

# Annex D

## (normative)

### Signs

NOTE – There are signs in this normative reference that are informative and not required (see D.2).

#### D.1 Signs on Ropeways

See the sign subclause (2.3.1.2, 3.3.1.2, 4.3.1.2, 5.3.1.2, 6.3.1.2, 7.3.1.2) for operational warnings and postings.

##### D.1.1 Required Signs

All signs for instruction, information or prohibition of the public shall be bold in design with wording short, simple, and to the point. All such signs shall be prominently placed, and those pertaining to the ropeway operations shall be adequately lighted for night operation. Additional signs, deemed necessary by the owner, may be posted but should not detract attention from any required sign.

Table D-1 is a chart used to determine sign requirements on a ropeway. Signs are listed in the left column with location and related designs. Ropeway types are listed across the top by section number and other characteristics. Required signs for each ropeway type are indicated by a ⊗ marked in the column.

##### D.1.2 Designs

All required signs shall be produced in the colors and designs shown in the attached figures. Minimum letter heights are listed in Table D-1.

Representative signs are displayed in figures D-1 – D-25.

EXCEPTION – For ropeways used exclusively for foot passengers/non-snow operations, the colors shown in the attached figures may be deviated from provided contrast with background and adjacent elements do not adversely affect readability.

##### D.1.3 Sign groupings

Signs marked with a † or a # in Table D-1 may be grouped together in one location and may appear as one sign. The borders and indicated colors for individual signs are not required provided contrast with background and adjacent elements does not adversely affect readability.

Signs for inside cabins, Table D-1 (s) and (u) may be grouped together. The borders and indicated colors for individual signs are not required. Text and pictograms must be legible.

Signs marked with a \* in Table D-1, Sections 5, 6, and 7 shall be visible to users facing up and downhill while using recreational devices.

#### D.2 Informative Signs

Signs described in this section are informative and not required. Individual state requirements should be reviewed and included.

##### D.2.1 Passenger Notice

**THE AMERICAN NATIONAL STANDARD FOR PASSENGER ROPEWAYS** recognizes that certain dangers and risks are inherent in machines of this type, and their operation. It is also recognized that inherent and other risks or dangers exist for those who are in the process of loading, riding or unloading from lifts, tows or conveyors. Passengers accept the risks inherent in such participation of which the ordinary prudent person is or should be aware.

Passengers shall use good judgment and act in a responsible manner while using the ropeway, tow or conveyor, including:

- Participating in the loading, riding, and unloading processes in such a manner as to reduce risks for themselves and others;
- Obeying all written and oral instructions and warnings;
- Refraining from using the lift, tow or conveyor while under the influence of drugs or alcohol;
- Properly use the lift, tow or conveyor and equipment provided.

All passengers who use a lift, tow or conveyor shall be responsible for their own loading, riding, and unloading. They shall be presumed to have sufficient ability, physical dexterity, and/or personal assistance to negotiate and to be evacuated safely. Passengers shall maintain control of their speed and course while loading and unloading.

A passenger shall get on and get off at designated areas. No passenger shall load the lift without first understanding and observing the proper loading, riding, and unloading procedures.

Passengers, while riding a ropeway, tow or conveyor, shall not throw or expel there from any object, nor shall any passenger do any act or thing that shall interfere with the operation. Passengers shall not willfully engage in any type of conduct that may contribute to or cause injury to any other person.

Please read and observe all signs. Ask for instructions if needed.

