1 SCOPE

This specification covers the State of California minimum requirements for passenger and cargo vans with a Gross Vehicle Weight Rating (GVWR) less than 10,000-lbs. These vehicles will be primarily used to transport people and cargo in the State of California on typical State highways and city/county roads and shall be designed to operate under typical ambient temperatures and weather conditions encountered in the State.

2 CLASSIFICATION

Vans shall be grouped as follows: Vehicles offered must meet or exceed these table values as established by group. Vehicles with GVWR 8,500 or more are not acceptable in groups with minimum GVWR less than 8,500 lb.

PASSENGER VAN	Group I (Mini)	Group II (Full Size)	Group III (Full Size)	Group IV (Extended)
Seating Capacity	7	8	12	15
Wheelbase	110”	135”	135”	135”
Engine Horsepower	N/A	N/A	255 HP	255 HP
# Cylinders	4	8	8	8
GVWR	4,500-lb.	6,600-lb.	8,500-lb.	9,000-lb.
Bus Equipment	No	No	No	Yes*

*Shuttle type service for adults only (not legal for school bus applications)

CARGO VAN	Group V (Mini)	Group VI (Full Size)	Group VII (Full Size)
Seating Capacity	2	2	2
Wheelbase	110”	135”	135”
Engine Horsepower	N/A	N/A	255 HP
# Cylinders	4	8	8
GVWR	4,500-lb.	6,600-lb.	9,000-lb

3 SPECIFICATIONS AND STANDARDS

Specifications and standards referenced in this document in effect on the opening of the Request for Proposal form a part of this specification where referenced. Each vehicle delivered shall be fully compliant with all Federal and State regulations for passenger vans in effect as of the date of manufacture.

3.1 SAFETY: Each vehicle delivered shall conform to the Federal Motor Vehicle Safety Standards (FMVSS) and the California Vehicle Code (CVC) requirements for passenger and cargo vans in effect as of the date of manufacture.

3.2 EMISSION CONTROL: The engine shall be California Air Resource Board (CARB) certified to operate on-highway in the State of California at the time of manufacture. Any motor vehicle rated at 8,500 pounds GVWR or less which has a vehicle curb weight of 6,000 pounds or less shall meet or exceed California’s Ultra-Low Emission Vehicle II (ULEV II) standards for exhaust emissions (13 Cal. Code Regs. 1961).

4 REQUIREMENTS

4.1 GENERAL REQUIREMENTS: Each vehicle shall be new (unused), current production or as specified at the Request for Proposal line item description. Each vehicle shall be supplied with all equipment and accessories indicated as standard equipment in the manufacturer’s published literature unless specifically deleted as stated in this specification or Request for Proposal. Optional equipment necessary to meet the minimum requirements of this specification shall be installed.

Navigation systems, satellite radio systems, and entertainment/communication/cell phone systems offered as standard equipment by the manufacturer are not required and may be deleted (e.g. Onstar).

4.2 **ENGINE:** The engine shall be designed to operate on regular (87 octane) gasoline.

4.3 **COOLING:** The cooling system shall be a liquid pressurized, forced circulation type. A coolant recovery system shall be furnished. The cooling systems shall provide protection from ambient temperatures ranging from 0°F to 120°F.

4.4 **ELECTRICAL EQUIPMENT:** Each vehicle shall be equipped with a 12-volt electrical operating system designed to handle the load requirements of the vehicle equipped with the specified options.

4.5 **TRANSMISSION/DRIVELINE:** Each vehicle shall be equipped with the manufacturer's standard automatic-overdrive type transmission and shall include the manufacturer's standard transmission cooler.

4.6 **STEERING:** Each vehicle shall be equipped with the manufacturer's standard power assisted steering.

4.7 **BRAKES:** Each vehicle shall be equipped with the manufacturer's standard power assisted service brakes with a four-wheel, electronic controlled, anti lock brake system (ABS).

4.8 **WHEELS/TIRES:** Each vehicle shall be equipped with the OEM's standard tubeless type radial tires mounted on OEM approved rims. Tires shall be the OEM's recommended tread design for the type vehicle ordered. As a minimum, all tires shall be the all-season tread design and labeled for Mud and Snow (M/S) service. All "on ground" tires and wheels shall be identical (i.e. no cross brands or models). Each full-size van (passenger and cargo) shall be equipped with a full-size spare tire and wheel mounted and secured on a production-type carrier. Groups I and V (mini vans) shall be equipped with either a full-size or a space-saver spare tire and wheel.

