



## Information Required by Transport Canada to Authorize the Use of the National Safety Mark for Trailers

*Due to the high volume of applications, Transport Canada can only process applications that are complete and contain the information in the order listed in this document. Incomplete or randomly submitted documents will be returned.*

**Please check the box or boxes applicable to the types of trailers that your company intends on manufacturing and respond to the corresponding questions.**

- All types of trailers** (Please answer questions 1 through 3)
- Snowmobile trailers** (If checked, please answer question 4)
- Trailers with a GVWR of 4536 kg (10 000 lbs) or more.** (If checked, please answer question 5)
- Any trailer with no permanent sides or roof, such as a flatbed or heavy hauler trailer with a GVWR of 10 000 kg (22 000 lbs) or more.** (If checked, please answer question 6)
- Air-braked trailers** (If checked, please answer question 7)

1. Submit a complete and signed “Request Form to Obtain Authorization to Affix the National Safety Mark” (NSM) and “Application For Assignment of a World Manufacturer Identifier (WMI) Code”.  
Note: Do not forget to provide the Federal or Provincial registration certificate and the GST number of your company.

2. Submit an actual sample or a photocopy of a completed compliance label. (Note compliance label differences for RV trailers). A blank sample of a compliance label is attached or it can be viewed within the “Trailer Information Guide” located on the Transport Canada website [www.tc.gc.ca](http://www.tc.gc.ca) . Please refer to section 6 – 7 of the Motor Vehicle Safety Regulations for further details.

2.1 Vehicle Placard - Effective September 1, 2009 - Submit an actual sample or a photocopy of a completed vehicle placard, (tire label). A blank sample of a tire label is attached or it can be viewed within the “Trailer Information Guide” located on the Transport Canada website [www.tc.gc.ca](http://www.tc.gc.ca). Please refer to section CMVSS 110 and CMVSS 120 for further details.

3. In the following list please check off **all** of the different configurations of trailers that your company manufactures and submit photographs showing a front, side and rear view of **every** type. Please note that these photographs must be sufficiently clear and detailed to enable an inspector to evaluate the compliance of the trailer with Technical Standard Document (TSD) 108 - Lighting System and Retroreflective Devices.

Note: Please provide the SAE or DOT code markings that may be shown on the lens of the lamps and reflex reflectors installed on the vehicles. (E.g.: side rear marker lamps – SAE or DOT P2)

### AIR BRAKE TRAILERS

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Auto Transporter Trailer | <input type="checkbox"/> Heavy Hauler Trailer                            | <input type="checkbox"/> Trailer converter dolly |
| <input type="checkbox"/> Boat Trailer             | <input type="checkbox"/> Incomplete Trailer                              | <input type="checkbox"/> Semi- Trailer           |
| <input type="checkbox"/> Cargo Trailer            | <input type="checkbox"/> Load Divider Trailer                            | <input type="checkbox"/> Tank Trailer            |
| <input type="checkbox"/> C-Dolly Trailer          | <input type="checkbox"/> Portable equipment, construction /other Trailer | <input type="checkbox"/> Pole Trailer            |
| <input type="checkbox"/> Final Stage Trailer      | <input type="checkbox"/> Pulpwood Trailer                                | <input type="checkbox"/> Full Trailer            |
| <input type="checkbox"/> Flat Deck Trailer        |  | <input type="checkbox"/> RV Trailer              |



### NON AIR BRAKE TRAILERS

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Boat Trailer        | <input type="checkbox"/> Heavy Hauler Trailer | <input type="checkbox"/> Portable equipment,<br>construction /other Trailer |
| <input type="checkbox"/> Cable reel Trailer  | <input type="checkbox"/> Horse/Stock Trailer  | <input type="checkbox"/> RV Trailer   |
| <input type="checkbox"/> Car Dolly Trailer   | <input type="checkbox"/> Incomplete Trailer   | <input type="checkbox"/> Semi- Trailer                                      |
| <input type="checkbox"/> Cargo Trailer       | <input type="checkbox"/> Motorcycle Trailer   | <input type="checkbox"/> Snowmobile Trailer                                 |
| <input type="checkbox"/> Final Stage Trailer | <input type="checkbox"/> Pole Trailer         |   |
| <input type="checkbox"/> Flat Deck Trailer   | <input type="checkbox"/> Utility Trailer      |   |

