Wire Rope Splicers.

(a) In order to inspect a ~~T~~tramway or wire rope or splice a wire rope for purposes of compliance with 526 CMR, ANSI B77.1-201-~~221~~, or M.G.L. c. 143, all inspectors and splicers must be certified by the Board. Applications for certification must be submitted on forms provided by the Board. No inspection report required by 526 CMR 10.04(3) and/or ANSI B77.1-201-~~222~~ shall be accepted by the Board unless completed and signed by an individual certified by the Board for such purposes.

All applicants for certification must demonstrate professional competence and knowledge of the laws, rules and regulations by demonstrating one of the following:

1. The applicant has passed a practical and/or oral examination administered by the Board; or
2. The applicant possesses at least five years' of experience in the area of requested certification, or
3. The applicant has inspected at least 50 ~~T~~tramways in the area of requested certification; or
4. Certification by an organization deemed acceptable by the Board.

(2) Certification of Non-destructive Testing (NDT) Examiners.

(a) In order to perform a non-destructive testing examination for purposes of compliance with 526 CMR, ANSI B77.1-201-~~422~~, or M.G.L. c. 143, all examiners must be certified by the Board. Applications for certification must be submitted on forms provided by the Board and filled out completely. No inspection report required by 526 CMR 10.04(3) and/or ANSI B77.1-201-~~422~~ shall be accepted by the Board unless completed and signed by an individual certified by the Board for such purposes.

All applicants for certification must demonstrate professional competence and knowledge of the laws, rules and regulations by demonstrating that the applicant:

1. Is currently certified at a Level II or III by the American Society for Non-destructive Testing (ASNT); or
2. Is currently certified by his or her employer, or by a training facility other than ASNT in accordance with Recommended Practice No. SNT-TC-1 A.
3. Is currently certified at a Level I through the methods ~~prescribed~~-noted above in 526 CMR 10.03(2)(a)1. or 2. and is learning or working as a NDT Examiner under the direct supervision of a Level III certified **NDT** Examiner.

(b) All non-destructive testing examiners shall undergo continuing education every three years from ASNT, an employer, or a training agency.

10.03 : continued

(3) All certifications granted by the Board shall be valid for not more than two years and shall expire on May 31<sup>st</sup> of the second year of certification, unless the applicant has failed to meet any continuing education requirements or the license has been otherwise suspended or revoked in accordance with 526 CMR 10.03(2). Fees for all certifications are to be paid as set forth by the Executive Office for Administration and Finance in 801 CMR 4.00: *Rates*.

(4) Suspension and Revocation of Certification. A certification issued pursuant to 526 CMR 10.03(1) may be suspended or revoked after hearing upon a finding by the Board that a Tramway Inspector, Wire Rope Inspector, Wire Rope Splicer, or Non-destructive Testing Examiner is incompetent or untrustworthy to perform the duties attendant to the certification issued by the Board. Hearings shall be conducted pursuant to M.G.L. c. 30A and 801 CMR 1.02: *Informal/Fair Hearing Rules*. All persons testifying before the Board shall be sworn or required to affirm. The individual shall be notified in advance of such hearing in writing within a reasonable period of time. Mailing of such notice via email or first class mail to the address provided to the Board as part of the certification process shall be considered proper notice for these purposes. Any person aggrieved by a final decision of the Board may appeal to Superior Court pursuant to M.G.L. c. 30A, § 14.

#### 10.04 : Issuance of Annual License; Denials; Appeals

##### (1) License Requirements.

- (a) No person shall operate, arrange for, cause to be used, manufacture or sell for use in the Commonwealth, any Tramway that is not in compliance with 526 CMR 10.00.
- (b) No Tramway shall be operated without a valid License.

(2) Applications. The Ski Area Operator shall submit a License Application at least 30 days prior to commencing operations each year on a form supplied by the Board. A License shall be valid until December 1 of the following winter sports season (that is, a License issued December 1, 2024 expires on December 1, 2025, and a License issued March 1, 2025 also expires on December 1, 2025), for a period of one year or until the expiration, revocation or suspension of the License or insurance certificate, whichever occurs sooner.

##### (3) Approvals.

- (a) Prior to any Tramway being licensed in the Commonwealth, the Ski Area Operator shall provide the following to the Board:
  1. Completed License Application;
  2. Certified Inspector's report;
  3. PTO Affidavit, if applicable;
  4. Certificate of insurance demonstrating compliance with 526 CMR 10.02(2);
  5. Fee as set forth by the Commissioner of Administration and Finance (801 CMR 4.02(526));
  6. NDT Report; and
  7. Wire rope inspection report.
- (b) Upon approval, the Board shall issue a License to the Ski Area Operator for the Tramway(s) identified in the License Application.

(4) Inspector and Police Admission to Ski Areas. As a condition of the License, Ski Area Operators shall grant unlimited access to Ski Areas and Tramways licensed pursuant to 526 CMR 10.00 to any law enforcement officials, fire officials or State Inspectors acting in the performance of their duties.

##### (5) Denials. The Board may refuse to issue a License to an applicant for one or more of the following reasons:

- (a) Submission of an incomplete License Application;
- (b) Failure to submit required fees;
- (c) Submission of false, invalid, incorrect or fraudulent information;
- (d) If at the time of application, the applicant is under investigation by the Board or other law enforcement agency in connection with the operation of a Tramway;
- (e) If the Board finds that the applicant does not possess the integrity and general fitness to operate Tramways in a safe manner and in the public interest consistent with the purposes

of 526 CMR 10.00.

