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FEDERAL STANDARD

AUTOMOBILES: SEDANS & STATION WAGONS GASOLINE & ALTERNATIVE FUEL POWERED

1. SCOPE AND CLASSIFICATION

1.1 SCOPE

This document covers new, commercially produced, four wheel, two wheel driven, 2006 model year, passenger automobiles that are completely equipped for operation.

1.2 PURPOSE

The purpose of this document is to achieve a practical degree of standardization within the Federal Government's automotive fleet and to simplify competitive procurement of vehicles. The Federal Standard establishes general requirements and basic units that are subject to statutory price limitations.

1.3 COVERAGE

This Federal Standard classifies automobiles generally acquired competitively by the Federal Government and does not include all the varieties of the commodity indicated by the title.

The automobiles covered by this standard are listed by standard item numbers.

ITEM NO.	TYPE / PASSENGERS	MODEL	CLASS
8C	Sedan / 4	Subcompact	I
9C & D	Sedan / 5	Compact	II
10B & C	Sedan / 5	Midsize	III
11A & B	Sedan / 5 & 6	Large	IV
12A	Station Wagon / 4	Subcompact	I
14C	Station Wagon / 5	Midsize	III
17	Sedan	Police use	III
17A & B	Sedan	Police use	IV
17C & D	Station Wagon	Police use	III

1.4 FUEL ECONOMY

Agencies are encouraged to use fuel mileage ratings as a factor in the selection of their vehicles. Miles per gallon ratings for all vehicles of less than 8,500 lb GVWR are available in AutoChoice under the price comparison tab or on the EPA website at www.fueleconomy.gov.

1.5 STANDARD ITEMS AND OPTIONS

The standard item and the coded additional systems and equipment (options) shall comply with the minimum and detailed requirements specified. The options are additional components, systems, devices, markings, and services that are to be provided and installed. Other special equipment items may be further described in authoritative documents. A minimum requirement cited in the standard or in the procurement document is a "Requirement" to be furnished under the contract.

1.6 VEHICLES SUBJECT TO STATUTORY PRICE LIMITATIONS

The basic commercial automobile completely equipped for ordinary operation and identified by the item numbers listed in the below table have been determined to be subject to statutory price limitations pursuant to Public Law 91-423.

Item No.	**8**	**9**	**10**	**11**	**14**
	Class I Subcompact 4 Passenger Sedan	Class II Compact 5 Passenger Sedan	Class III Midsize 5 Passenger Sedan	Class IV Large 5/6 Passenger Sedan	Class III Midsize 6 Passenger Station Wagon
Style	Trunk	Trunk	Trunk	Trunk	Liftgate

Volume Index, cu. ft., min.	103	110	121	121 / 131	131
Wheelbase, in., min.	103	107	108	112 / 113	106
Base Curb Weight, lbs., min.	2567	2930	3336	3663 / 3778	3250
Hip/Leg Room, Rear Seat, in.	50/34	52/38	55/38	54/38 / 55/39	54/35
Engine, Cyl., Displacement min.	4/2.0L	4/2.2L	6/2.7L	6/2.7L / 6/3.8L	6/3.0L
Transmission Type	Automatic	Automatic	Automatic	Automatic	Automatic
Brake Type	Manual	Power Assist	Power Assist	Power Assist	Power Assist
Steering	Manual	Power Assist	Power Assist	Power Assist	Power Assist
Front Seats	Bucket	Bucket	Split Bench	Bucket / Split Bench	OEM Std
Front Impact Air Bags	Required	Required	Required	Required	Required
Occupant Restraint Sys	Required	Required	Required	Required	Required
Tires, Radial, Wheel/Tire Size, min.	14/P175	15/P205	16/P215	16/P215 / 16/P225	16/P215

1.7 ALTERNATIVE FUEL VEHICLES

Vehicle Configuration	Fuel Type	Item Number	Manufacturer	Model
Sedan, Compact	E85	9D	DaimlerChrysler	Stratus
Sedan, Midsize	E85	10B	Ford	Taurus
Sedan, Midsize	E85	10B	General Motors	Impala
Sedan, Midsize	E85	10C	General Motors	Monte Carlo

2. APPLICABLE DOCUMENTS

2.1 REFERENCES

Referenced documents shall be the issue in effect on the date of manufacture.