4. Submit a test report for Canada Motor Vehicle Safety Standard (CMVSS) 906 – Snowmobile Trailer. You must provide evidence that the tie-down can withstand a force of greater than 500 lbs in any direction. Please refer to CMVSS 906 for further details. Subject to subsection (2) of Canada Motor Vehicle Safety Standard (CMVSS) 223 – “Rear Impact Guards”, submit the following evidence:
  - 5.1 That the rear impact guard complies with CMVSS 223 and that the guard has been tested and complies with Test Method (TM) 223.
  - 5.2 Also, include an engineering drawing demonstrating that the rear impact guard meets the configuration requirements as per subsections (5), (6), (7) and (8) of CMVSS 223.
6. Submit a test report for Canada Motor Vehicle Safety Standard (CMVSS) 905 – Trailer Cargo Anchoring Devices. The test report must include the following:
  - 6.1. Your calculation, for the formula  $N=M / 2000 \text{ KG}$ , that indicates the number of anchor points for each of the different models of trailers that your company intends to manufacture.

N = is the minimum number of cargo anchoring devices, rounded up to the next even whole number;  
and  
M = is the cargo carrying capacity of the trailer, calculated as the difference between its gross vehicle weight rating and its curb mass, expressed in kilograms
  - 6.2. Evidence of calibration for the load cell used to measure the vertical force applied to the anchor point.
  - 6.3. Evidence that the vertical load of 67,000 N or (15,056 lbs) was reached within two minutes of commencing the application of the force. (Please be reminded to test above the minimum required load.)
  - 6.4. Evidence that the vertical load was maintained at 67,000 N or (15,056 lbs) for 15 seconds. (Please be reminded to test above the minimum required load.)
7. Submit the following information to demonstrate compliance with Technical Standard Document (TSD) 121- “Air Braked Systems”:



- 7.1. Evidence that your trailer production meets the minimum ABS requirements, as required by section S5.2.3.1 of TSD 121 – Air Braked Systems.
- 7.2. Please supply evidence that the ABS valve, as installed on your air-braked trailers, has in cab warning capability, as required by section S5.2.3.2 of TSD 121.
- 7.3. As per section 5.3.3 and 5.3.4 of *TSD 121 – Air Braked Systems*, please supply a timing test for the various models of air-braked trailers that your company intends to manufacture. Also, each timing test must include an engineering drawing, which indicates the following: the air hose placement, air hose length, valve type and valve location.
- 7.4. As per section 5.6 of *TSD 121 – Air Braked Systems*, please supply a complete parking brake test report for the air-brake system that you intend to install on your trailer production. Remember, the compliance label that you submit must be based on the test report i.e. same number of axles and same GVWR..



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### REQUEST FORM TO OBTAIN AUTHORIZATION TO AFFIX THE NATIONAL SAFETY MARK

Please return completed form to:  
Director, Road Safety and Motor Vehicle Regulation, Transport Canada  
275 Slater Street, 17th floor, Ottawa, Ontario K1A 0N5

Date (yyyy-mm-dd)

This company, \_\_\_\_\_ is seeking ministerial authorization to affix the National Safety Mark (NSM) to vehicles it manufactures.

#### The physical address where NSM will be affixed (Note: Physical address required):

Street	City	Province	Postal code
Telephone number (include area code)	Fax number (include area code)	Website	

#### Mailing address (if different from physical):

Street	City	Province	Postal code
Telephone number (include area code)	Fax number (include area code)	E-mail	

Please list additional address(es) where WMI will be affixed on a separate page:

List attached  
 Yes If yes, indicate number of pages \_\_\_\_\_  No

Also, provide with this application:

- A copy of the company's federal or provincial business registration certificate.  
Note: The registered name must match the name of the company listed on this application.
- Also provide a copy of the company's GST number.