10.04 : continued

(f) Failure to submit required insurance certificate in accordance with 526 CMR 10.02(2).

(6) Appeals.

(a) If the Board refuses to issue a License, it shall notify the applicant in writing, setting forth the reasons for denial. Except where the denial is for failure to pay fees in accordance with 526 CMR 10.02(1) or submit required insurance certificate in accordance with 526 CMR 10.02(2), within 21 days of receipt of the denial, the applicant may make written demand for a hearing before the Board, or its designee, to determine the reasonableness of the Board's action. The hearing shall be held promptly and in accordance with M.G.L. c. 30A and 801 CMR 1.02: *Informal/Fair Hearing Rules*. If the denial is for failure to pay fees or submit required insurance certificate, the applicant is not entitled to a hearing to determine the reasonableness of the denial, but may resubmit the License Application with the requisite fees and insurance certificate.

(b) If, after a hearing, the Board or its designee denies the issuance of the License, it shall notify the applicant in writing. Such notice shall be sent by ~~certified-email or first class and first class~~ mail, no later than 30 days after the hearing is concluded, and shall contain the reasons for denial. Within 30 days after receipt of the notice, the applicant may appeal to Superior Court pursuant to M.G.L. c. 30A, § 14 or M.G.L. c. 143, § 71M.

10.05 : Inspections

(1) Annual Inspection.

(a) All Tramways shall be inspected by a Certified Inspector prior to being allowed to open to the public.

(b) Prior to the inspection, the Ski Area Operator shall ensure that the Tramway is ready for the inspection by having all required maintenance and inspections performed.

(c) Operators shall be available to operate the Tramway during the inspection.

(d) The Operator shall provide to the Certified Inspector the certified inspection report from the previous year.

(2) Certified Inspector Responsibilities/Duties. The Certified Inspector shall:

(a) Conduct a physical/visual inspection of the Tramway.

(b) Review maintenance and operational Records concerning the Tramway to ensure:

1. that the Manufacturer's Specifications and recommendations as they pertain to parts to be disassembled, inspected, and replaced are followed;
2. that all pertinent safety bulletins and Manufacturer specified Repairs/modifications/upkeep requirements have been implemented; and
3. compliance with manufacturer maintenance requirements and ANSI B77.1 requirements for the previous year.

(c) Review Employee Training Documentation for the current year.

(d) Review any specialist's reports required.

(e) Conduct operational tests of all Tramways.

(f) Review the evacuation plans for all Tramways; ~~and,~~

(g) Review the certified inspection report from the previous year.

(3) Certified Inspector's Report. The Certified Inspectors Report shall:

(a) Identify all Major Modifications performed on the Tramway for the past year;

(b) Confirm the review of the following Records:

1. Specialty Inspection Reports;
2. Manufacturer's Bulletins;
3. Maintenance Repair Log;
4. Employee Training Documentation; ~~and~~
5. Evacuation Plan and Log;
6. Non-destructive Testing Report;
7. Dynamic Testing Schedule and Report; and
8. Wire Rope Inspection Report.

(c) Identify items found to be out of compliance with 526 CMR 10.00, and what action, if any, was performed to bring the Tramway into compliance;

(d) Document any other issues of concern.



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- (e) Include the signature of the Certified Inspector; and
- (f) State the Certified Inspector's name and certification number, printed legibly.

Upon completion of the inspection, the Certified Inspector shall submit an inspection report to both the Ski Area Operator and the Board. Those issues affecting the safety and integrity of the Tramway identified by the Certified Inspector shall be immediately addressed by the Ski Area Operator.

(4) Correction of Non-compliant Items.

(a) Corrective Actions. If the Certified Inspector's report identifies items found to be out of compliance with 526 CMR 10.00, then prior to the issuance of a License by the Board, the Ski Area Operator shall take all necessary actions to correct those items and bring the Tramway into full compliance with 526 CMR 10.00 prior to commencing operations. The Ski Area Operator must have all necessary Repairs and maintenance completed as recommended in the Certified Inspectors report and in accordance with the Manufacturer's Manual and 526 CMR 10.00 prior to commencing operation of the Tramway. The Ski Area Operator shall have all Repairs and maintenance recorded in the Maintenance Repair Log in accordance with 526 CMR 10.00.

(b) Prior to Operation (PTO) Affidavit. Prior to the issuance of a License, the Ski Area Operator must submit verification that the Tramway is in full compliance with 526 CMR 10.00 by filing a PTO Affidavit with the Board. The PTO Affidavit shall:

1. identify all items that remained out of compliance when the initial inspection report was completed, and
2. attest to the fact that the Ski Area Operator has fully inspected the Tramway in accordance with the requirements of 526 CMR 10.00 and the Manufacturer's Manual and that the Tramway is in full compliance with 526 CMR 10.00.

(5) Daily Preoperational Inspections by the Operator.