2.2 ABBREVIATIONS AND DEFINITIONS

Following are some of the most commonly used abbreviations and their meanings, as they appear in this standard:

CCA ---------- Cold Cranking Amps
CVT ---------- Continuously Variable Transmission
FPMR ---------- Federal Property Management Regulations
GVWR ---------- Gross Vehicle Weight Rating

HDA	Heaviest Duty Available
LE	Law Enforcement
MIN	Minimum
N/A	Not Available
OEM	Original Equipment Manufacturer(‘s)

2.3 OPTIONAL EQUIPMENT CODE INDEX

ATC	Automatic Traction Control	3.3.3
AVSC	Automatic Vehicle Stability Control	3.4.1
AWD	All Wheel Drive	3.3.3
CNS	Consignee (Direct) Delivery	3.7.4.1
D3	Special Traction Differential	3.3.3
DIFA	Alternate Axle Array	3.2.1.1
DR	Delete Radio	3.2.1.1
DS	Deactivate Door Switch	3.2.1.1
E2	Six Cylinder Engine	3.3.1
E3	Upgraded 8 Cylinder Engine	3.3.1
E85	Ethanol Flexible Fuel	3.3.2
FFRS	Fold Flat Rear Seat	3.5.2
FSS	Fire Suppression System	3.2.1.1.1
GLSS	Laminated Security Side Glass	3.2.1.1
H3	Handling and Performance Package	3.4.1
HB	Hatch Back	3.5.5
H8	Taxi Package	3.2.2
HCAB	Head and Chest Side-impact Air Bag(s)	3.7.1
IV	Increase Wheelbase / Interior Volume	3.5.1.2
KA	Same Key on Order	3.2.1.1
OLS	Oil Life System	3.3.2
OS	OnStar	3.5.1.2
PEP	Police Equipment Package	3.2.1.2.1
PEP1	Enhanced Police Equipment Package	3.2.1.2.2
PEP2	Base Police Equipment Package	3.2.1.2.3
PSM	Parts and Service Manuals - Printed	3.6
PSMA	Parts and Service Manuals - Air Force	3.6
PSME	Parts and Service Manuals - Electronic	3.6
RDI	Rear Door Locks and Windows Inoperative Except From Driver’s Position	3.2.1.1
RF	Rubber Floor Covering	3.2.1.1
RX1	10 Wire, Roof Wiring with Hole	3.2.1.1
SAG	Street Appearance Package	3.2.1.1
SF	Split Front Bench Seat	3.2.1.1
SIAB	Side-impact Air Bags	3.7.1
SK	Metric Odometer	3.7.3
SL	Spotlight, Left Side	3.2.1.1
SL2	Spotlight, Left and Right Side	3.2.1.1
SRO	OEM Reverse Obstacle Sensor	3.5.1.2
STP	Two Tone Paint	3.2.1.1
TO	Trunk Organizer	3.2.1.1
VDD	Variable Displacement on Demand	3.3.1
VU	Vinyl Upholstery, Front & Rear	3.2.1.1
VUR	Vinyl Upholstery, Rear Seat Only	3.2.1.1
WLT	Under Trunklid Light Wiring	3.2.1.1

3. REQUIREMENTS

3.1 DESIGN

The automobiles furnished under this document shall be the vehicle manufacturer's current production. The vehicles offered shall be as shown in the Federal Standard "Item Number." Vehicles shall be complete with all the necessary operating components and accessories customarily furnished to the general public, whether stipulated herein or not, together with such modification, attachments, and accessories as may be necessary or specified herein to enable the vehicle to function reliably and efficiently in sustained operation. The term "heavy-duty" shall mean in excess of the usual quality, durability, or capacity that is normally supplied with the standard production vehicle or component. When heaviest duty available component is shown, the supplier may provide a vehicle with the standard component when no OEM heavy-duty component is offered for the model specified. The term "minimum" as used to describe an item shall mean the item is required.

3.1.1 VEHICLE EQUIPMENT AND ACCESSORIES

Unless otherwise specified, the automobile(s), components, assemblies, and accessories to be delivered under the contract shall be standard or optional commercial automotive products that meet or exceed the requirements specified. They shall comply with all federal, state and local regulations applicable to the specified vehicle on the date of manufacture. All components and optional items shall be as represented in the manufacturer's current technical and sales data. Option codes are defined in this standard, or are self-explanatory, as generally used in the automotive industry. Optional and standard equipment ordered shall be installed ready for use, unless otherwise specified.

3.1.2 BASIC VEHICLE

The basic vehicles were established by statute and are subject to price limitations. Basic vehicles shall be equipped as specified in 1.6. Standard and optional equipment described in this standard do not apply to basic vehicles.

