

REQUEST FOR PROPOSALS
FOR
ONE (1) EMERGENCY MEDICAL VEHICLE

FOR
TOWN OF MACHIAS
70 COURT STREET
MACHIAS, ME 04654

CONTACT: LOIS LIBBY

207-255-4424

THE TOWN OF MACHIAS RESERVES THE RIGHT TO ACCEPT
OR REJECT ANY PROPOSAL WHICH IT DEEMS IN THE BEST
INTEREST OF THE TOWN OF MACHIAS

DECEMBER 28, 2016

SPECIFICATIONS

A1.0 SCOPE, PURPOSE AND CLASSIFICATION

A1.0.1 SCOPE

This specification covers a new commercially produced surface emergency medical care vehicle Type III(s), herein referred to as an "ambulance" or "vehicle". This vehicle shall be in accordance with the Ambulance Design Criteria of the National Highway Traffic Safety Administration, United States Department of Transportation, Washington DC. This specification is based on current KKK - A1822 - FKKK - A1822 -F RRevision. It is the intent of this agency to purchase vehicle(s) that are professionally engineered and designed. It is paramount to this agency that vehicle(s) presented be built by a reputable manufacturer with considerable experience in the ambulance manufacturing field. To this end, this agency requires that each manufacturer provide the following:

1.] A statement of fact, signed by an officer of the manufacturing company, disclosing that the manufacturer has delivered five hundred (500) ambulances within the last twelve (12) months of the date of this bid.

2] The size and location of manufacturing facilities. and number of production staff.

2. ISO 9001:2000 Certification.

3] Interior pictures to verify plant facilities.

4] A list of on-site engineering staff with educational accreditation.

5] ISO 9001:2000 Certification.

3.6] Copy of IIHS Side Impact Test Certification

4.7] Copy of NFPA 1901(Stability) Tilt Table Certification

5.8] Copy of SAE J2422 Cab Roof Strength Test Certification

6.9] Copy of SAE J2420 Frontal Strength Test Certification

Failure to provide this agency with the documentation required will be deemed non-responsive.

A1.0.2 PURPOSE

The purpose of this document is to provide the manufacturer with a set of specifications and test parameters that will meet the criteria to manufacture a vehicle as set forth by this agency. This agency seeks a vehicle that will deliver "fair value". Fair value is defined by this agency as the manufacturer's ability to provide a safe, functional, and practical ambulance conversion that will

work in junction with the chassis specified at a reasonable cost. The specifications within this document are a basis to deliver such a vehicle to this agency. This agency at its discretion shall assess the intangible assets of the manufacturer such as, but not limited to, after quality, delivery support, customer service, parts availability and warranty turn around time.

A1.0.3 CLASSIFICATION

This specification calls for the following type of vehicle in accordance with the current KKK - A1822 - F revision.

A1.

1 GENERAL

This is an engineer, design, construct and deliver type specification meeting the needs of this agency. Attention has been given to the engineering and design aspect of this specification that will attain our goal of fair value. It is the manufacturer's responsibility to deliver a product meeting the criteria as set forth. This agency reserves the right to increase the equipment quantities that are specified. In addition, other agencies will be permitted to purchase equipment under this contract as a result of this specification, unless prohibited under law.

A1.1.1 SITES OF WORK

Other than the chassis, specified accessories, and raw materials such as aluminum, wood, etc.; all shops and sub-shops shall be within the complex(s) that are directly owned and controlled by the FSAM (Final Stage Ambulance Manufacture). Any assemblies including, but not limited to, upholstery, fiberglass, cabinetry, electrical, structural and paint application, that are performed or supplied outside of the FSAM's location(s) must be noted. The name, address, and contact person supplying the FSAM with the assemblies must be provided in writing to this agency. Non-disclosure will be sufficient grounds for rejection of bid or termination of contract. Ambulances or chassis' imported for consideration of this specification into the United States under the North America Free Trade Act must provide documentation of compliance with all United States laws applicable. Further, any import ambulance must be independently certified and tested within the United States to meet KKK - A1822 - F certification.