(a) Each day, prior to opening the Tramway to the public, the Tramway Operator shall perform a preoperational inspection, which shall include physical inspection of the Tramway and all daily inspection requirements and operating tasks set forth in the Manufacturer's Manual and 526 CMR 10.00. In accordance with 526 CMR 10.00, the Ski Area Owner shall correct any items of non-compliance documented during a preoperational inspection. The Operator shall not open the Tramway to the public until the Tramway is in full compliance with 526 CMR 10.00 and safe for operation.

(b) Daily preoperational inspections shall be documented by the Operator in the Daily Preoperational Inspection Log which shall be kept on location with the Tramway.

(c) All Tramway stoppages over 30 minutes occurring during daily operations shall be duly noted in the Daily Preoperational Inspection Log. This log shall contain the reason for the stoppage, duration of time the Tramway is shut down and any known mechanical, structural or other problem.

(6) Compliance Inspections.

(a) All Tramways and related equipment may be inspected by a State Inspector at any time deemed necessary by the Department Office to ensure that they are in compliance with 526 CMR 10.00.

(b) The State Inspector shall document any issues of concern and immediately notify the Ski Area Operator, ~~or his or her~~ the representative ~~thereof~~, of such concerns. The Ski Area Operator shall immediately address issues directly affecting the safety and integrity of the Tramway and related equipment, and correct all items of Non-compliance.

(c) Whenever the Department Office or its designee deems a condition in Tramway construction, operation or maintenance to be a threat to public safety, the ~~Department Office~~ may order the Ski Area Operator to immediately suspend operation of the Tramway until such time as the condition has been remedied. The ~~Department Office~~ reserves the right to exercise the provisions of 526 CMR 10.05(6)(c), notwithstanding any other provisions to the contrary.

(d) The Board shall convene as soon as possible following an immediate shutdown by the ~~Department Office~~.

(e) Unless otherwise authorized by the Board, the Tramway shall remain closed until all necessary repairs have been completed and the Tramway is in full compliance with 526 CMR 10.00.

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(f) Operation of the Tramway shall not be resumed until the Tramway has been re-inspected by the ~~Department~~Office, which shall report its findings to the Board, and found to be safe and has been approved for operation by the Board.

10.06 : Non-destructive Testing (NDT)

- (1) NDT Plan.
  - (a) A Ski Area Owner shall obtain all required non-destructive testing plans from the Manufacturer. The plan shall include the Non-destructive testing requirements and schedules. The NDT plan shall include provisions for the Non-destructive testing of all critical structural and mechanical components including grips, clips, hangers, chairs, and cabin and shall comply with ANSI.
  - (b) Where there is no Manufacturer to provide the required documents, the Ski Area Owner shall obtain a non-destructive testing plan prepared by a Registered Professional Engineer.
- (2) NDT Testing. The Ski Area Owner shall have Non-destructive Testing performed in accordance with the NDT plan.
- (3) NDT Report.
  - (a) All NDT testing shall be performed by a Level II or III certified NDT examiner.
  - (b) The certified NDT examiner performing the testing shall document their findings in a NDT Report, which shall be maintained by the Ski Area Owner for the life of the Tramway.
  - (c) The Ski Area Owner shall submit a NDT report to the Board with the License Application prior to the issuance of an annual License to operate the Tramway.

10.07 : Records

The Ski Area Operator shall maintain the following records and make them available to Certified Inspectors and State Inspectors upon request:

- (1) Manufacturer Manuals and Bulletins.
  - (a) All manuals and Manufacturer's bulletins shall be printed or prepared in English.
  - (b) The Ski Area Operator shall maintain copies of the Manufacturer's Manual, Manufacturer's Bulletins and Operating Manual for each Tramway for which a License is being sought on location with and readily available to Operators and Attendants. In the event that the Manufacturer's Manual is no longer available, then prior to operation of the Tramway, the Ski Area Operator shall obtain a written operating procedure prepared by a Registered Professional Engineer. The Ski Area Operator shall maintain copies of the written operating procedure and make them readily available to Operators, Attendants, Certified Inspectors and State Inspectors upon request.
  - (c) The Manufacturer may submit these documents on behalf of all applicants who own or operate a particular Tramway.
- (2) Maintenance Repair Log. The Owner shall keep a Maintenance Repair Log in accordance with 526 CMR 10.00 for the life of each Tramway.
- (3) Daily Preoperational Inspection Log. The Ski Area Operator shall keep Daily Preoperational Inspection Logs in accordance with 526 CMR 10.05(5) for each Tramway, and keep those logs for a period of one year from the date of any inspection.
- (4) Employee Training Documentation. The Ski Area Operator shall keep Employee Training Documentation in accordance with 526 CMR 10.09(2)(e) for each Operator and Attendant for a period of one year following termination of employment.

10.08 : Rider Responsibility

- (1) There are inherent risks in riding Tramways. Riders accept the risks inherent in such participation of which the ordinary prudent person is or should be aware. No Rider shall embark or disembark upon a Tramway except at a designated locations and during designated hours of operation, throw or expel any object from any Tramway while riding thereon, act in any manner while riding on a Tramway that may interfere with its proper or safe operation, engage in any type of conduct which may injure any person, or place any object in the uphill ski track which may cause another to fall while traveling uphill on a Tramway, or cross the uphill track of a Tramway except at designated locations.
- (2) A Rider who boards a Tramway shall be presumed to have sufficient abilities to use the same and shall follow any written or oral instruction given regarding its use and no Rider shall embark on a Tramway without authority of the Operator.
- (3) Riders shall:
  - (a) exercise good judgment and act in a responsible manner while using any Tramway.
  - (b) obey all instructional and warning signs posted on the Tramway.
  - (c) not place themselves on any Tramway when under the influence of drugs and/or alcohol.
  - (d) use all Tramway safety devices provided to ensure their safety. No person shall bypass, remove or make any safety device inoperable.