Company manufactures the following class(es) of vehicle(s) as listed under Schedule III of the Motor Vehicle Safety Regulations and the estimated annual quantity is as follows:

Class(es) of vehicle(s)	
Annual production	Area of distribution (list of province(s))

#### The name of the person in the company responsible for vehicle compliance:

Name (please print)	Title (please print)		
Telephone number (include area code)	Fax number (include area code)	e-mail	
Signature			Date (yyyy-mm-dd)

It is imperative that the contact person listed above be aware of the applicable Motor Vehicle Safety Regulations and Canada Motor Vehicle Safety Standards (CMVSS) as prescribed by the *Motor Vehicle Safety Act*.



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**APPLICATION FOR ASSIGNMENT OF A  
WORLD MANUFACTURER IDENTIFIER (WMI) CODE  
As prescribed by the Canadian Motor Vehicle Safety Standard (CMVSS) - 115**

Please return completed form to:  
Road Safety and Motor Vehicle Regulation, Transport Canada  
275 Slater Street, 17th floor, Ottawa, ON K1A 0N5

Date (yyyy-mm-dd)

**Note:** The registered name of the company must match the name listed on this application.

Name of manufacturer

**The physical address where WMI will be used (Note: Physical address required):**

Street	City	Province	Postal code
Telephone number (Include area code)	Fax number (Include area code)	Website	

**Mailing address (if different from physical):**

Street	City	Province	Postal code
Telephone number (Include area code)	Fax number (Include area code)		

Please list additional address(es) where WMI will be used on a separate sheet:

List attached  
 Yes If yes, indicate number of pages \_\_\_\_\_  No

**Class of Vehicle: (Please check the class(es) of vehicle(s) manufactured)**

<input type="checkbox"/> Trailer	<input type="checkbox"/> Trailer Converter Dolly	<input type="checkbox"/> Bus	<input type="checkbox"/> Motorcycle
<input type="checkbox"/> Restricted Used Motorcycle	<input type="checkbox"/> Multipurpose Passenger Vehicle (MPV)	<input type="checkbox"/> Passenger Car	<input type="checkbox"/> Snowmobile
<input type="checkbox"/> Snowmobile Cutter	<input type="checkbox"/> Truck	<input type="checkbox"/> Low Speed Vehicle	<input type="checkbox"/> Three-wheeled vehicle

**Production Volume: Check A or B**

A) Producing fewer than 1000 units per year  B) Producing 1000 or more units per year

**The name of the person making the application:**

Name (please print)	Title (please print)	e-mail
Signature		Date (yyyy-mm-dd)

**(Transport Canada will authorise the CVMA to assign the World Manufacturer Identifier Code according to information given above)**

**Note to CVMA:**

Company has been authorised the following NSM \_\_\_\_\_ . Please authorise "WMI" code

\_\_\_\_\_ Date \_\_\_\_\_  
Transport Canada Inspector



Sample compliance label for all trailers, (except RV trailers)

MANUFACTURED BY/FABRIQUÉ PAR: _____			
TYPE: _____ DATE: _____			
GVWR/PNBV _____ KG. V.I.N./N.I.V.: _____			
GAWR/PNBE KG	TIRE / PNEU	RIM / JANTE	COLD INFL. PRESS./ PRESS.DE GONFL. À FROID PSI/LPC KPA
1 <sup>st</sup>			
2 <sup>nd</sup>			

The compliance label must be applied to the forward half of the left side of the trailer so that it is easily readable from the outside. All lettering must be a minimum of 2 mm in height and in block capitals. The National Safety Mark (NSM) Symbol must be a minimum of 13 mm in diameter.