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<b>Table D-1 Required Signs</b>					
	<b>Sign Wording</b>	<b>Function</b>	<b>Location</b>	<b>Sign Example</b>	<b>Minimum height of letters in/mm</b>
	<b>Required for lift type Sections marked ⊗</b> <b>Signs for wording shown in "italics" may be modified for local conditions.</b>	<b>These signs are intended to communicate specific information to ropeway users, in particular:</b>			
(a)	<i>Instructions and Warnings for use of the ropeway. May include the duties and obligations of the passenger as well as the "Responsibility Code" †</i>	how to embark, ride and disembark the specific ropeway.	At the waiting area, before the "Wait Here" sign.	D-1	3/4" – 20mm
(b)	"No Loose Scarves" "No Loose Clothing" "No Long Hair Exposed" †	concerning specific articles which are prohibited.	At the waiting area, before the "Wait Here" sign.	D-2	3/4" – 20mm
(c)	"Remove Ski Pole Straps from Wrists Until Unloaded" †	ski pole straps are to be removed while using ropeway.	At the waiting area, before the "Wait Here" sign.	D-3	3/4" – 20mm
(d)	"Check for Loose Clothing and Equipment" †	to check that they are not entangled.	At two locations: 1. At or before the "Wait Here" sign. † 2. Vicinity of "Prepare to Unload" sign.	D-4	3/4" – 20mm 2" – 50mm
(e)	"Loading Seat Height _____ ± 2 Inches" †	the seat height is within a specific height range for use by adaptive skiers.	In the vicinity of the instructions for the use of the ropeway sign.	D-9	3/4" – 20mm
(f)	"Wait Here"	to wait at this location for the appropriate time to proceed to loading platform.	At the point where passengers should wait for the carrier to pass before moving to the loading point. (See Exception <sup>2</sup> )	D-6	3/4" – 20mm
(g)	"Load Here"	to stand at this location to embark the ropeway.	At and/or on the load point of the loading platform. (See Exception <sup>2</sup> )	D-7	3/4" – 20mm
(h)	"Keep Tips Up"	that users are to keep ski/snowboard tips up.	Ahead of any point where skier users may come in contact with a platform or the snow surface.	D-12	2" – 50mm
(i)	"Prepare to Unload"	that they are approaching a disembarkation area and should be ready.	Ahead of the unloading area.	D-13	2" – 50mm
(j)	"Raise Restraint Device"	If applicable. Remind passengers to raise the bar just before unloading	Immediately before the unload area, or at the vicinity of the approach ramp. (See Exception <sup>3</sup> )	D-14	2" – 50mm
(k)	"Unload Here"	to disembark from the ropeway at this point.	On and/or over the unloading platform for foot passengers and at the breakover point for skiers. (See 3.1.1.9.2 and 4.1.1.9.2)	D-8	2" – 50mm
(l)	"Do Not Unload Here"	to prohibit unloading at this station, at this time.	Intermediate Station if not in use (See 4.1.1.9).	D-15	2" – 50mm
(m)	"Do Not Load Here"	to prohibit loading at this station, at this time.	Intermediate Station: if not in use (See 4.1.1.9).	D-16	3/4" – 20mm
(n)	"Stop Gate" or "Hit to Stop Lift"	that this device will stop the ropeway if a user strikes it.	If applicable, at the location of the stop gate device. (not applicable with electronic detection of user).	D-17, D-18, D-19	3/4" – 20mm
(o)	"No Downhill Loading" or "Downhill Capacity" if limited <sup>#</sup>	to prohibit downhill loading or state carrier loading parameters	If applicable, in the vicinity of the downhill platform area.	D-22 D-23	3/4" – 20mm
(p)	"Remain Standing"	to stay standing, not sitting.	At the loading area.	D-5	2" – 50mm
(q)	"Stay in Tow Path"	to remain within the tow path.	In at least one location adjacent to the track, beyond the loading area.	D-10	2" – 50mm
(r)	"Cross Surface Lift Here Proceed When Clear"	to designate crossing area(s)	At designated tow path crossings.	D-11	3/4" – 20mm
(s)	<i>The maximum capacity of each cabin in pounds and kilograms and the approximate number of passengers<sup>†</sup></i>	to signify the maximum weight that this cabin is allowed to carry.	At two locations: 1. in a location visible prior to boarding; 2. posted inside each cabin.	D-20	3/4" – 20mm 1/4" – 6mm
(t)	<i>The maximum rope speed during loading<sup>#</sup></i>	as required by 3.1.4.3.4.3	At terminal requiring speed reduction, visible to the operator/attendant.	D-21	5/8" – 15mm
(u)	<i>Instructions for procedures in emergencies<sup>†</sup></i>	to signify what to do in an emergency.	Prominently posted inside each cabin.	D-24	9/64" – 3.5mm
(v)	<i>A sign to exclude the entry of unauthorized persons</i>	to prohibit the entry of unauthorized persons.	At entrances to machine, operators and attendants rooms.	D-25	3/4" – 20mm

† # May be grouped together in one location as one sign.

