



Train Length Guidelines

2018



Carload Winter Operations

Bulk Train Length Guidelines

- Average train length during regular operating conditions is ~ 12,000 feet
- Extreme weather conditions result in train length restrictions
- More trains must be deployed to handle same volume
 - Additional locomotives and train crews are required
- These temporary train length restrictions ensure safe train operations

Train Type	Temperature Range	Conventional	Distributed Power
Bulk	Tier 1 -25 to -30C or -13 to -22F	2438 m / 8000 ft	11000 ft
	Tier 2 -30 to -35C or -22 to -31F	1830 m / 6000 ft	9000 ft
	Tier 3 Colder than -35C or -31F	1375 m / 4500 ft	7500 ft

NB: The published lengths are intended to be maximums. If shorter lengths are required to qualify the train air brake system for Air Flow and/or Gradient, then the shorter lengths shall prevail.





Carload Winter Operations

Manifest Train Length Guidelines

- Average train length during regular operating conditions is ~ 12,000 feet
- Extreme weather conditions result in train length restrictions
- More trains must be deployed to handle same volume
 - Additional locomotives and train crews are required
- These temporary train length restrictions ensure safe train operations

Train Type	Temperature Range	Conventional	Distributed Power
Manifest Tier 1	-25 to -30C or -13 to -22F	2438 m / 7000 ft	10000 ft
Tier 2	-30 to -35C or -22 to -31F	1830 m / 6000 ft	8500 ft
Tier 3	Colder than -35C or -31F	1375 m / 4500 ft	7000 ft * <i>Can operate 1x0x1</i>

NB: The published lengths are intended to be maximums. If shorter lengths are required to qualify the train air brake system for Air Flow and/or Gradient, then the shorter lengths shall prevail.





Intermodal Winter Operations

Intermodal Train Length Guidelines

- Average train length during regular operating conditions is ~ 12,000 feet
- Extreme weather conditions result in train length restrictions
- More trains must be deployed to handle same volume
 - Additional locomotives and train crews are required
- These temporary train length restrictions ensure safe train operations

Train Type	Temperature Range	Conventional	Distributed Power
Intermodal Tier 1	-25 to -30C or -13 to -22F	2438 m / 8000 ft	3660 m / 12000 ft
Tier 2	-30 to -35C or -22 to -31F	1830 m / 6000 ft	3050 m / 10000 ft
Tier 3	Colder than -35C or -31F	1375 m / 4500 ft	2600 m / 8500 ft

NB: The published lengths are intended to be maximums. If shorter lengths are required to qualify the train air brake system for Air Flow and/or Gradient, then the shorter lengths shall prevail.