**MANUFACTURED BY:** Must be the registered company name.

**TYPE:** Indicates the vehicle type, in the case of trailers, use “TRA/REM”.

For heavy hauler trailers use “HHT/RL”. (See section 6-7 Compliance Label of the Motor Vehicle Safety Regulations for further details.)

**DATE:** The month and year the vehicle was completed.

**GVWR:** Gross Vehicle Weight Rating, in kilograms, means the value specified by the vehicle manufacturer as the loaded weight of a single vehicle.

**GAWR:** Gross Axle Weight Rating, in kilograms, means the value specified by the vehicle manufacturer as the load-carrying capacity of a single axle system, as measured at the tire-ground interfaces. “The GAWR shall not exceed the rated load carrying capacity of, but not limited to, the tires, rims, suspension, axle mounting hardware and axles.”

**TIRE:** The complete tire size must be listed, which includes the load range. The load range is a letter that’s located on the tire sidewall, which indicates the capacity of the tire. The load range should be indicated after the tire size. e.g. ST 205/75R15 (C) or 11R24.5 (H)

**RIM:** The rim must be indicated by the rim diameter, rim width and rim contour. The rim contour is a letter or a series of letters, which are usually stamped on the inside of the rim. e.g. 15 x 5 JJ Note not all rims have a rim contour e.g. 8.25 x 22.5



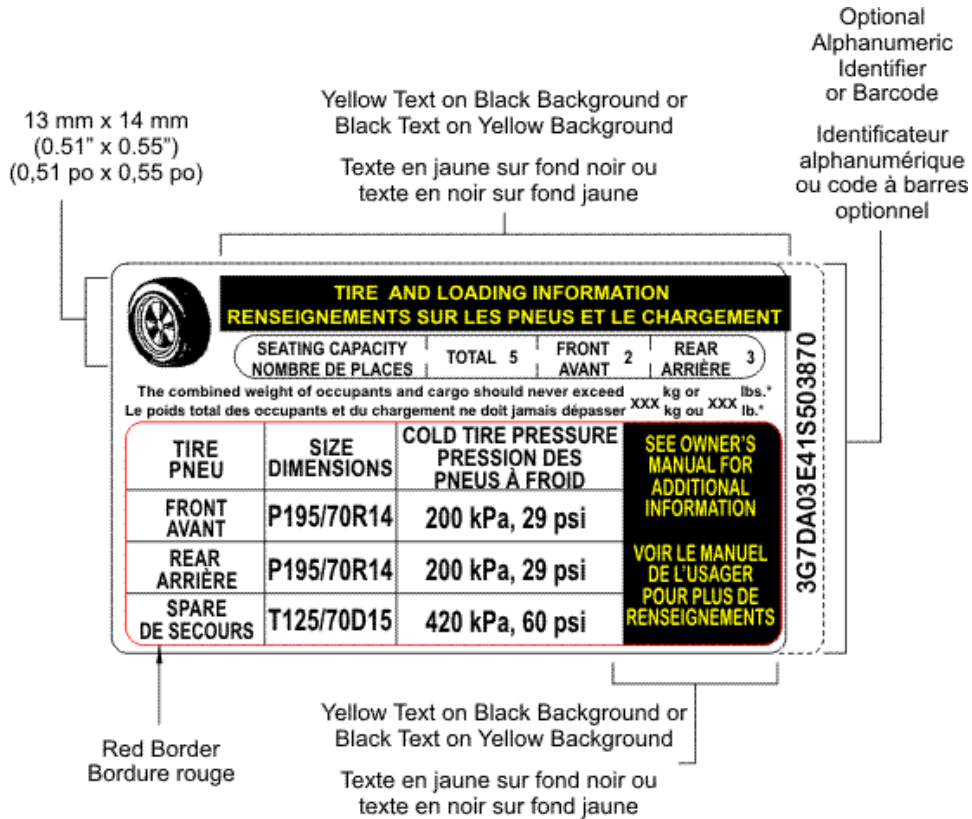
### Sample compliance label for all trailers, (except RV trailers) continued

**VIN:** The Vehicle Identification Number is composed of 17 characters, where position 9 (check digit) is a calculated number. To calculate the VIN, the World Manufacture Identifier (WMI) code will be required. You will receive the WMI code once the National Safety Mark has been issued.