10.09 : Ski Area Operator Responsibility

- (1) Operation and Maintenance.
  - (a) The Ski Area Operator shall not install, operate or allow to be operated any Tramway that does not have a valid License pursuant to 526 CMR 10.00.
  - (b) The Ski Area Operator shall maintain Tramways in conformance with the Manufacturer's Specifications and in accordance with 526 CMR 10.00.
  - (c) The Ski Area Operator shall complete regular Repair and maintenance work on Tramways as required by the Manufacturer's Manual, Manufacturer's Bulletins, and 526 CMR 10.00, and shall have all maintenance and Repair work including replacement of any parts or components of the Tramway documented by a Maintenance Mechanic in the Maintenance Repair Log.
  - (d) The Ski Area Operator shall ensure that the number of Operators and Attendants necessary to safely operate the Tramway, as specified in the Manufacturer's Manual and the Operating Manual are on site and in the correct location(s).
- (2) Operator and Attendant Requirements and Training.
  - (a) Operators shall be at least 18 years of age.
  - (b) Attendants shall be at least 16 years of age.
  - (c) Operator and Attendant duties shall include:
    1. maintaining orderly passenger traffic conditions within ~~his or her~~their area of jurisdiction;
    2. advising and assisting Riders as required;
    3. loading Riders on and unloading Riders from Tramways while maintaining surveillance of his or her area of jurisdiction; ~~and,~~
    4. advising the supervisor of all conditions and occurrences that may adversely affect the safety of operation.
  - (d) In addition to the duties listed in 526 CMR 10.09(2)(c), Operators duties shall include
    1. assuming responsible charge of a Tramway;
    2. assigning and supervising all Attendants at the Tramway; and
    3. maintaining the Pre-Operational Log as required by 526 CMR.
  - (e) Training. The Ski Area Operator shall ensure that all Operators and Attendants are trained to operate the Tramway and perform their duties based on the Manufacturer's Requirements, Operational Manual and Manufacturer Bulletins, safety alerts or other notices related to operational requirements. The Ski Area Operator shall ensure that:
    1. All Operators and Attendants are trained in the operational and emergency procedures pertaining to the Operator or Attendant's assignment. This training shall include instruction for observation of any potentially dangerous operational or mechanical developments within the Operator or Attendant's view.

10.09: continued

2. Operators and Attendants shall be properly trained before being assigned the duties of operating or attending to a Tramway. The Ski Area Operator shall maintain Employee Training Documentation signed by each Operator and Attendant to verify the completion of training.
  3. Operators and Attendants shall have access to a copy of the Operating Manual and shall have the ability to read and understand it so as to safely operate and communicate safe riding policies to Riders.
  4. Operators and Attendants shall be trained to be aware of the motions and sounds attributed to the normal operation of the Tramway. Operators and Attendants shall be familiar with how the Tramway looks when it is functioning normally, and be alert to any unusual conditions. If there are any changes in the normal operating condition, operation shall cease and the Ski Area Operator shall be notified immediately. The Ski Area Operator will decide the appropriate action to be taken.
  5. Operators and Attendants shall know the whereabouts of all Safety Equipment which shall be maintained at appropriate locations on site.
  6. An amended list of Operators and Attendants trained subsequent to the License Application shall be maintained by the Ski Area Operator.
- (f) Restrictions. No Operator or Attendant while under the influence of drugs and/or alcohol shall operate any Tramway, nor load or unload a Rider.
- (3) Proximity to Overhead High Voltage Lines. The Ski Area Operator shall ensure that Tramways are located so that they do not come in close proximity to overhead high voltage lines, which could result in electrocution or Tramway damage.
- (4) Protection Against Moving Parts or Other Hazards and Clearance Envelopes.
- (a) The Ski Area Operator shall be aware of any construction equipment or vehicles operating in the immediate vicinity. The Ski Area Operator shall remove any equipment encroaching on the normal range of motion of the Tramway to a safe distance.
  - (b) The Ski Area Operator shall not allow a Tramway to be used or operated while any person is so located as to be endangered by it. The Ski Area Operator shall fence, barricade, or otherwise guard the Tramway against public intrusion in areas where persons may be endangered.
  - (c) Where a public access, queuing, loading or unloading area is under the Tramway, the Ski Area Operator shall provide overhead protection from objects that might reasonably be expected to fall from a ride (for example, items carried or worn by Riders) unless otherwise allowed by the Board.
  - (d) The Ski Area Operator shall enclose, barricade, or otherwise effectively guard machinery used in or with a Tramway against contact. The Ski Area Operator shall replace guards removed for maintenance purposes before normal operation is resumed.
  - (e) The Ski Area Operator shall ensure that each Tramway is rendered inoperable when not attended or in use.
  - (f) The Ski Area Operator shall maintain clearance envelopes per Manufacturer's Specifications at all times during the operation of a Tramway.
  - (g) The Ski Area Operator shall secure decorations including but not limited to flags, or lighting fixtures in a fashion where they will not create a hazard to Riders or members of the public in the event of high winds or normal vibration caused by moving equipment and shall place such decorations far enough from the Tramway so as not to encroach on the clearance envelope.
- (5) Wind and Storm Hazards.
- (a) The Ski Area Operator shall ensure that ~~Tramway~~ Operators are aware of dangerous weather conditions including, but not limited to, wind, rain, lightning and any approaching storm.
  - (b) The Ski Area Operator shall not allow a Tramway which is exposed to wind or storm to be operated under dangerous weather conditions except to unload Riders.
  - (c) The Ski Area Operator shall follow Manufacturer wind and weather-related restrictions during periods of wind or storm. The restrictions shall be addressed in the Operator's Manual, which shall be on site at all times.