Wheel weights shall contain no more than 0.1 percent lead by weight (Health and Safety Code Section 25215.6).

Drive tire clearance shall be adequate for normal operation of the vehicle when loaded to capacity and equipped with winter anti-skid chains or cables.

4.9 **TRAILER-TOWING PACKAGE OPTION:** A trailer-towing package may be ordered by the agency for full-size vans (passenger and cargo). Vehicles equipped with a trailer towing package shall include a frame mounted 2-inch receiver type hitch and a 7-wire trailer electrical harness. The hitch shall be rated as a SAE class III hitch. A receiver insert, ball, and trailer electrical plug are not required.

If the vehicle is equipped with a trailer-towing package, the vehicle shall be equipped with the maximum cooling system available from the manufacturer.

4.10 **AIR CONDITIONING:** Each vehicle shall be equipped with the manufacturer's standard, factory installed, CFC free, dehumidifying/all weather air-conditioner.

Passenger vans (Groups II – IV) shall be equipped with front and rear air conditioning. Passenger vans (Group I) and cargo vans (Groups V – VII) shall be equipped with front air conditioning only.

4.11 **BODY/CAB:** All Group I mini passenger and cargo vans shall include a driver door, passenger door, and side passenger/cargo hinged panel door(s) or sliding door. All full-size passenger and cargo vans shall include a driver door, passenger door, and side passenger/cargo hinged panel door(s). Any vehicle may be ordered with a side passenger/cargo sliding door at the time of purchase order. The rear door(s) shall be either hinged door(s) or a single lift up hatch type door.

All passenger vans (Groups I – IV) shall be equipped with full-length side and door windows. All side, door and rear windows shall be manufacturer's standard tinted windows.

All cargo vans (Groups V – VII) shall be equipped with driver, passenger, and rear door windows. All windows shall be the manufacturer's standard tinted windows. All cargo vans (Groups V – VII) shall be configured to allow interior "walk-thru" from the front to the rear of the van. The addition of a third seat behind the passenger seat is not an acceptable modification to meet this requirement. Passenger van with full windows and a seat delete in lieu of cargo van is not acceptable for Groups V, VI and VII.

4.12 **EXTERIOR COLOR:** The exterior color shall be selected from the manufacturer's published listing of factory available colors. The agency will identify the paint color and scheme on the purchase order. If the exterior color is not specified, the default color shall be white.

4.13 INTERIOR/SEAT UPHOLSTERY: The interior color shall be the manufacturer's standard color supplied with the exterior color specified on the order. Seat upholstery shall be all cloth. Full interior trim and rear floor liner is required for the passenger vans.

Standard manufacturer's interior trim is required for the cargo vans.

4.14 MISCELLANEOUS EQUIPMENT: The following items, supplementing if necessary those items already cataloged as standard equipment, shall be furnished and in place:

- Multi-speed fresh air ventilator with heater and windshield defogger system
- Multi-speed, fresh-air ventilator and heater (front and rear in Groups II – IV; front only in Groups I, V, VI, and VII), and windshield defogger system
- Seat belts for all seating positions
- Sun visors for both driver and front passenger positions
- Dome light(s) with door activated switches
- Inside hood release or an outside lockable hood release
- Rear window defroster (Group I only)
- Manufacturer's standard AM/FM radio with antenna
- Two speed and intermittent windshield wipers; windshield washer
- Tilt steering wheel
- Inside rearview mirror, day/night
- Right and left side exterior rear view mirrors shall be manufacturer's standard
- 12-Volt DC power outlet in front compartment
- Cruise Control
- Standard tool kit including wheel-changing tools and jack, adequate to safely lift the vehicle when loaded to rated capacity

Each Group IV, 15 passenger van, sold in the State of California is required to meet all requirements of the Federal Motor Vehicle Safety Regulations and Standards No. 217, and California Code of Regulations, Title 13, sections as applicable, for Type II Buses.

In addition to statutory requirements, the following specific features are required:

- 10-Unit first aid kit (Title 13, 1243)
- Fire extinguisher with pressure indicator, 4BC, mounted (Title 13, 1242)
- Drive shaft protection, each section (Title 13, 1266)
- Interior mirror (Title 13, 1257)
- Exterior mirrors (Title 13, 1258)
- Interior rear door(s) release with emergency egress feature