A1.1.2 EXAMINATION OF SPECIFICATIONS

It is incumbent on each manufacturer to be thoroughly familiar with the specification contained herein. The specification will require a "YES" or "NO" or when requested a definitive answer to each section or subsection. Sections or subsections not marked with a "YES" or "NO" or answered shall be deemed incomplete and considered non-responsive. A "YES" answer

constitutes a complete compliance to the section or subsection as written. A "NO" shall indicate noncompliance and does not eliminate a manufacturer from competition. A manufacturer may object or counter to a specific section or subsection. A manufacturer must indicate in writing, as an attachment, the section or subsection in dispute. The manufacturer must include the verbiage as written, new verbiage presented, explanation of verbiage with consequences and supporting tests and documentation. Failure to comply will be deemed as non-responsive. This agency reserves the right to determine compliance.

A1.1.3 DEFINITIONS: The following definitions shall apply with regards to these specifications.

A1.1.4 PURCHASER: The end user of the equipment specified or the applicable purchasing agency acting on behalf of the end user.

A1.1.5 CONTRACTOR: The individual, firm, partnership manufacturer, or corporation to whom the contract is awarded by the Purchaser and is subject to the terms thereof. For bidding purposes the contractor, vendor, bidder, manufacturer are synonymous.

A1.1.6 EQUAL: This agency supports the design, engineering, quality and materials as specified in this document. This shall not prohibit the bidding of unlike product. However, any deviation from the specification must be marked and submitted per section A1.1.2. Failure to do so shall be deemed non-responsive.

A1.1.7 MANUFACTURER: The manufacturer within this specification shall be considered the "FSAM" of the ambulance conversion. The chassis requirement as set forth in this specification is the responsibility of the FSAM to procure. This agency considers the chassis platform as a conveyance for the ambulance conversion. It is imperative that the FSAMs procure the **exact** chassis from the chassis manufacturer. After market modifications by the FSAM to achieve chassis specification will not be tolerated. This agency will require documentation from the chassis manufacturer pertaining to the chassis requirements for this agency. Failure to provide documentation after award and prior to construction may result in the termination of the contract. Expenses to re-bid will be the responsibility of the manufacturer in default.

A2.0 SPECIAL CONDITIONS

A2.1.1

BIDDERS RESPONSIBILITY AND QUALIFICATION

The FSAM shall have in operation two factories, each in separate cities adequate and devoted to the manufacture of vehicle(s) described herein. Both factories shall be operated by the same company with the company name.

A2.1.1

It is not the intent of these specifications to call for an unusual or experimental vehicle(s). The

FSAM shall have a minimum of 510 years of uninterrupted manufacturing of similar or identical vehicles to the specifications set forth in this bid.

A2.1.2

If requested by the purchaser, the FSAM shall supply upon request a list of eightfifteen (815) agencies that have purchased similar or identical vehicles within the past year from date of bid. The list will have contact names and phone numbers.

A.2.1.3

For the purpose of this section, if the bidder of record and the FSAM are separate business entities, then each shall be required to submit financial, insurance, and/or licensor to conduct business within this jurisdiction. Failure to provide proper documentation with the bid response may result in any bid being deemed non-responsive.

A.2.1.4

The FSAM shall be ISO 9001:2000 certified. **No Exceptions.**

A.2.1.5

The FSAM shall employ full time a Quality Control Manager whose primary function is to monitor quality. **No Exceptions.**

A2.2 PAYMENT, DELIVERY AND ACCEPTANCE

A2.2.1

A deposit may be remitted with the order not to exceed twentyen five percent (2150%) of the total contract amount. This agency reserves the right to issue a binding municipal Purchase Order in lieu of a deposit. The choice to submit either the deposit and/or the binding purchase order will be that of this agency.

Prepayments or progress payments for any part or material after contract award will not be allowedmay result in a termination of the award. The contract will be given to the next responsible FSAM. It is the intent of this agency to do business with a company of sufficient financial means to meet the financial burdens necessary complete and delivery the vehicle as specified.