**Note:** If your company intends to manufacture less than 1000 vehicles a year, a six character WMI will be issued and it will be used in positions 1,2,3 and 12,13,14 of the VIN. If your company intends to manufacture more than 1000 vehicles a year the WMI code, a three character WMI code will be issued and the WMI code will only be used in positions 1,2,3.

### Vehicle Placard - Effective September 1, 2009

Bilingual Sample “vehicle placard” tire label for all trailers with a GVWR of 4536 Kg or less



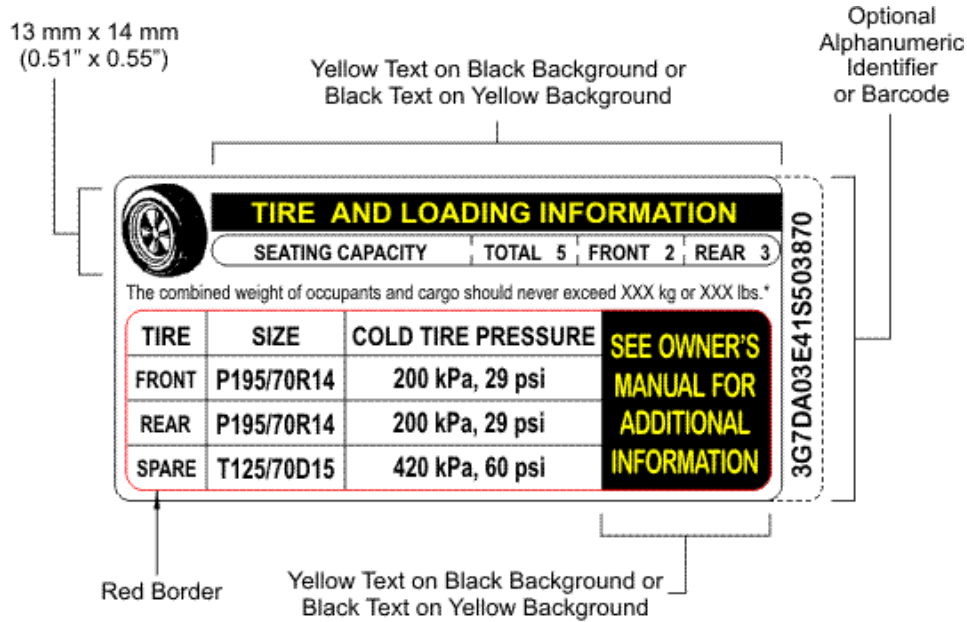
\* For trailers, this statement should read:  
“The weight of cargo should never exceed XXX kg or XXX lbs.”

\* Sur les remorques, le libellé est le suivant :  
« Le poids du chargement ne doit jamais dépasser XXX kg ou XXX lb. »