3.2 VEHICLE AND COMPONENTS

3.2.1 POLICE USE VEHICLE HEAVY-DUTY COMPONENTS AND EQUIPMENT

These vehicles shall be furnished with vehicle OEM standard heavy-duty components and equipment offered commercially, and engineered for police use, consisting of the following as available, in addition to requirements specified herein:

a. Chassis and components: cooling and recovery system, radiator, fan blades, battery, alternator, starter, transmission, etc;
b. Suspension: springs, shock absorbers, wheels, and stabilizer bar(s);
c. Seat assemblies: front bucket;
d. Speedometer: 140 mph head calibrated to 2 percent accuracy;
e. Tires: high speed type, minimum "H" speed rated;
f. Engine RPM limiter, and heavy-duty transmission fluid or transaxle oil cooler; and
g. Accessories: dual or dual note electric horn(s), dash mounted electric power point, and lighting group with report light.

3.2.1.1 POLICE VEHICLE OPTIONS

The following option codes may be specified with police vehicles. Refer to AutoChoice for availability by item number:

DIFA	Alternate axle array, greater acceleration with top speed reduction.
DR	Delete radio.
DS	Deactivate door switch for interior lights.
GLSS	Laminated security side glass.
KA	Same key for all vehicles on order.
RDI	Rear door locks and windows inoperative except from the driver's position.
RF	Rubber type floor covering.

RX1	Roof wiring, right side at “B” pillar, minimum 10 wires with grommeted roof hole.
SAG	Street appearance package.
SF	Split bench front seats.
SL	Spotlight, left side.
SL2	Spotlight, left and right side.
STP	Two color paint scheme.
TO	Trunk organizer.
VU	Vinyl upholstery, front and rear seats.
VUR	Vinyl upholstery, rear seat only.
WLT	Wiring for under trunk lid warning lights.

3.2.1.1.1 FIRE SUPPRESSION SYSTEM

When code FSS is specified, a fire suppression system shall be furnished. The system is designed to reduce the risk of injury in high-energy rear impacts by deploying chemicals designed to suppress the spread of fire or potentially extinguish a fire. By doing so, it provides more time for occupants to either escape from a crashed vehicle or be removed from the vehicle by outside persons. The system uses advanced electronics and on-board sensors to measure post-impact vehicle movement to determine the optimal time for deployment of the fire suppression material. The system is integrated into the vehicle's structure and electrical architecture.

System Components:

a. Two stainless steel containers that hold the fire suppressant material and gas generators used to pressurize and deploy the suppressant material.
b. Two manifold assemblies, each with two deployable nozzles, that spray fire suppressant down onto the ground.
c. An additional manifold, mounted high with two fixed nozzles, that sprays fire suppressant material up and into the body.
d. The electronic control module (located under the rear seat) contains the rear crash sensor, the processing computer, and a large electrical capacitor for backup system power in case vehicle electrical power is lost.
e. Two redundant wiring harnesses run between the control module and the gas generators. Each harness is armored to protect it during a high-energy crash. The redundancy allows one to be damaged without impacting the functionality of the system.
f. The manual activation switch is located on the headliner between the sun visors.

System Function: In the event of a very high speed, high-energy rear impact, a system of crash sensors and high speed electronic processors determines that the system needs to deploy. The system delays deployment until the ABS wheel sensors indicate the wheels have slowed and the vehicle is coming to rest. If the vehicle speed sensors have been so damaged in the accident that they are unable to command deployment, a back-up timer will deploy the system six seconds after impact.

The fire suppression materials are stored in an unpressurized liquid state. When the deploy signal is given, two gas generators, similar to the gas generators used in airbags, generate high pressure gas. Suppressant and surfactant materials are then emitted through a system of manifolds and nozzles to suppress the fire. Surfactant reduces the surface tension of the liquid fire suppressant enabling the liquid to spread more quickly and completely. None of the materials used in the system are hazardous.

The system deploys automatically when a high-speed, high energy impact occurs at the rear of the vehicle and manually when other situations require fire suppression. There is a covered manual activation switch mounted in a console on the headliner between the visors that can be used by vehicle occupants to manually deploy the system.

System Limitations:

a. The system has been designed and tested to withstand a 75 mph, 50% offset rear impact by a mid-sized vehicle. In some crashes, including very high-energy crashes, the fire suppression system could be so damaged by the crash forces that it cannot deploy. Like any vehicle component, the system cannot withstand any and all crashes.
b. No vehicle can completely eliminate the risk of fires.
c. The vehicle should not be considered “fire proof” because it is equipped with a fire suppression system.