Unless otherwise requested, the FSAM shall arrange over the road delivery of the completed vehicle to this agency's designated local address under the vehicles own power. Costs of transportation and preparation are to be included with the price as bid. The FSAM may as an

option, offer a line item credit for pick up by this agency at their place of manufacture.

The Balance of Payment in full will be made in full upon delivery once an inspection of the vehicle by this agencies authorized representative(s) confirms compliance with the specification. The delivery, acceptance inspection, and payment shall take place on the same day. In the event it is deemed necessary for this agency to inspect the vehicle(s) at the primary manufacture location, a temperature controlled inspection area separate from the production facility shall be available.

A2.2.2

All bid prices and conditions must be specified on the Bid Proposal Form.

A2.2.3

Bid prices shall be valid for sixty (60) days. In the unforeseen circumstance that this agency requires the FSAM to extend pricing requirement; then it will be at the discretion of this agency to request in writing from the FSAM any deviation in prices quoted. The FSAM may revise pricing and state in writing reasons for any change and certify the amended pricing for sixty (60) additional days.

A2.3 BID EVALUATION

Bids received shall be evaluated by the Purchaser. This evaluation will be based on the following:

- Completeness of the proposal
- Manufacturing and Delivery schedule
- FSAM's demonstrated capabilities and qualifications
- FSAM's past performance on similar Bid Proposals
- FSAM's maintainability and recommendations
- FSAM's logistical and service support

A2.3.1

Bid proposals taking total exception to these specifications will not be accepted.

A2.3.2

Bid proposals that do not comply with the prescribed method to take exceptions listed in paragraph A1.1.2 will be rejected without further consideration.

A2.3.3

This agency seeks the highest level of value for the cost. To assure this agency is receiving such value the FSAM must submit evidence of compliance with KKK - A1822 - F testing parameters.

In addition copies of the following test certifications must be provided: IIHS Side Impact Test Protocol V, NFPA 1901 Tilt Table Test, SAE J2s420 and J2422. The testing is to be performed by an independent testing facility and verified by person(s) with the standing of Professional Engineer. If further testing is required by any lawful agency of the Federal or State Government then it shall be incumbent upon the FSAM to provide this agency with certification required.

A2.3.4

This agency also recognizes Ford Motor Company's Qualified Vehicle Modifiers (QVM) accreditation. Therefore, regardless of chassis specifications the FSAM must include with this proposal their current QVM certification.

A2.3.45

Internal testing performed and certified for a FSAM will not be considered by this agency.

A2.3.6

The FSAM may submit certification of all "member in good standing" of any public or private association that may have bearing on this specification i.e. AMD, NTEA. In addition the FSAM must submit proof that they are NTEA MVP certified.

A2.3.7

To insure that this contract is awarded to a FSAM who has the resources to meet the performance and warranty criteria specified herein, the FSAM shall state in the bid proposal if it is a public or private company. If the FSAM is privately held then it shall include the most current financial statement by a Certified Public Accountant not more than twelve (12) months old or current financial statement of the parent company. If the FSAM is a publicly held company or wholly owned by a publicly held company then it shall state what stock exchange and under what symbol it is traded under. **Bids not meeting this requirement cannot be accepted.**

Note: In performing the evaluation, only information contained within the FSAM's written proposal will be considered.

A2.4 CONTRACT AWARD

The Purchaser reserves the right to increase the number of vehicles or equipment specified under this contract. If awarded, the FSAM agrees that additional agencies may purchase under the same terms and prices afforded by any contract arising from the bid award, unless prohibited by law.

A2.4.1

The purchaser has the right to waive any informalities, irregularities, and technicalities in procedure.

