



SAFETY ORDER

No: SO-P4 110531 1

PASSENGER ROPEWAY FOOT PASSENGER LOADING AREAS

Date of Issue: May 31, 2011

This safety order is issued pursuant to section 31 of the Safety Standards Act. A person affected by this safety order may appeal this order in writing to the Safety Standards Appeal Board within 30 days. The appeal process is set out on the Safety Standards Appeal Board's website at <http://www.housing.gov.bc.ca/ssab/>.

Failure to comply with a safety order is an offence under section 72 of the Safety Standards Act.

Part 1: Details of Regulated Work or Regulated Product

This safety order is being issued in relation to (circle or highlight one):

Regulated Work – General	Regulated Products – General
Regulated Work – Specific Class	Regulated Product – Specific Class
Specific Regulated Work	Specific Regulated Product

This safety order applies to **above surface chairlift type passenger ropeways**.

On August 5, 2010 a mis-load incident at the downhill loading station of detachable chairlift resulted in a fatality. The investigation has determined that the victim lost their balance while loading and fell near the end of the loading ramp. This resulted in the passenger's upper body striking a rocky surface approximately 20" below the end of the loading ramp and caused injuries resulting in the death of the 75 year old passenger. A similar incident also occurred prior to this on another passenger ropeway installation that did not result in a fatality but the passenger did receive serious long term injuries. The investigation of both of these incidents determined that the loading areas were setup as per the requirements of CAN/CSA Z98-07. However, it has been determined by the Provincial Safety Manager that at loading and unloading areas where it is not practical to install a safety net due to the height of the end of the ramp the standard (Z98-07 Clause 6.7.1) is not providing for adequate safety in these instances.

Part 2: Requirement(s) of this safety order

All passenger ropeway contractors are to review all loading and unloading ramps on above surface ropeways for hazards such as falls from height or falls where the passengers or operations staff may land on hard surfaces that may result in a similar incident. The following actions must be taken as a result of the review:

1. Any hazards identified where a fall of 3.05 meters (10 Feet) or higher immediately after the loading/unloading ramp could occur a catch net must be installed as per requirements of CAN/CSA Z98-07 clause 6.7.1.
 - a. Any structure installed to support the installation of a safety net must be adequately protected to protect passengers or staff from striking the supporting structure in the event of a fall. Passenger ropeway contractors are reminded that since this type of fall protection system is also intended to protect staff members in the event of a fall that the



supporting structure must be certified by a professional engineer licensed in British Columbia (see part 11.8 D of OHS Regulation).

2. Any hazards identified where a passenger or staff member may be subject to impact on a hard surface immediately after the loading/unloading ramp that could result in serious injury, and the height of the end of the ramp is less than 3.05 Meters (10 Feet) and it is not practical to install a safety net, the surface below must have appropriate secured protection in place. An example of this would be a crash pad secured in place or a soft surface such as grass or other soft landscaping material.

Passenger ropeway contractors are required to conduct this review and take appropriate action as described above prior to operations for foot passenger traffic on above surface chairlift passenger ropeways for the 2011 summer operating season. If the passenger ropeways the contractor is responsible for are already in operation for foot passengers then this safety order must be complied with immediately. Consideration must be given as to whether or not the actions taken are required to be in place for winter operation as well. Please contact your Safety Officer if you require further clarification on the intent of this safety order.

The attached safety order response form must be submitted to the Provincial Safety Manager to confirm compliance with the safety order as per the above requirements. The passenger ropeway contractor must identify what installations have been reviewed and what actions were taken (please indicate no action required if none are taken). Response forms must be submitted prior to operation or no later than June 5, 2011 if already in operation.

Part 3: Details of Issue (if applicable)

This safety order is being issued to the following:

All passenger ropeway contractors who operate above surface chairlift type passenger ropeways in British Columbia.

Part 4: Details of Ordering Safety Manager or Safety Officer – Please read following page

I certify that I am authorized to issue this safety order in accordance with section 15 (d) of the Safety Standards Act or that I have been delegated this power under section 15 (g) of the Safety Standards Act.



Jason Gill
Provincial Safety Manager – Passenger Ropeways
and Amusement Devices

Date: May 31, 2011

SO-P4 110531 1

Page 2 of 4

505 SIXTH STREET, SUITE 200, NEW WESTMINSTER, BRITISH COLUMBIA, CANADA V3L 0E1
Toll Free: 1-866-566-7233 Fax: 778-396-2064 Web Site: www.safetyauthority.ca E-mail: info@safetyauthority.ca



Safety Standards Act:

Safety Orders

- 31
- (1) To prevent, avoid or reduce risk of personal injury or damage to property, a provincial safety manager may, in writing, issue a safety order.
 - (2) A safety order may be issued to any person in relation to any of the following:
 - (a) regulated work or regulated products generally;
 - (b) a specific class of regulated product or regulated work;
 - (c) a specific regulated product or regulated work.
 - (3) For certainty, a safety order issued under this section may apply to
 - (a) regulated work that meets the requirements under this Act,
 - (b) regulated work that previously met the requirements under this Act or a former Act but does not meet the current requirements under this Act,
 - (c) regulated products that meet the requirements under this Act, or
 - (d) regulated products that previously met the requirements under this Act or a former Act but do not meet the current requirements under this Act, including a regulated product that bears a certification mark.
 - (4) A safety order may specify any requirement that is intended to prevent, avoid or reduce the risk of personal injury or damage to property and may include any of the following orders:
 - (a) that an existing regulated work or regulated product must be made safe in compliance with the safety order;
 - (b) that a regulated product must be
 - (i) disconnected from a power source,
 - (ii) uninstalled, or
 - (iii) modified before continued use;
 - (c) that a regulated product must be operated, installed, manufactured or disposed of only as specified or that a regulated product must not be moved;
 - (d) that current or future regulated work or a regulated product must conform to the terms or conditions of the order;
 - (e) that a person take or refrain from taking any action that a safety manager considers necessary to prevent, avoid or reduce a risk of personal injury to persons or damage to property;
 - (f) that the manufacturer make reasonable efforts to recall the regulated product.
 - (5) The provincial safety manager must give written notice of the safety order to the following persons:
 - (a) the manufacturer of the regulated product;
 - (b) an owner of the regulated product if the identity of the owner is known to the provincial safety manager;
 - (c) the person in charge of the regulated work.
 - (6) The notice must state the reasons for the decision and that the person has the right to appeal the decision to the appeal board.
 - (7) Despite section 54, a safety order may not be stayed during an appeal.

References:

Safety Standards Act

For more information on the British Columbia Safety Authority, please visit our website at:
www.safetyauthority.ca



SAFETY ORDER RESPONSE FORM

The information on this form is collected to administer the provisions of the *Safety Standards Act*. If you have questions about the collection, use or disclosure of this information, contact the Records, Information and Privacy Analyst at 1-866-566-SAFE(7233).

The company and/or designated representative in receipt of a safety order must fill out and submit this form to the British Columbia Safety Authority within the timeframe stipulated on the safety order.

Safety Order No:

Operating Company:

The following have been completed as required in the above safety order (List all Passenger Ropeway Names and Registration No.'s affected):

**Person signifying completion
of safety order requirement/s:**

(Please print name)

Position Title:

Signature:

Completion Date: Month / Day / Year

Return this form to:

Attention: Jason Gill
Provincial Safety Manager, Passenger Ropeways and Amusement Devices
505 - 6th Street, Suite 200, New Westminster, British Columbia, Canada V3L 0E1
Tel: 778.396.2047 Fax: 778.396.2035
Email: Jason.Gill@safetyauthority.ca