3.2.1.2 POLICE USE VEHICLE OPTION PACKAGES

3.2.1.2.1 POLICE EQUIPMENT PACKAGE

When code PEP is specified, the vehicle OEM option package containing the following items shall be provided:

a. Two Front Strobe Bulbs and Two Rear Strobe Bulbs - installed in marker light and taillight lenses.
b. Wiring Harness including the following items:
    - Six Strobe Cables - shielded and grounded, pre-run to the front marker lights, taillight lenses and two to the front grille. Strobe cables with industry standard gender and color configuration.
    - Glove Box Power Distribution Center - 50 amps, fused in the engine compartment. Five power and ground wires for customer use. Five fuses - two battery and three ignition powered.
    - Trunk Power Distribution Center - 50 amps, fused in the engine compartment. Four power and ground wires for customer use. Four fuses - two battery and two ignition powered.
    - 50 amp Battery Circuit and Ground - accessible at console base only.
    - Three 50 Amp Battery Circuits and Grounds - supplies Lighting Relay Center.
    - 50 amp Battery Circuit and Battery Ground - accessible at console base or trunk, for radio communications.
    - Siren/Speaker Wiring - pre-run to front of vehicle with waterpack connector. Available in trunk from pigtail harness.
    - Two Extra Circuits - pre-run to front of vehicle, accessible at console or trunk.
    - Horn/Siren Relay Circuit - accessible at console base or trunk.
    - Four Extra Circuits - pre-run from the engine compartment to console base. One circuit is heavy gauge for additional battery or ground connection.
    - Four Extra Circuits - pre-run from the console base to trunk.
c. Alternating Headlight Flasher. Extra relay available for optional override of alternating headlight flasher at night when headlights are in use.
d. Console Mounting Platform - secured using existing safety mounting points. The powder-coated aluminum mounting plate is pre-drilled for the addition of equipment (without arm rest).
e. Center Wiring Conduit - 2” x 4” opening. For ease of installation, the conduit will house and protect any additional wire run from the center console to the trunk. Accommodates most communication wires and connectors.
f. Hidden Manual Door Lock Plunger - located in both rear doors, forward door frame.
g. Trunk Air Circulation Fan - pulls air from passenger area and exhausts through trunk, stabilizing climate for equipment. Grounded to reduce electromagnetic interference.
h. Tie Down Strap - for securing trunk when carrying large items like a bicycle.
i. Dual Trunk Storage Boxes - maximizes trunk space, provides equipment mounts, and relocates jack. Clear view covers for quick reference.
j. Rear Trunk Communications Service Tray - glides on heavy-duty tracks. Shipped with secured spare tire. For equipment mounting.
k. Strobe Power Supply - six outlets with front shutdown.
l. Two High Intensity Flashing Rear Deck LED Lights - red and blue color configuration is standard.

m. Visibility Switch Panel - including four position slide switch and 4 rocker switches. Controls strobes, flashing LED lights, and alternating headlight flasher. Capable of controlling up to 8-light bar or other lighting functions. Installed with bracket to console mounting platform.
n. Lighting Relay Center - for use with the Visibility Switch Panel. Fused at 150 amps through eight relays. Eight fuses. Eight outputs accessible at trunk for connection of customer supplied lighting.

3.2.1.2.2 ENHANCED POLICE EQUIPMENT PACKAGE

When code PEP1 is specified, the vehicle OEM option package containing the following items shall be provided:

a. All components specified for code PEP Police Equipment Package. Some circuits are utilized to power the following equipment.
b. Wiring Harness - 30 Amp Ignition Circuit - supplies Remote Siren Amplifier.
c. RJ11 Serial Cable - pre-run from console to trunk for connection between Lighting and Siren Controller and Remote Siren Amplifier.
d. Remote Siren Amplifier - utilizes vehicle horn circuit for activating siren and changing tones. Radio rebroadcast inputs available in trunk. 50 watt siren output available in trunk for addition of second speaker. Common mic input available in trunk. Meets California Code of Regulations (CCR) Title 13, Article 5. Installed with bracket to Rear Trunk Communications Service Tray.
e. Two (2) Grille Strobe Lights - installed with mounting brackets. Red and blue color configuration is standard.
f. 100 Watt Siren Speaker - with replaceable driver. Installed with mounting bracket. Sound output meets SAE J1849 and “Class A” 500 ft. audibility.

