



SUBJECT: Updated Changes Affecting Wide Base Single Tires (WBST)

Managers, Victoria	Passenger Transportation Board	Commercial Transport Insp.
Regional CVSE Managers	Trucking Industry	(Inspection Stations)
Area Vehicle Inspectors	Carrier Safety Inspectors	ICBC
Deputy Director, CVSE	Government Agents	
ADM, Highways Department	Law Enforcement Agencies	

PURPOSE OF CIRCULAR

British Columbia is further amending its policies regarding the use of Wide Base Single Tires (WBST). Effective immediately to harmonize with other provinces, BC will allow increased weight allowances for Wide Base Single Tires that are **445 mm** or wider to receive full weight parity with dual tires, subject to:

1. Operation as described for 'super single tires' in section 7.25 of the Commercial Transport Regulations (CTR), but with weights amended as shown below to reflect the new allowance.

Super single tires

7.25 A person must not, without a permit, use super single tires, unless

- (a) the super single tires
 - (i) are used on a single, tandem or tridem axle group,
 - (ii) do not support, except on the steering axle, more than [4,450 kg] each, and
 - (iii) are on the last axle group, if the super single tires are used on a vehicle combination with a tandem or tridem axle group, and
- (b) subject to section 7.07 (1) (c), the axles on which the super single tires are installed
 - (i) have a minimum axle track width of 2.5 m,
 - (ii) do not have dual wheels or single tires installed on them, and
 - (iii) do not support more than [8,900 kg] each.

2. A maximum of **100 kg/cm tire width** is applicable to all tires.
3. Amended October 30, 2019: In the case of single and tandem drive axle groups, section 7.25(b)(i) CTR will not apply. Instead, axle track width for these drive axle groups will be governed by Appendix B of the Commercial Transport Regulations, allowing 2.4 to 2.6 m axle track width.

BACKGROUND

TRAN has allowed WBST, 445 mm or wider, as a replacement for dual tire configurations on commercial trucks (see Figure 1) since 2008, at a reduced legal axle weight allowance of 7,700 kg, compared to conventional dual tire legal axle weights of 9,100 kg for single axles.



Figure 1: Tire comparison (a) NGWBST and (b) Dual Tire Assembly

In June of 2018, BC increased the weight allowance for wide based single tires 445 mm or wider to full parity with dual tires. This latest amendment increases the weight allowance for wide based single tires 445 mm or wider to full parity. New maximum weights for wide based single tires in BC are:

Maximum Tire Loading	100 kg/cm		
Maximum Axle Loading	Dual Tires	445 mm WBST	455 mm WBST
Single Axle	9,100 kg	8,900 kg	9,100 kg
Tandem Axle (1.0 – 1.85 m)	17,000 kg	17,000 kg	17,000 kg
Tridem Axle (2.4 – 3.7 m)	24,000 kg	24,000 kg	24,000 kg

BC is making this change to further harmonization efforts across Canada. Improved fuel savings for commercial trucks with WBST relate directly to greenhouse gas reductions.

SUMMARY:

The increase in weight allowance assists the trucking industry in meeting their greenhouse gas requirements, by reducing the number of trips. Increased fuel economy for WBST also contributes to reductions in greenhouse gas emissions by 3.2%.

The Ministry will allow the new weights by general authority delegated to the Director CVSE in Section 7.02(1) of the Commercial Transport Regulations, pending the next update to the regulations, which will incorporate the increased weights. No permits are required.

For additional information or questions please contact Commercial.Transport@gov.bc.ca.

A handwritten signature in black ink, appearing to read 'C. Delisle', with a long horizontal flourish extending to the right.

Cole Delisle
A/Director, Commercial Vehicle Safety and Enforcement Branch
Ministry of Transportation and Infrastructure