10.09: continued

- (6) Lighting.
  - (a) The Ski Area Operator shall ensure that when Tramways are in operation or are occupied, including during ingress access and egress, ~~are in operation or occupied~~, they shall have illumination by natural or artificial means sufficient to guard against injuries to the Riders.
  - (b) The Ski Area Operator shall provide proper guarding to all florescent lighting to prevent shattering of glass on Riders.
- (7) Chair Safety. (All Aerial Lifts). Each chair shall be equipped with a railing at each side, to a height of not less than four inches (10cm) above the seat for a distance of not less than 12 inches (30cm) from the back of the seat, and shall be equipped with a restraining device which will not open under forward pressure.
- (8) Transfer of Ownership. Upon the transfer of ownership of any Tramway, the Owner of the Tramway being transferred shall notify the Board in writing of the transfer, and shall transfer all Records pertaining to that Tramway to the new owner. The new owner shall obtain a new License prior to operating the Tramway.

10.10 : Reportable Tramway Incidents; Immediate Shutdown

- (1) All tramway incidents involving a Serious Injury shall be immediately reported to the Board through the Department Incident Hotline. A Tramway Incident Report shall be sent to the Board for all Reportable Tramway Incidents postmarked within four days of such incident.
- (2) Serious Injury.
  - (a) When a Serious Injury results from a possible malfunction of a Tramway, the Ski Area Operator shall immediately stop operation of the Tramway and notify the Board. No part of the Tramway or the surrounding area shall be removed or disturbed before written permission has been given by the Board or its designee, except to the extent that such action is necessary to avoid further Serious Injury.
  - (b) An investigation of the incident shall precede any authorization to resume public operation of the Tramway. The report of investigation shall include a factual account of the incident, the nature and extent of injuries to persons, damage to the Tramway, any witness statements, any other pertinent details, and recommendations for remedial measures to be taken prior to resuming operation.
- (3) Immediate Shutdown.
  - (a) Whenever the Board or its designee deems a condition in Tramway construction, operation or maintenance to be a threat to public safety, it may order the Ski Area Operator to immediately suspend operation of the Tramway until such time as the condition has been remedied. The Board reserves the right to exercise the provisions in 526 CMR 10.10(3) notwithstanding any other provision to the contrary.
  - (b) Items which may warrant immediate Tramway shut down by the Board include:
    - 1. Failure of the safety system;
    - 2. Failure of the limit switch, derailment system or stop switch;
    - 3. Counterweight striking ground or tension carriage improperly positioned and improper functioning of the hydraulic/pneumatic system;
    - 4. Improper functioning brakes or back stops;
    - 5. Non-functioning Tramway communication system;
    - 6. The occurrence of a Serious Injury due to a defect or malfunction of the Tramway;
    - or
    - 7. Any other condition, which may affect safe operation of the Tramway.
- (4) Re-inspection Following Immediate Shutdown.
  - (a) The Tramway shall remain closed until all necessary repairs have been completed to the satisfaction of the Board.
  - (b) Operation of the Tramway shall not be resumed until the Tramway has been re-inspected by a certified inspector and found to be safe for operation by the Board.

10.11 : Revocations and Suspensions of Tramway License

- (I) A Ski Area Operator's ~~License may be~~ ~~may have his License~~ suspended or revoked after a hearing for ~~any one or more of the following~~:
- (a) Failure to properly maintain Records as required by 526 CMR 10.00;
  - (b) Failure to Repair any Tramway as ordered or noted by a Certified Inspector or State Inspector;
  - (c) Negligence of the owner, Operator or Maintenance Mechanic in connection with the maintenance, Repair or operation of a Tramway;
  - (d) Continuing to operate a Tramway without the ~~Department~~Office's authorization when an incident or accident occurs that is required to be reported pursuant to 526 CMR 10.10 or after an immediate shutdown has been ordered pursuant to 526 CMR 10.10;
  - (e) Failure to notify the Board of any incident or accident as required by 526 CMR 10.10;
  - (f) Modifying a Tramway without approval by the Board as required by 526 CMR 10.13;
  - (g) Operating in a manner likely to cause injury;
  - (h) The knowing submission of false, invalid, incorrect or fraudulent information related to the maintenance or design of the Tramway;
  - (i) Failure to maintain the required insurance; and
  - (j) Failure to comply within, the provisions of M.G.L. c. 143, § 71H or 526 CMR 10.00.
- (2) Any Ski Area Operator who has a License suspended or revoked shall not operate the affected Tramway or Tramways until the suspension period is over or such License and/or permit is restored by the Board through the regular application process.
- (3) Notice of Violations; Hearings and Appeals.
- (a) Notice of Violation. The Board shall send written notice of the alleged violation(s) to the Ski Area Operator by ~~email or certified mail and~~ first class mail.
  - (b) Hearings. All hearings shall be conducted by the Board or its designee in accordance with M.G.L. c. 30A and 801 CMR 1.02: *Informal/Fair Hearing Rules*.
  - (c) Appeal. Any person aggrieved by a determination of the Board or its designee may appeal to the Superior Court in accordance with M.G.L. c. 30A, § 14.