A2.5 WARRANTY

This agency is concerned with the ability of the FSAM to warrant the conversion after delivery. This agency expects a minimum of a fifteen (15) year modular construction warranty and twelve (12) months and twelve thousand (12,000) mile full warranty on the conversion, lifetime electrical warranty and lifetime cabinet warranty. In addition, each manufacturer shall submit their various warranties and warranty options, if applicable, with the proposal for evaluation. Also, each FSAM will supply the name and phone number of a contact person in the event this agency requires clarification of the submitted warranty documents.

The FSAM will provide the location of the closest approved warranty center. Indicate to this agency, in writing, to be included with this proposal; the process to initiate and file a warranty claim.

A2.5.1

Due to the high demands on a pre-hospital care vehicle, this agency demands the FSAM have available a twenty-four hour a day technical assist service. This 24/7 service must be staffed by the FSAM's service personnel, include telephone number: _____.

A2.6 DELIVERY

The FSAM will provide in writing to accompany this document a proposed delivery time. The delivery time proposal will include the transit time of the finished vehicle.

A2.7 BID GUARANTY

Bid proposals shall be accompanied by a Surety Bond in the amount of tenen percent (1010%) of the total price of the bid proposal. The Bid Surety shall be made payable to the Town of Machiasis agency and conditioned upon the FSAM acceptance of award. In the event of failure or refusal to comply, the Bid Surety may be forfeited as liquidated damages because of such failure of default.

A2.8 PERFORMANCE BOND

This agency reserves the right to seek a one hundred percent (100%) performance and payment bond as a condition of award. **A letter must be included from a certified bonding agency stating that a performance bond can be issued on behalf of the FSAM.** Failure to comply may be deemed as non-responsive.

A2.9 INDEMNIFICATION AND INSURANCE

This agency seeks to mitigate future liability exposure; therefore, all FSAMs will submit their

Certificate of Insurance for evaluation. This agency will only consider a FSAM with a minimum of Twoen Million United States Dollars (\$210,000,000.00 USD) that is based on a **PER INCIDENT** basis. This insurance shall be issued by a company rated "A" or better as reported in the current edition of Bests Key Rating Guide, published by Alfred M. Best Company, Inc. Aggregate liability coverage will not be considered regardless of amount. Failure to comply will be deemed non-responsive.

A2.10 FAMILIARITY WITH LAWS

The FSAM will be familiar with all Federal, State and Local laws, ordinance, code rules and regulations that may in any way effect the work. Ignorance on the part of the FSAM is not acceptable.

A2.11 PRE-CONSTRUCTION CONFERENCE

The successful FSAM shall be required to hold a pre-construction conference with representatives of this agency to finalize construction details . The conference shall be held in the Town of Machias.. In the event it is deemed necessary by both parties that the conference be held at a location other than at this agency; the following shall occur. The FSAM will provide adequate transportation, lodging, and meals for two (2) designated personnel from this agency. Further, if the location is in an excess of three hundred (300) miles from this agencies location, the transportation shall be by a commercial air carrier. Private or corporate aircraft may not be used.

A2.12 DRAWINGS

The FSAM shall provide a set of drawings that accurately depict the vehicle as specified. The drawings will show all exterior and interior planes with dimensions. Failure to comply will be deemed non-responsive.

A2.13 EMPLOYEE STATEMENT

It is mandated by the United States Government that all employees currently and to be employed during the duration of this contract are not discriminated against because of their race, creed, color, sex, nationality origin and disability. Further, this agency must be satisfied that the FSAM's labor pool is treated in a fair and equitable manner. Therefore, it will be the responsibility of the FSAM to include a human resource statement outlining employment status, working conditions, and benefits.

A2.14 ANTI-COLLUSION STATEMENT

By signing this bid, the FSAM agrees that this bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and this bid is in all respects fair and without collusion or fraud.

Does your bid comply with this requirement?

Yes () No ()

3.0 TECHNICAL REQUIREMENTS CAB - CHASSIS

3.1 GENERAL VEHICULAR DESIGN, TYPES, AND FLOOR PLAN

The ambulance and the allied equipment furnished under this specification shall be the FSAM's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein. It shall be furnished with such modifications and attachments as necessary and specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and systems.

