Purpose

This Registry Procedure is incorporated by reference into O. Reg. 225/18 (*Tires*) made under the *Resource Recovery and Circular Economy Act, 2016*, referred to as the Tires Regulation after this. The Procedure establishes:

(a) the weight conversion factors to be applied for tire categories within a tire type to convert the number of tires within those categories to their weight equivalent, or vice-versa, and how to use the weight conversion factors; and

(b) the minimum weight of a large tire.

How to use this Registry Procedure

(a) Determining the "calculated weight" of tires

Where the Tires Regulation refers to the calculated weight of tires, either the actual weight of tires, or the corresponding weight of tires determined in accordance with this Registry Procedure, may be used.

Weight conversion factors established in Appendix A of this Registry Procedure may be used to convert units of tires to equivalent weights to determine the calculated weight and vice versa for the purposes of the Tires Regulation.

To determine the weight of tires using the weight conversion factors within a tire type:

A. For new tires:

1. Multiply the number of new tires for a tire category within a tire type by the corresponding weight conversion factor.
2. Sum up the weights for each tire category within a tire type to determine the total weight for that tire type, if applicable.

B. For used tires:

1. Multiply the number of used tires for a tire category within a tire type by the corresponding weight conversion factor, and then multiply the result by 0.85.
2. Sum up the weights for each tire category within a tire type to determine the total weight for that tire type, if applicable.

To determine the weight of tires of more than one tire type, sum up the weights for each tire type to determine the total weight of tires.

To determine the number of tires using the weight conversion factors within a tire type:

A. For new tires:

1. Divide the weight of new tires for a tire category within a tire type by the corresponding weight conversion factor.
2. Sum up the number of tires for each tire category within a tire type to determine the total number of new tires for that tire type, if applicable.

B. For used tires:

1. Divide the weight of used tires for a tire category within a tire type by the corresponding weight conversion factor, and then divide the result by 0.85.
2. Sum up the number of tires for each tire category within a tire type to determine the total number of used tires for that tire type, if applicable.

To determine the number of tires of more than one tire type, sum up the number of tires for each tire type to determine the total number of tires, if applicable.

(b) Minimum weight of a large tire

The Tires Regulation refers to this Registry Procedure to define large tires. The definition of a large tire is set out in Appendix B of this Registry Procedure.

Appendix A - Weight Conversion Factors

Tire Type (Tires Regulation)	Tire Category[1]	Tire Categories Description		Weight conversion factor (kg)
Passenger and Light Truck Tires	1	On-Road Passenger and Light Truck Tires		12.5
Medium Truck Tires	2	On-Road Medium Truck Tires		50
Off the Road Tires other than Large Off the Road Tires	3	Off the road Pneumatic Tires	1 to ≤ 15kg	10
	4	Off the road Pneumatic Tires	> 15 to ≤ 30kg	20
	5	Off the road Pneumatic Tires	> 30 to ≤ 70kg	50
	6	Off the road Pneumatic Tires	> 70 to ≤ 120kg	80
		Agricultural Tires[2] Pneumatic Tires	> 70 to ≤ 250kg	
	7	Off the road Pneumatic Tires	> 120 to ≤ 250kg	200
	8	Off the road Pneumatic Tires	> 250 to ≤ 375kg	310
		Agricultural Tires[3] Pneumatic Tires	> 250 to ≤ 700kg	
	9	Off the road Pneumatic Tires	> 375 to ≤ 700kg	600
Large Off the Road Tires	10	Off the road Pneumatic Tires	> 700 to ≤ 1200kg	930
	11	Off the road Pneumatic Tires	> 1200kg	2230
Off the Road Tires other than Large Off the Road Tires	12	Off the road Solid & Resilient Tires	1 to ≤ 30kg	20
	13	Off the road Solid & Resilient Tires	> 30 to ≤ 60kg	40
	14	Off the road Solid & Resilient Tires	> 60 to ≤ 250kg	100
	15	Off the road Solid & Resilient Tires	> 250 to ≤ 375kg	310
	16	Off the road Solid & Resilient Tires	> 375 to ≤ 700kg	600
Large Off the Road Tires	17	Off the road Solid & Resilient Tires	> 700 to ≤ 1200kg	930
	18	Off the road Solid & Resilient Tires	> 1200kg	2230

[1] Source: OTS Cost Recovery Plan, September 2012

[2] Defined as those tires listed as such in the Tire and Rim Association Inc. Annual Year Book Section 5 and which are used on Agricultural equipment excluding Industrial and Log-Skidder tires.

[3] Ibid

Explanatory notes

1. Passenger and Light Truck Tires include tires for use on:
   - passenger cars, light trucks, small recreational vehicles and multipurpose passenger vehicles, including sport utility vehicles and crossover utility vehicles
   - consumer or commercial light trucks, under 10,000 lbs/4500 kg Gross Vehicle Weight and which must comply with Motor Vehicle Tire Safety Regulation, and Technical Safety Bulletins 109 or 139
   - motorcycles, motorcycle sidecars, motor bikes, mopeds, mini-cycles, and golf carts, whether on or off highway.

2. Medium Truck Tires (also known as Commercial Truck Tires) include Truck and Bus tires, including Wide Base or Heavy Truck tires designed for truck and bus applications and larger recreational vehicles tires not marked "P or LT" and which are required to comply with Motor Vehicle Tire Safety Regulation, Technical Safety Bulletin 119.

Appendix B - Minimum Weight for Large Tires

A large tire is any off the road tire that weighs more than 700 kg.

February 20, 2018

REVISION DATE	REVISION
April 09, 2018	Add procedure to calculate weight or units of used tires