10.12 : Variance

(1) Application. If the Ski Area Operator or Manufacturer believes that full compliance with 526 CMR 10.00 is overly burdensome, either may apply to the Board for a variance from 526 CMR 10.00. The burden is on the applicant to demonstrate in writing to the Board that the granting of the variance would not compromise public safety or otherwise undermine the purpose of 526 CMR 10.00. Variance Applications shall be made on a form provided by the Board, shall contain such information as is required by the Board, and shall be signed by the applicant with an affirmation made under pains and penalties of perjury.

(2)

(1)(3)

(2)(4) Board Action. Upon receipt of a Variance Application, the Board, or its representative may:

- (a) Grant the Variance Application with any conditions deemed appropriate; or,
- (b) Deny the Variance Application without a hearing.

(3)(5) Appeals. Any person aggrieved by the Board's decision may file a request for an adjudicatory hearing with the Board within ten days of receipt of the decision. All adjudicatory hearings shall be held in accordance with the provisions of M.G.L. c. 30A and 801 CMR 1.02: *Informal/Fair Hearing Rules*. Any person aggrieved by a decision made subsequent a hearing may appeal to Superior Court pursuant to M.G.L. c. 30A, § 14.

10.13 : Design and Installation

- (1) Major Modification, Relocation, Construction, New Installation.
- (a) Three weeks prior to construction, Major Modification, installation or relocation of any Tramway, the Ski Area Operator must submit to the Board the following information for approval:
    1. an application for its construction on forms prescribed by the Board.

2. a profile of the Tramway line approved by a Registered Professional Engineer, showing proximity to power lines, highways, or rivers; ~~and,~~
3. a set of specifications and plans approved by a Registered Professional Engineer, showing all footing details and designed sheave loads.



10.13 : continued

- (b) DIGSAFE. When any excavating is to be performed or ground rods are to be used, DIGSAFE shall be called and the DIGSAFE number shall be identified on the local building permit (use of premise permit).
- (c) Concrete Pouring.
1. Notice shall be given to the Board at least five business days before concrete is poured for tower and terminal foundations. Any change in an expected date or time of pouring shall be reported to the Board, as soon as it becomes known to a Ski Area Operator.
  2. Two sample cylinders of concrete from each truckload, or from each batch (if on site mixing is done) shall be tested to ascertain that the compression strength of the concrete meets the minimum requirements of the Tramway designer. The Ski Area Operator shall be responsible for having the testing done, and keeping a record of such testing for one year.
- (2) Reapplication for Licensure Subsequent to New Installation or Major Modification.
- (a) After new installation, Major Modification or relocation of a Tramway, the Ski Area Operator may not open the Tramway to the public until he has submitted an amended License Application on a form provided by the Board and received written authorization from the Board.
- (b) The amended License Application shall include:
1. One copy of the original License issued by the Board;
  2. fee;
  3. All supplemental safety bulletins, safety alerts, or notifications issued following the issuance of the original Permit;
  4. An inspection report from a Certified Inspector, which shall contain in addition to the requirements set forth in 526 CMR 10.05(3), the following information:
    - a. Profile of the Tramway line;
    - b. Plans detailing footing construction and sheave load;
    - c. Copy of approved wire rope specifications;
    - d. Certified wire rope test report;
    - e. Load test procedure; and
    - f. Any other specific requirements of the Board.
- (c) The differences between the information submitted in the original License Application and that provided with the amended License Application shall be clearly shown by the Ski Area Operator.

10.14 : Dynamic Testing

(1) All Tramways, with the exception of those devices specified in (c), (d), and (e) of the definition of Tramway at 526 CMR 10.01(2)

shall be dynamically tested every seven years. Of all the Tramways at an area, the oldest Tramway should be tested first followed by the testing of Tramways in chronological order according to the Tramways' Permit dates.

(1)(2) Ski Areas with multiple Tramways shall schedule the testing of the Tramways so as to reasonably balance the number of dynamic tests conducted at a Ski Area each year of the cycle.

(2)(3) A Ski Area Operator shall submit a proposed schedule of the years in which each Tramway will be tested to the Board for approval. The Certified Inspector shall determine the priority of the Tramway or Tramways to be inspected at a Ski Area. On an annual basis, a Ski Area Operator shall submit to the Board an updated report indicating the dynamic testing completed during the previous year.

(3)(4) Each Ski Area Operator shall provide the staff necessary to conduct the test.

(4)(5) A written procedure for each Tramway shall be prepared by the Manufacturer reflecting the latest modification and shall be available for the test. In the event that the Manufacturer has not provided such a procedure, then a written procedure shall be prepared by a Registered Professional Engineer. The written procedure shall be submitted to the Board with a request for a specific date of inspection.