\* Signs marked with this symbol in Sections 5, 6, and 7 shall be visible to passengers facing up and downhill while using recreational devices.

Ropeway Category and Usage												
	Sec. 2	Sec. 3 – Detachable Grip			Sec. 4 – Fixed Grip			Sec. 5		Sec. 6		Sec. 7
	Tramway	Chair Skier	Chair Foot Passenger	Gondola	Chair Skier	Chair Foot Passenger	Gondola	Surface Skier	Surface Recreational Device	Tow Skier	Tow Recreational Device	Conveyor
(a)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
(b)										⊗	⊗	⊗
(c)		⊗			⊗			⊗				
(d)		⊗	⊗		⊗	⊗		⊗				
(e)		⊗			⊗							
(f)		⊗ Exception <sup>2</sup>	⊗ Exception <sup>2</sup>	⊗	⊗ Exception <sup>2</sup>	⊗ Exception <sup>2</sup>	⊗	⊗	⊗			
(g)		⊗ Exception <sup>2</sup>	⊗ Exception <sup>2</sup>		⊗ Exception <sup>2</sup>	⊗ Exception <sup>2</sup>		⊗	⊗	⊗	⊗	⊗
(h)		⊗			⊗							
(i)		⊗	⊗		⊗	⊗		⊗	⊗*	⊗	⊗*	⊗*
(j)		⊗	⊗ Exception <sup>3</sup>		⊗	⊗ Exception <sup>3</sup>						
(k)		⊗	⊗		⊗	⊗		⊗	⊗*	⊗	⊗*	⊗*
(l)		⊗	⊗		⊗	⊗						
(m)		⊗	⊗		⊗	⊗						
(n)		⊗	⊗		⊗	⊗		⊗	⊗	⊗	⊗	⊗
(o)		⊗	⊗	⊗	⊗	⊗	⊗					
(p)												⊗
(q)								⊗	⊗*	⊗	⊗*	
(r)								⊗				
(s)	⊗			⊗			⊗					
(t)		⊗	⊗	⊗								
(u)	⊗			⊗			⊗					
(v)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

Exception<sup>2</sup> Not required for chairlifts using Loading Conveyors

Exception<sup>3</sup> Raise Restraint sign is not required if the chairlift is stopped for unloading, is raised automatically, or raised by the attendant



Fig. D-1



Fig. D-2



Fig. D-3



Fig. D-4



Fig. D-5

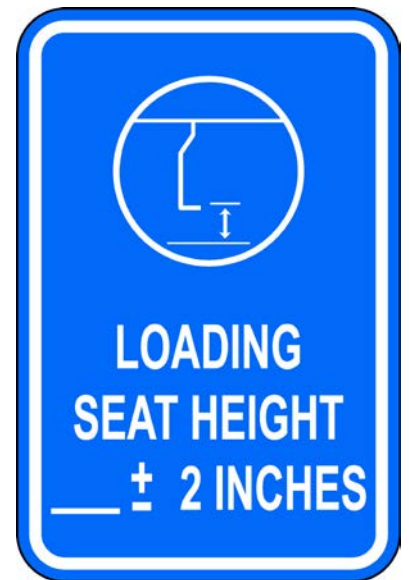


Fig. D-9



Fig. D-6



Fig. D-7



Fig. D-8



Fig. D-6



Fig. D-7



Fig. D-8



Fig. D-10



Fig. D-11



Fig. D-12



Fig. D-13



Fig. D-14



Fig. D-15



Fig. D-16



Fig. D-17



Fig. D-18



Fig. D-19



Fig. D-20

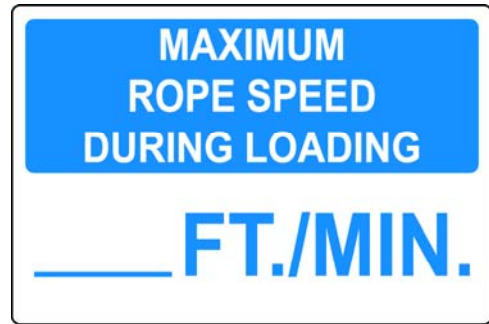


Fig. D-21



Fig. D-22



Fig. D-23



Fig. D-24



Fig. D-25