3.2.1.2.3 BASE POLICE EQUIPMENT PACKAGE

When code PEP2 is specified, the vehicle OEM option package containing the following items shall be provided:

a. Two Front Strobe Bulbs and Two Rear Strobe Bulbs - installed in marker light and taillight lenses.
b. Wiring Harness including the following items:
    - Six Strobe Cables - shielded and grounded, pre-run to the front marker lights, taillight lenses and two to the front grille. Strobe cables with industry standard gender and color configuration for connection to customer supplied strobe power supplies.
    - Glove Box Power Distribution Center - 50 amps, fused in the engine compartment. Five power and ground wires for customer use. Five fuses - two battery and three ignition powered.
    - Trunk Power Distribution Center - 50 amps, fused in the engine compartment. Four power and ground wires for customer use. Four fuses - two battery and two ignition powered.
    - 50 Amp Battery Circuit and Ground - accessible at console base only.
    - 50 amp Battery Circuit and Ground - accessible at console base or trunk. Available in trunk from pigtail harness.
    - Two 50 Amp Battery Circuits and Grounds - accessible at trunk only. Available in trunk from pigtail harness.
    - 50 Amp Battery Circuit and Battery Ground - accessible at console base or trunk, for radio communications.
    - 30 Amp Ignition Circuit - accessible in trunk only from pigtail harness.
    - Siren/Speaker Wiring - pre-run to front of vehicle with waterpack connector. Available in trunk from pigtail harness.
    - Two Extra Circuits - pre-run to front of vehicle accessible at console or trunk.
    - Horn/Siren Relay Circuit - accessible at console base or trunk.

- Four Extra Circuits - pre-run from the engine compartment to console base. One circuit is heavy gauge for additional battery or ground connection.
- Four Extra Circuits - pre-run from the console base to trunk.

c. Alternating Headlight Flasher - control wire accessible at console for optional connection to customer supplied positive control switch box. Extra relay available for optional override of alternating headlight flasher at night when headlights are in use.

3.2.2 HEAVY-DUTY COMPONENT TAXI PACKAGE

When code H8 is specified, the vehicle shall be furnished with OEM's heaviest duty components available for the model offered, as provided by the manufacturer commercially for taxi vehicles, consisting of at least the following:

a. Chassis and Components: cooling system, radiator and coolant recovery, fan blades, battery, alternator, starter, transmission and oil cooler, and engine mounts;
b. Suspension: springs, shock absorbers, and stabilizer bar(s);
c. Bucket front seats;
d. Accessories: dome light, front and rear door switch operated; arm rests and ashtray front and rear; mirrors right and left sides, etc; and
e. Unless otherwise specified, roof wiring and holes shall not be furnished.

3.2.3 AIR POLLUTION CONTROL

The vehicles destined for all states, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and American Samoa shall comply with U.S. Environmental Protection Agency Regulations governing Control of Air Pollution from New Motor Vehicles and New Motor Vehicle Engines in effect on the date of manufacture and with state requirements for which the vehicles are destined.

3.2.4 BRAKE SYSTEM

All service brakes shall be of the self-adjusting, power assisted type. An antilock, four-wheel brake system shall be furnished.

3.3 DRIVETRAIN

3.3.1 ENGINE

Unless otherwise specified, the supplier shall furnish the vehicle with an engine that meets or exceeds the requirements specified. The engine furnished shall not exceed the number of cylinders specified. When specified that the vehicle will be exported, the manufacturer shall furnish an engine suitable for use at the ultimate destination. When code E2 is specified, a six cylinder engine shall be furnished. When code E3 is specified, an eight cylinder engine shall be furnished. When code VDD is specified, the engine shall selectively deactivate cylinders in order to improve fuel economy.

3.3.2 ENGINE COMPONENTS AND SYSTEMS

When specified, the vehicle(s) shall be furnished as indicated: code E85, ethanol and gasoline compatible vehicle; and code OLS, oil life system designed to maximize drain intervals.

3.3.3 DRIVING AXLE

When code D3 is specified, the vehicle shall be furnished with a positive traction, limited slip, or automatic locking differential. When code ATC is specified, the OEM automatic traction control system shall be furnished. When code AWD is specified, the OEM full time all wheel drive system shall be furnished.

3.4 SUSPENSION

3.4.1 SUSPENSION AND STEERING

When the handling and performance package, code H3, is specified, OEM's components and equipment, offered commercially and engineered for ride and handling performance, shall be

furnished. When code AVSC is specified, an automatic vehicle stability control system shall be furnished.

3.4.2 TIRES

Unless otherwise specified, tires shall be OEM radial in at least the minimum size specified with all season or regular highway tread. Tires furnished shall be the same size, type, and ply rating for all wheels. A full size spare tire shall be furnished. When a full size spare tire is not available, a space saving spare tire shall be furnished. Police use vehicles shall have a full size spare tire assembly. Tire changing tools shall be furnished.