~~(5)~~(6) \_\_\_\_\_ For the purposes of 526 CMR 10.14(5), the written procedure shall meet the criteria for dynamic testing as set forth in ANSI and 526 CMR 10.00.

10.14: continued

~~(6)~~(7) The dynamic test shall include:

- (a) Testing for proper functioning of all electrical safety switches where applicable, including but not limited to:
1. Line tower and lift terminal deropement switches;
  2. Manual stop, start and slow switches;
  3. Tension system limit switches for mechanical travel and for pressure limits;
  4. Collision control switches and systems;
  5. Brake monitoring switches;
  6. Over-speed devices;
  7. Field loss and phase loss detection, as appropriate;
  8. Brake trip switches; and,
  9. Speed control circuit loss detectors.
- (b) A suitable load test to verify that the following devices are functioning properly for all loading conditions, such as uphill, downhill and simultaneous uphill and downhill loading:
1. Prime motor system;
  2. Auxiliary drive system;
  3. Evacuation drive system; and,
  4. All braking systems in each mode of design operation.

~~(7)~~(8) The Ski Area Operator shall complete Dynamic Testing in accordance with 526 CMR 10.00 and shall maintain a Dynamic Testing Log for the life of the Tramway and make that Log available to Certified Inspectors and State Inspectors upon request.

10.15 : Revisions and Additions to ANSI B77.1-2012

Add the Following to Section 1.2.4.1 at the End of the Second Paragraph: except for Annex F 1.1 and F 1.2.

#### 10.16: Signs

(1) General. 526 CMR 10.16 was promulgated under the authority of M.G.L. c. 143, § 71J. All signs governed by 526 CMR 10.16 shall be signage commonly used in the ski industry, unless specifically indicated otherwise. The coloring used in all signs described in 526 CMR 10.16 shall be clear, contrasting, and well defined. Additionally, all signs shall be maintained so as to be readable and recognizable under conditions of ordinary visibility.

1. High visibility caution signage shall be posted at unattended lift stations and include the following (or other Board approved) language: "Warning – Lift may start or stop without warning. Remain clear. Severe injury may result" or "Warning – Lift may start or stop anytime causing severe injury or death."

~~10.16~~

#### (2) Downhill (Alpine) Signs.

(a) Difficulty. The level of difficulty of each trail or slope at a ski area shall be identified by placement of the appropriate sign as indicated in 526 CMR 10.16(2)(a)l. through 4. The sign shall be placed in a prominent position at the top or start of each trail. Difficulty ratings shall be determined upon consideration of such factors as a trail's slope gradient and relative difficulty compared to other trails at the ski area. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of 526 CMR 10.16(2)(a).

Depending upon the degree of difficulty of the trail or slope, the signs shall be marked as follows:

1. Easiest- signs shall consist of a green circle on a white background with the word EASIEST below the circle.
2. More difficult - signs shall consist of a blue square on a white background with the words MORE DIFFICULT below the square.
3. Most difficult- signs shall consist of a black diamond on a white background with the word MOST DIFFICULT below the diamond.
4. Expert- signs shall consist of two adjacent black diamonds on a white background with the word EXPERT below the diamonds.

#### (b) Caution.

1. Caution signs High visibility caution signage and/or horizontally or diagonally striped orange and black poles shall be posted when and where necessary to adequately alert

skiers of known hazards of any slope or trail and shall be posted an adequate distance uphill to alert skiers of any snow grooming or snowmaking operation. Such signage shall be of the type that meets or exceeds that commonly used and accepted per industry best practices. type commonly used in the ski industry, shall be designed for high visibility, and shall be commercially reasonable. The provisions of 526 CMR 10.16(2)(b) shall ~~not~~ be construed to be so as to erode consistent with the skier the Rider responsibilities and ski area Operators' protection provided in M.G.L. c. 143, § ~~710~~710.

10.16: continued

~~II. A caution sign shall consist of an orange triangle on a white background with an exclamation point on a yellow background within the triangle. The word CAUTION shall appear below the triangle.~~

~~3. A caution sign shall be used in conjunction with trail grooming. The sign shall have fastened to the bottom a three inch by eight inch white sign with printing in contrasting color of the words TRAIL GROOMING. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of 526 CMR 10.16(2)(b)3.~~

4. Caution signs shall be posted uphill of any snow grooming or snowmaking operation. The sign shall have an attachment measuring at least four inches by 14 inches affixed to the bottom with either the word SNOWGROOMING OR SNOWMAKING as appropriate. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of 526 CMR 10.16(2)(b)4.

(c) Trail Closed. A closed trail shall be marked by a sign consisting of a red octagon shape on white background with a black figure of a skier inside with a diagonal stripe passing through the skier. The word CLOSED shall appear below the octagon. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of 526 CMR 10.16(2)(c).