Figure 3 — Vehicle Placard, Bilingual Example

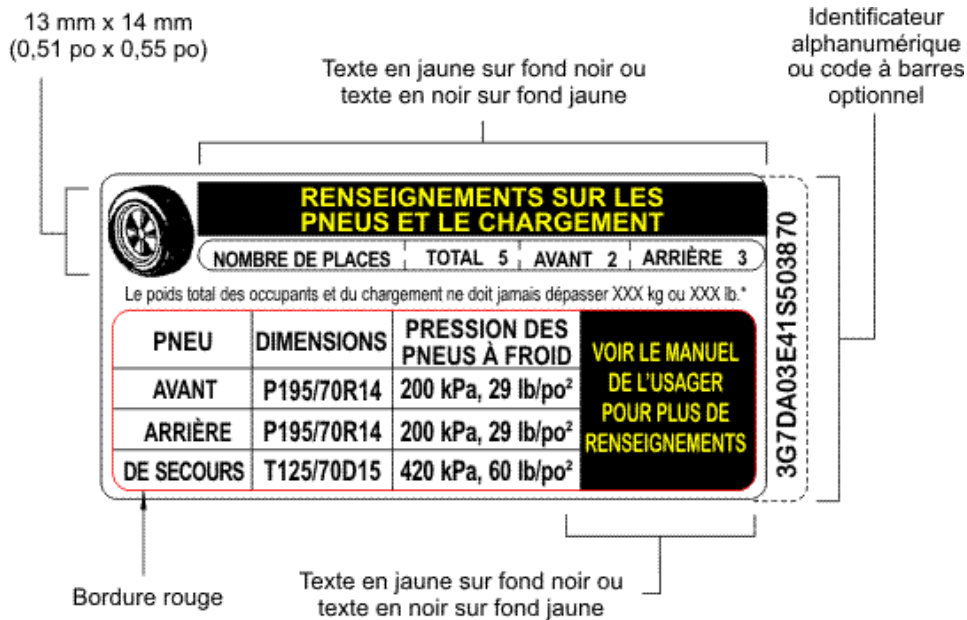


Or the manufacturer can use two vehicle placard labels one in English and the other in French for all trailers with a GVWR of 4536 Kg or less



\* For trailers, this statement should read: "The weight of cargo should never exceed XXX kg or XXX lbs."

Figure 1 — Vehicle Placard, Unilingual English Example



\* Sur les remorques, le libellé est le suivant : « Le poids du chargement ne doit jamais dépasser XXX kg ou XXX lb. »

Figure 2 — Vehicle Placard, Unilingual French Example



### Sample compliance label for RV Trailers

MANUFACTURED BY/ FABRIQUÉ PAR: _____			
TYPE: _____ DATE: _____			
GVWR/PNBV: _____ KG V.I.N./N.I.V: _____			
GAWR/PNBE KG.	TIRE/PNEU	RIM/JANTE	COLD INFL. PRESS. / PRESS. DE GONFL. À FROID PSI/LPC                      KPA
1 <sup>st</sup>			
2 <sup>nd</sup>			
CARGO-CARRYING CAPACITY: _____ KG CALCULATED WITH THE FRESH WATER TANKS FULL (COLD _____ KG HOT _____ KG) AND THE WASTE WATER TANKS EMPTY		CAPACITÉ DE CHARGEMENT: _____ KG CALCULÉE AVEC LES RÉSERVOIRS D'EAU DOUCE PLEINS (FROIDE _____ KG CHAUDE _____ KG) ET LES RÉSERVOIRS D'EAUX USÉES VIDES	
MASS OF WASTE WATER TANKS FULL: _____ KG		MASSE DES RÉSERVOIRS D'EAUX USÉES PLEINS: _____ KG	

The compliance label must be applied to the forward half of the left side of the trailer so that it is easily readable from the outside. All lettering must be a minimum of 2mm in height and in block capitals. The National Safety Mark (NSM) Symbol must be a minimum of 20mm in diameter.

**MANUFACTURED BY:** Must be the registered company name.

**TYPE:** Indicates the vehicle type, in the case of trailers, use “TRA/REM”, for heavy hauler trailers use “HHT/RL”. (See section 6-7 Compliance Label of the Motor Vehicle Safety Regulations for further details.)

**DATE:** The month and year the vehicle was completed.

**GVWR:** Gross Vehicle Weight Rating, in kilograms, means the value specified by the vehicle manufacturer as the loaded weight of a single vehicle.

**GAWR:** Gross Axle Weight Rating, in kilograms, means the value specified by the vehicle manufacturer as the load-carrying capacity of a single axle system, as measured at the tire-ground interfaces. “The GAWR shall not exceed the rated load carrying capacity of, but not limited to, the tires, rims, suspension, axle mounting hardware and axles.”