3.5 BODY

3.5.1 EQUIPMENT

3.5.1.1 STANDARD EQUIPMENT AND ACCESSORIES

Except as identified in 1.6, each vehicle shall be equipped with, but not limited to, the following: driver and passenger front air bags; air conditioning; heating/ventilating systems; interior lighting (dome); dual sun visors; dual outside mirrors; non-glare day and night type inside mirror; multi-speed, intermittent dual electric windshield wipers and washers; rear window defroster; hubcaps, wheel covers, or cast wheels; headliner; floor carpet including carpeted mats for front and rear seating areas; trunk floor covering (carpet/mat); all tinted glass windows when available; electric power outlet; keyed door locks; and front and rear license plate brackets.

3.5.1.2 OPTIONAL EQUIPMENT AND ACCESSORIES

When the following optional equipment codes are specified, the manufacturer shall provide the vehicle with the OEM chassis equipment specified: code IV, increased vehicle wheel base and interior volume; code SRO, reverse obstacle sensor. Code OS, OnStar system hardware and a subscription for three years from the date of delivery. Option is available only in the 48 contiguous states. Remote system services shall include automatic notification of airbag deployment, stolen vehicle tracking, emergency services, roadside assistance, door unlock, horn and lights, and vehicle diagnosis.

3.5.2 SEATS

Seats shall be as specified. All split front and bucket seats furnished (standard or optional) shall be individually adjustable for legroom. When code FFRS is specified, a rear seat that folds flat to create extended trunk space shall be furnished.

3.5.3 UPHOLSTERY AND TRIM

Unless otherwise specified, the interior trim and seat upholstery shall be cloth type for all classes.

3.5.4 PAINT AND FINISH COLOR

Unless otherwise specified, vehicle's exterior shall be one of the manufacturer's available standard production colors selected by the customer at the time the order is placed.

3.5.5 BODY STYLE

The vehicle body style shall be as specified. When code HB is specified, a hatch back body style shall be furnished.

3.6 PARTS & SERVICE MANUALS

When code PSM, PSME, or PSMA is specified, the contractor shall furnish all parts lists and service publications for the vehicle and all equipment furnished.
When code PSM is specified, the publications furnished shall be printed documents. The publications will be shipped separately from the vehicle to the consignee mailing address as shown on the Motor Vehicle Delivery Order.
When code PSMA is specified, 2 sets of parts & service manuals shall be sent to Warner Robins Air Force Base as detailed in the vehicle vendor's contract.

When code PSME is specified, the publications shall be electronic (CD or web-based).

3.7 STANDARD AND ADDITIONAL REQUIREMENTS

3.7.1 OCCUPANT PROTECTION

When code SIAB is specified, side-impact air bags shall be furnished. These are inflatable devices designed to protect the head or chest (torso) of adult passengers. Protection is provided for front seat passengers and may provide for rear seat passenger protection. Head type bags typically deploy from the roof rail above the side windows. Chest type bags are mounted in the side of the seat or in the door.
When code HCAB is specified, head and chest side-impact air bags shall be furnished. These "combination" type air bags are inflatable devices designed to protect the head and chest (torso) of front seat, adult passengers. HCABs typically deploy from the side of the seat or any combination of roof rail, seat, or door mounting locations. This option may require an upgrade of the OEM's base package vehicle offerings.

3.7.2 EXPORT VEHICLES

Export vehicle(s) shall conform to applicable safety standards of U.S.A. Shipping instructions shall be in accordance with the contract.

3.7.3 SPEEDOMETER/ODOMETER

Unless otherwise specified, the speedometer shall indicate speeds in both miles and kilometers, and the odometer shall show cumulative distance in miles. When code SK is specified, the odometer shall show cumulative distance in kilometers.

3.7.4 PREDELIVERY INSPECTION AND SERVICING

Prior to the acceptance of the vehicle(s), the contractor, at his plant or at an authorized dealership of the same make, shall perform final predelivery inspection. This inspection shall include the predelivery servicing, lubricating, adjustments, appearance cleaning, and make-ready to use and operate the vehicle and the furnished contracted equipment. The predelivery servicing shall be performed in accordance with the vehicle manufacturer’s prescribed procedures. Servicing shall comply with the ambient temperatures and conditions applicable with the route of transport and the consignee’s ultimate destination and area of operation. Dealer shall not affix any dealer identification items such as decals, plates, logos, or other advertising material to the vehicle.

3.7.4.1 CODE “CNS” CONSIGNEE DELIVERY

When consignee (direct) delivery, code CNS, is specified, the contractor shall deliver the vehicle to the consignee delivery address designated on the motor vehicle delivery order. The consignee is responsible for:

a. The predelivery inspection and servicing normally provided by the dealer during the standard dealer delivery process.
b. Notifying the contractor of the delayed delivery date and the in-transit mileage accumulation, if applicable.
c. Notifying the contractor of any damages or shortages found within 24 hours.
d. Obtaining local safety and emission testing.

