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**Table of Contents**

Document Summary ..... 1  
Revision History ..... 1  
Table of Contents ..... 2  
1.0 SCOPE ..... 3  
2.0 APPLICABLE LAWS and INDUSTRY STANDARDS ..... 3  
    2.1 LAWS and REGULATIONS ..... 3  
    2.2 INDUSTRY STANDARDS ..... 3  
3.0 TECHNICAL REQUIREMENTS ..... 3  
    3.1 GENERAL ..... 3  
    3.2 Group 1: Pursuit Performance and Passenger Car/Light Duty Truck Categories ..... 3  
    3.3 Group 2: Medium/Large Truck, Fire Engines, Crew Transport and Bus and  
        Agriculture/Construction categories ..... 4  
    3.4 LOW-ROLLING RESISTANCE TIRES ..... 4

## 1.0 SCOPE

This specification describes the requirements for tires utilized by statewide agencies for law enforcement vehicles, passenger cars, light duty trucks, buses and trailers, medium to large duty trucks, and agriculture, construction, fire engines, and crew transports.

## 2.0 APPLICABLE LAWS and INDUSTRY STANDARDS

Specifications, standards and regulations referenced in this document in effect on the opening of the invitation for bid, form a part of this specification. All tires shall comply with the following federal and state rules, regulations and safety standards.

### 2.1 LAWS and REGULATIONS

#### 2.1.1 Department of Transportation (DOT)

### 2.2 INDUSTRY STANDARDS

#### 2.2.1 Society of Automotive Engineers (SAE)

#### 2.2.2 The Tire and Rim Association (TRA)

#### 2.2.3 American Society of Testing and Materials (ASTM)

#### 2.2.4 National Institute of Standards and Technology (NIST)

## 3.0 TECHNICAL REQUIREMENTS

### 3.1 GENERAL

Products shall be new and equivalent in style, quality, and appointments to those offered to the general public. Tires shall be of standard original equipment manufacturer (OEM) quality equal to or superior in every respect to those normally furnished as original equipment for such vehicles. Tires shall be of minimum OEM recommended tread wear rating for each group category described in this specification.

For the purpose of this specification, two category groups are as follows:

### 3.2 GROUP 1: Pursuit Performance and Passenger Car/Light Duty Truck Categories

3.2.1 Pursuit Performance tires for police and other pursuit vehicles and for other high-speed, performance vehicles include any tire that is H, V, W, Y, or ZR rated or above. An H rating is the minimum speed rating for tires in this subcategory.

3.2.2 Tires shall be new, standard production tires expressly designed and certified by manufacturer for high-speed operation and shall exhibit exceptional safety, stability, handling and stopping characteristics.

3.2.3 Contractor shall maintain evidence/certifications that such tires meet all laboratory test and size requirements of Federal Standards MVSS 109 and shall ensure that the tires are marked with "DOT" compliance symbol.

3.2.4 Only tires listed on the Qualified Products List (QPL) provided as Exhibit 1 shall be allowed for purchase under the Pursuit Performance category.

3.2.5 Passenger car tires are designated with a "P" at the beginning of the tire size.

- 3.2.6 Light Duty truck tires can usually be identified by the letters “LT” at the beginning of the tire size. Common applications for these types of tires would be pickup trucks, sport utility vehicles, full size vans and some trailers.
- 3.3 GROUP 2: Medium/Large Truck, Fire Engines, Crew Transport and Bus and Agriculture/Construction categories.
- 3.3.1 Common applications for these types of tires would be medium and heavy trucks, fire engines, buses, semi-trucks, cargo vans and trailer tires. Tires in this subcategory have an inside diameter that is equal to or greater than nineteen and a half inches.
- 3.3.2 Common applications are heavy construction equipment such as wheel loaders, backhoes, graders, trenchers, farm tractors, wagons, harvesters, and other farm implements requiring tires with high traction qualities and tires with high flotation qualities at low inflation pressures.
- 3.4 LOW-ROLLING RESISTANCE TIRES
- Low rolling resistance tires aid in better fuel economy as compared to the average replacement tire. To maintain the fuel economy in fleet vehicles, California requires certified low rolling resistance tires to be available as replacement tires to existing fleet vehicles.
- 3.4.1 Bidders shall identify in their bid response the line items that are Low Rolling Resistance Tires.