**TIRE:** The complete tire size must be listed, which includes the load range. The load range is a letter that’s located on the tire sidewall, which indicates the capacity of the tire. The load range should be indicated after the tire size. e.g. ST 205/75R15 (C)



## Sample compliance label for RV Trailers, continued

**RIM:** The rim must be indicated by the rim diameter, rim width and rim contour. The rim contour is a letter or a series of letters, which are usually stamped on the inside of the rim.

e.g. 15 x 5 JJ “Note not all rims have a rim contour.”

**VIN:** The Vehicle Identification Number is composed of 17 characters, where position 9 (check digit) is a calculated number. To calculate the VIN, the World Manufacture Identifier (WMI) code will be required. You will receive the WMI code once the National Safety Mark has been issued.

**Note:** If your company intends to manufacture less than 1000 vehicles a year, a six character WMI will be issued and it will be used in positions 1,2,3 and 12,13,14 of the VIN. If your company intends to manufacture more than 1000 vehicles a year the WMI code, a three character WMI code will be issued and the WMI code will only be used in positions 1,2,3.

**Cargo Carrying Capacity:** means the mass that is equal to or less than the result obtained by subtracting from the gross vehicle weight rating the sum of

- (a) the unloaded vehicle mass,
- (b) the product obtained by multiplying the designated seating capacity by, in the case of a school bus, 55 kg or, in any other case, 70 kg, and
- (c) in the case of a vehicle having living or sanitary accommodations, the mass of its fresh water, hot water and propane tanks, but not its waste water tanks, when full.

### Cargo-Carrying Capacity Calculation:

<b>GVWR</b>		
Minus	Unloaded vehicle mass	
Minus	The mass of its fresh water tanks	
Minus	The mass of its hot water tanks	
Minus	The mass of its propane tanks	
<b>Equal</b>	<b>Cargo-Carrying Capacity</b>	



## TRANSPORT CANADA INTERNET NAVIGATION PAGE

1. Go to [www.tc.gc.ca](http://www.tc.gc.ca)
  2. Then click on the picture of the automobile, which is located on the right side of the page.
  3. Then click on the **Act and Regulations** link: <http://laws.justice.gc.ca/en/showtdm/cs/M-10.01///en>.
  4. Click on Consolidation of the Motor Vehicle Safety Act and the Attendant Regulations to find the items list below:
    - i. **Motor Vehicle Safety Act** - <http://laws.justice.gc.ca/en/showtdm/cs/M-10.01///en>
    - ii. **Motor Vehicle Safety Regulations** - <http://www.tc.gc.ca/RoadSafety/resources/acts-regulations/index.htm>
    - iii. **Technical Standards Documents** - [http://www.tc.gc.ca/roadsafety/safevehicles/mvstm\\_tsd/index\\_e.htm](http://www.tc.gc.ca/roadsafety/safevehicles/mvstm_tsd/index_e.htm)
    - iv. **Canada Motor Vehicle Safety Standards** - <http://www.tc.gc.ca/RoadSafety/resources/acts-regulations/index.htm>
    - v. **Test Methods** - [http://www.tc.gc.ca/roadsafety/safevehicles/mvstm\\_tsd/index\\_e.htm](http://www.tc.gc.ca/roadsafety/safevehicles/mvstm_tsd/index_e.htm)
  5. Lighting Requirements for Trucks - <http://www.nhtsa.dot.gov/cars/rules/standards/conspicuity/TBMpstr.html>
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Please mail your completed documents to:

Director  
Motor Vehicle Regulation Enforcement  
Road Safety and Motor Vehicle Regulation  
Transport Canada  
275 Slater Street, 17<sup>th</sup> floor  
Ottawa, Ontario  
K1A 0N5



The following chart is intended to show the correlation between the *Motor Vehicle Safety Act (MVSA)*, Motor Vehicle Safety Regulations (MVSR) and Canada Motor Vehicle Safety Standards (CMVSS), Technical Standard Documents (TSD) and Test Methods (TM).

For complete the details, please consult the Transport Canada website at [www.tc.gc.ca](http://www.tc.gc.ca)