Items normally installed by the dealer as part of the predelivery servicing shall be shipped in the vehicle. The consignee will be responsible for installing these items. The vehicle must be accepted wheels on ground.

3.7.4.2 DEALER DELIVERY

Unless otherwise specified, dealer delivery is required. The contractor shall have the final predelivery inspection and servicing performed at an authorized dealer of the same make nearest to the destination. Following predelivery servicing, the dealer shall notify the person/office designated on the motor vehicle delivery order that the vehicle is ready for pickup.

3.7.5 WORKMANSHIP

Vehicles shall be free from defects that may impair their operation, safety, emissions, and serviceability, or detract from appearance.

3.7.6 OPERATORS' MANUALS

The manufacturer shall furnish with the vehicle at least one copy of all warranty information and handbooks for the vehicle and any special equipment furnished with, or as a part of, the vehicle. The handbooks shall include as a minimum the vehicle operator's manual, vehicle maintenance handbook, and special equipment handbook.

3.7.7 STATEMENT OF ORIGIN OR BILL OF SALE

Unless otherwise specified, manufacturer's Statement of Origin or Bill of Sale showing the applicable purchase order number for each vehicle procured shall be provided. The document shall be forwarded to the Consignee Mailing Address shown on the Motor Vehicle Delivery Order prior to shipment. Vehicle title/registration and safety/emission tests are the responsibility of the requisitioning agency.

3.7.7.1 IDENTIFICATION OF VEHICLES

The Contractor must show the applicable GSA Purchase Order number on the carrier's freight bill or other document used in the delivery of vehicles awarded f.o.b. destination under this solicitation. This information is essential to the consignee for identification purposes. Vehicles will not be accepted by the Government without this identifying number.

3.7.7.2 GSA FORM 1398

Unless otherwise specified, the Contractor shall affix one copy of GSA Form 1398, GSA Purchased Vehicle, fully completed, to the right or left front door lock face or door post after final inspection is made. Copies of GSA Form 1398 are available from the Contracting Officer. Data shown in the solicitation schedule of items may be utilized to satisfy the requirements for the following to be shown on GSA Form 1398:

a. Receiving Agency—Examples are: State, Forest Service, GSA.
b. Purchase Order No.—Use the five-digit "case" or "file" number (often referred to as the RPN Number).

3.8 WARRANTY

3.8.1 BASIC WARRANTY COVERAGE

The contractor shall provide the vehicle manufacturer's basic whole vehicle warranty. The minimum length of the warranty shall be for 3 years/36,000 miles and shall cover the entire vehicle (bumper to bumper). Some components will have additional warranties. Specific warranty terms and conditions are available from the manufacturer.
NOTE: Some manufacturers offer basic whole vehicle warranties in excess of the required minimum. This information can be found in AutoChoice.

3.8.2 CORROSION COVERAGE

The contractor shall provide the vehicle manufacturer's commercial corrosion coverage. This coverage shall be for at least 5 years/100,000 miles.

3.8.3 EMISSION CONTROL SYSTEM

The contractor shall furnish an emission control system and warranty in conformance with applicable regulations of the U.S. Environmental Protection Agency and the destination state.

3.8.4 DOMESTIC USE

When vehicles are used within the 50 States of the United States, the District of Columbia, Puerto Rico and the Virgin Islands, the warranty shall include furnishing, without cost to the Government (FOB contractor's nearest dealer or branch to vehicle's location or station), new parts and assemblies to replace any that failed or malfunctioned within the warranty period. In addition, when the Government elects to have the work performed at the contractor's plant, branch, dealer,

or with the contractor's approval, (i) to correct the defect itself or (ii) to have the vehicle corrected by a commercial garage facility, the cost of the labor involved in the replacement of the failed or malfunctioned parts or assemblies shall be borne by the contractor.

3.8.5 FOREIGN USE

When vehicles are used outside the 50 States of the United States, the District of Columbia, Puerto Rico, and the Virgin Islands, the warranty shall include the furnishing of new parts or assemblies to replace any returned to the contractor by the Government which failed or malfunctioned within the warranty period. The replacement parts or assemblies shall be delivered by the contractor to the port of embarkation in the United States designated by the Government. The contractor shall not be required to bear the cost of the labor involved in correcting defects in vehicles operated in foreign countries.