Does your bid comply with this requirement?

Yes () No ()

3.1.1

The ambulance shall be a Type III, Class I, and shall be a chassis furnished with a two (2) door conventional cutaway cab. The chassis shall be suitable for subsequent mounting of a modular (containerized), transferable equipped ambulance body conforming to the requirements herein.

Does your bid comply with this requirement?

Yes () No ()

3.1.2

The design of the vehicle shall utilize floor plan "A" loading arrangement of patients into the patient compartment. All litters shall be loaded into position with the heads of the patients forward in the vehicle.

Does your bid comply with this requirement?

Yes () No ()

3.2 VEHICLE COMPONENTS, EQUIPMENT, AND ACCESSORIES.

The emergency medical care vehicle, chassis ambulance body, equipment, devices medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, tested and certified, to meet this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and United States regulations

applicable or specified for the year of manufacture. The FSAM shall procure the chassis, components, equipment and accessories as specified and be the current technical data and materials of all suppliers.

Does your bid comply with this specification?

Yes () No ()

3.3 MATERIALS

Materials used in the construction shall be new and meet the quality conforming to this specification. Materials shall be free of defects.

Does your bid comply with this specification

Yes () No ()

3.4 VEHICLE OPERATION, PERFORMANCE, AND PHYSICAL CHARACTERISTICS

The following is a description of the cab and chassis that will meet the requirements of this specification. In addition, the chassis will comply with paragraphs 3.4.1 through 3.6.14 of Federal Specification KKK - A1822 - F.

Does your bid comply with this specification?

Yes () No ()

3.5 CHASSIS MANUFACTURER AND MODEL YEAR

The chassis shall meet the requirements of this specification. A 2017 Type III Ford , Braun, Chevrolet, or equivalentIt shall be a 2010 Ford. No parts or codes listed within this document shall be company or brand specific except when required by the safety standards and regulations relating to Emergency Ambulatory Vehicles as outines in the KKK - A1822 - FKKK - A1822 -F Revision.

Does your bid comply with this specification?

Yes () No ()

3.6 MODEL PHYSICAL CHARACTERISTICS

Vehicle: Type III AmbulanceEconoline

Body Style: Cutaway Dual Rear Wheel

Drive Train:	Rear Wheel Drive	
Min Model Number body code:	E450/158" wheel base	
Gross Axle Weight:	Front 5,000lb.	Rear 9,500 lb.
Gross Vehicle Weight	Rating 14,500 lb.	
Engine Type:	Triton V10 Gasoline or Diesel	
Min Wheelbase	158 or equivalent	
Displacement	6.8L	
Fuel System	Gasoline	
SAE net HP	305 @ 4250 RPM	
SAE net Torque	420 foot pounds @ 3250 RPM	
Wheelbase:	158 inches	
Transmission:	5 - speed Automatic, Electronic	
Rear Axle Ratio:	4:10	
Tire Size:	LT225/7516E, 2 front, 4 rear	
Spare Tire Size:	Regular fullsize	LT225/7516E
Wheels	All including spare, steel 16.0 x 6.0	
Brakes:	ABS System, Power Disc Brakes front and rear.	
Engine Block Heater: must include	Code 41H	
Alternators:	Dual 130 Alternators	
Batteries:	Dual, 72-AH, 650 CCA	
Fuel Tank:	Single 55 Gallon or equivalent, aft of rear axle	
Exterior Upgrade Package:	Code 18A	

Interior Upgrade Package: Code 18C

Dual Captains Chairs: Code 21A

Speed Control: Code 525

Ambulance Prep. Package: Code 47A

Steering: Power

Radio: Electric AM/FM Radio with CD
Motorola module radio programmed to service specifications
(for back)

Does your bid comply with specification?

Yes () No ()

3.7 ELECTRICAL GENERATING SYSTEM

The vehicle shall be equipped with the OEM supplied dual 130 ampere ampere (or greater) alternator.

Does your bid comply with this requirement?