(d) Additional Signage Requirements. There shall be at least one sign in a prominent place within a ski area displaying each of the following:

I. A map showing all trails and their degree of difficulty.

II. An explanation and illustration of all signs and markers required by 526 CMR 10.16.

III. Notice to skiers as required by M.G.L. c. 143, § 71P stating the following:

No action shall be maintained against a ~~S~~ski ~~A~~area ~~O~~perator for injury to a skier unless as a condition precedent thereof the person so injured shall, within 90 days of the incident, give to such ~~S~~ski ~~A~~area ~~O~~perator notice, by registered mail, of the name and address of the person injured, the time, place and cause of the injury. Failure to give the foregoing notice shall bar recovery, unless the court finds under the circumstances of the particular case that such ~~S~~ski ~~A~~area ~~O~~perator had actual knowledge of said injury or had reasonable opportunity to learn of said injury within said 90-day period, or was otherwise not substantially prejudiced by reason of not having been given actual written notice of said injury within said period. In a case where lack of written notice, actual knowledge, or a reasonable opportunity to obtain knowledge of any injury within said 90-day period is alleged by such ~~s~~Ski ~~A~~area ~~O~~perator, the burden of proving substantial prejudice shall be on the operator.

(e) Hydrant Markers. Snowmaking hydrants located within or upon a slope or trail shall be marked ~~by horizontally or diagonally striped orange and black poles. Markers shall be made out of slalom poles or other suitable material. These markers shall at all times extend above the snow a minimum of five feet, with high visibility caution signage that meets or exceeds that commonly used and accepted per industry best practices~~

(f)

(3) Cross Country (Nordic) Signs.

(a) Difficulty. The level of difficulty of each trail or slope at a ski area shall be identified by placement of the appropriate sign ~~as indicated below~~. The ~~S~~signage shall be placed in a prominent position at the top or start of each trail. Difficulty ratings shall be determined upon consideration of such factors as a trail's slope gradient and relative difficulty compared to other trails at the ski area. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of this.

Depending upon the degree of difficulty of the trail or slope, the signs shall be marked as follows:

1. Easiest - signs shall consist of a green circle on a white background with a wavy stripe bisecting the green circle, and the word EASIEST below the circle.

2. More difficult - signs shall consist of a blue square on a white background with a pronounced white wavy stripe bisecting the square, and the words MORE DIFFICULT below the square.

3. Most difficult - signs shall consist of a black diamond on a white background with a white zigzag stripe bisecting the diamonds, and the word MOST DIFFICULT below the diamond.

(b) Trail Markers. ~~Cautionary~~ Trail markers shall be placed at appropriate intervals along each trail ~~and shall~~ and consist of a blue diamond a minimum size of four inches by four inches. ~~Signage commonly used in the ski industry that meets or exceeds these requirements that~~

commonly used and accepted per industry best practices, or signage that meets or exceeds that commonly used and accepted per industry best practices.  
~~(b) may be used in place of 526 CMR 10.16(3)(b).~~

10.16: continued

(c) Caution.

1. A High visibility caution sign (such as that including and/or horizontally or diagonally striped orange and black poles) shall be used where and when necessary to adequately alert skiers of any known hazards of any slope or trail at ski areas. Such signage shall meet or exceed that commonly used and accepted per industry best practices. The provisions of 526 CMR 10.16(3)(c) shall not be construed so as to erode the skier responsibilities and ski are operators' protection provided in

M.G.L. c. 143, § ~~740~~71O.

2. A caution sign shall measure six inches by eight inches and consist of an orange or red triangle on a white or yellow background with an orange or red exclamation point on a yellow background within the triangle. The triangle shall be on a white or yellow background. The word CAUTION shall appear below the triangle. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of 526 CMR 10.16(3)(c)2

3. If used in conjunction with trail grooming, a caution sign shall have a three inch by eight inch white sign with the words TRAIL GROOMING printed in contrasting color fastened to the bottom.

(d) Trail Closed. A closed trail shall be clearly marked by a six inches by eight inches sign with a red octagonal shape on a white background with a black figure of a skier inside the octagon and a diagonal stripe passing through the skier. The word CLOSED shall appear below the octagon. Signage commonly used in the ski industry that meets or exceeds these requirements may be used in place of 526 CMR 10.16(3)(d).

(e) Additional Signage Requirements. There shall be at least one sign in a prominent place within a ski area displaying each of the following:

1. A map showing all trails and their degree of difficulty.
2. An explanation and illustration of all signs and markers required by 526 CMR 10.16.
3. Notice to skiers as required by M.L. c.143, § 71P stating the following:

No action shall be maintained against a ~~S~~ski ~~A~~area ~~O~~perator for injury to a skier unless as a condition precedent thereof the person so injured shall, within 90 days of the incident, give to such Ski Area Operator ~~ski-area-operator~~ notice, by registered mail, of the name and address of the person injured, the time, place and cause of the injury. Failure to give the foregoing notice shall bar recovery, unless the court finds under the circumstances of the particular case that such Ski Area Operator ~~ski-area-operator~~ had actual knowledge of said injury or had reasonable opportunity to learn of said injury within said 90-day period, or was otherwise not substantially prejudiced by reason of not having been given actual written notice of said injury within said period. In a case where lack of written notice, actual knowledge, or a reasonable opportunity to obtain knowledge of any injury within said 90-day period is alleged by such Ski Area Operators ~~ski-area-operator~~, the burden of proving substantial prejudice shall be on the operator.

(4) Aerial Lift Loading Signs. A sign shall be placed within a reasonable distance of the loading zone instructing ~~R~~iders to lower the chair's safety bar (or passenger restraint device).

## REGULATORY AUTHORITY

526 CMR 10.00: M.G.L. c. 143, § 71J.

NON-TEXT PAGE