3.8.6 WARRANTY EXTENSIONS

If the contractor receives from any supplier or subcontractor additional warranty coverage on the whole or any component of the vehicle, in the form of time and/or mileage including any pro rata arrangements, or the contractor generally extends to its commercial customers a greater or extended warranty coverage, the Government shall receive corresponding warranty benefits.

4. QUALITY ASSURANCE PROVISIONS

4.1 RESPONSIBILITY FOR INSPECTION

Unless otherwise specified in the contract or delivery order, the contractor is responsible for the performance of all inspection requirements specified herein. The contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any inspections deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 CLASSIFICATION OF INSPECTIONS

The purchaser shall specify the inspection(s) required for each vehicle. The inspections are classified as follows:

a. Source inspection.
b. Destination examination.

4.2.1 SOURCE INSPECTION

When specified, vehicles shall be inspected on completion, visually, and by examination of documentation and data books, by the Government prior to shipment from manufacturer's assembly plant or subcontractor's facility, to determine compliance to the contract requirements.

4.2.2 DESTINATION EXAMINATION

When specified, the contracted vehicle(s) shall be examined at its destination. The vehicle(s) shall be visually examined to determine compliance to the contract requirements and include the operational checks of 4.2.2.1. Vehicle failures, defects, and/or shortcomings may be accepted subject to correction by the contractor/manufacturer of those points.

4.2.2.1 OPERATIONAL CHECKS

Operational checks shall cover all controls, systems, and devices, doors, windows, accessories, and road testing of the completed vehicle. Vehicle shall be driven at various speeds, brakes tested for dependability, vehicle checked for rattles, squeaks, and compliance to 3.7.4.

4.3 GOVERNMENT VERIFICATION

Quality assurance operations performed by the contractor will be subject to Government verification at unscheduled intervals. Verification will consist of observation of the operations to determine that practices, methods, and procedures of the contractor's inspection are being

properly applied. Failure of the contractor to promptly correct product deficiencies discovered shall be cause for suspension of acceptance until correction has been made or until conformation of product to specification criteria has been demonstrated.

4.4 PRODUCT CONFORMANCE

The products provided shall meet the salient characteristics of this standard, conform to the manufacturer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market.

5. PACKAGING

5.1 PREPARATION

Unless otherwise specified, the vehicle shall be packaged for mobile delivery in accordance with the supplier's standard commercial practice, ensuring carrier acceptance and safe delivery to destination in compliance with regulations applicable to the mode of transportation. When consignee delivery is specified, the fuel tank shall be filled with a minimum of 3 gallons of fuel. When dealer delivery is specified, the fuel tank shall be filled to at least the quarter full mark on the fuel gauge.

6. NOTES

6.1 ORDERING DATA

This standard reflects information on commercially available automobiles which have been segregated into classes to provide for competitive acquisition. This information is reflected as side-by-side model comparisons on the General Services Administration's website. Requisitioners must use the AutoChoice web site accessible at: www.gsa.gov/automotive to select vehicles, colors, and delivery options.

6.2 DEVIATION FROM FEDERAL STANDARD NO. 122

An agency requesting vehicle(s) and other systems or equipment not identified in the Federal Vehicle Standards should consult with the Contract Specialist for the assigned commodity to determine availability. All system/equipment not identified in the standards is reviewed by GSA Engineering to determine the appropriate application.

6.3 ENERGY POLICY REQUIREMENTS

The fleet fuel economy average of passengers automobile(s) acquired by an Executive Agency must meet or exceed the average fuel economy standard for the appropriate model year, under Executive Order 12375, dated August 4, 1982 (see FPMR 101-38.104, Fuel efficient passenger automobiles and light trucks).

6.4 CHANGES AND NOTICES

Requests for changes or additions to the Federal Vehicle Standard, along with rationale, should be sent to the General Services Administration, Vehicle Acquisition Center, Engineering & Commodity Management Division 1901 S. Bell St., Arlington, VA 22202, for appropriate action. The requesting agency will be informed of the action taken.

MILITARY REVIEW ACTIVITIES:

Air Force - 84-99
Army – AT – CE
Navy – YD – MC
Defense Logistics Agency

CIVIL AGENCY REVIEWING ACTIVITIES:

Agriculture-FS-ARS-NRCS-APHIS

DC Government
Interior - BLM-Reclamation
State - AID
Transportation – CG
Treasury – IRS – Sec. Svc. – Customs – ATF
Energy – BPA
Commerce – NOAA
Justice – INS, FBI
EPA, TVA, VA
Army – Air Force Exchange Service

CIVIL COORDINATION & PREPARING ACTIVITY:

GSA-FSS-FFAE