Yes () No ()

3.8 ENGINE AUTOMATIC HIGH IDLE SPEED CONTROL

Shall be the OEM supplied high idle speed control.

Does your bid comply with this requirement?

Yes () No ()

3.9 DRIVERS COMPARTMENT

The driver's compartment shall be as required by paragraphs 3.9.1, 3.9.2, and 3.9.4 of Federal specification KKK-A1822-FK - A1822 - F as well as section 3.0 of this document. The cab shall be equipped with the chassis manufacturer's high back "captain chair" with arm rests. The safety restraint system for the driver and passenger shall be installed by the chassis manufacturer. Modifications or substitutions of the chassis manufacturers cab seats or restraint system will not be acceptable.

Does your bid comply with this requirement?

Yes () No ()

3.10 OUTSIDE REAR VIEW MIRRORS

The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least one hundred and twenty five square inches. The mirror shall be OEM with the following description: Telescopic Trailer Tow with LH/RH Power Adjust Flat Glass & Manual Adjust Convex.

Does your bid comply with this requirement?

Yes () No ()

3.11 LETTERING

Lettering and a reflective stripe shall be provided along with Diamond Grade dual color chevrons around the rear and side module doors. Exact lettering will be provided shall be upon acceptance of the bidXXXXX..

Does your bid comply with this requirement?

Yes () No ()

3.12 3.12 RUNNING BOARDS

Aluminum Star Punched/Gator Grip running boards shall be provided. A 4" LED light shall be mounted on the module body lower face to illuminate the running boards.

Does your bid comply with this requirement?

Yes () No ()

RADIO INSTALLATION

The following radios shall be installed prior to delivery according to specifications.

XXXXX.

Does your bid comply with this requirement?

Yes () No ()

3.13 HEATER HOSES

Nomex heater hoses shall be installed.

Does your bid comply with this requirement?

Yes () No ()

3.14 ENVIRONMENTAL SYSTEMS

The driver's compartment shall be furnished with the environmental package as set forth in section 3.6. This agency is committed to keep safe our staff and patients by technology available in today's market place. Therefore, it shall be incumbent for all FSAMs to provide the maximum protection from airborne pathogens and eliminate obnoxious odors that can create discomfort for staff and patients. The patient compartment shall be heated and air conditioned by the following method:

- The air conditioning and heating unit shall be accessible for service through a tilt out access panel in a dedicated environmental cabinet on the bulkhead.
- The air conditioning and heating system shall employ a three stage filtration system.
- The first stage filter shall be one hundred percent dacron fiber pre filter with an applied microbial system which destroys microorganisms with which it comes in contact.
- The filter shall remove particles ten microns and larger at thirty five percent efficiency.
- The second stage filter shall be activated charcoal dispersed over a fiber medium to assist in the removal of odors.
- The third stage filter shall be a high efficiency particulate air filter that removes particles of decimal three microns and larger at ninety nine decimal ninety seven percent efficiency.

The air delivery and return system must be a sealed system to not allow the passage of air other than through the three stage filter. The conditioned air shall pass through a multi-directional vent capable of dispersing high volumes of conditioned air at low velocity. This system must meet KKK - A1822 — F performance parameters 3.13.4 and 3.13.5. Testing must be certified with filters in place. The intake filters shall be located in the bottom left portion of the right front cabinet. The return air shall exit at the top of the right front cabinet. FSAMs shall submit drawings and testing documentation from an independent laboratory with this proposal.

An external air conditioning condenser shall be provided on the front of the module body for added cooling capacity. The condenser shall be painted to match the body color.

Does your bid comply with this requirement?

Yes () No ()

4.0 VEHICLE BODY AND PATIENT AREA

BODY ACCOMMODATIONS

The ambulance body and patient compartment shall be sufficient in size to meet the requirements of paragraph 3.10.1 of Federal Specification KKK - A1822 - F. The interior layout shall be such that a technician can administer life support treatments to at least one person during transport. The modular body shall be 170 inches in length and 95 inches in width.

Does your bid comply with this requirement?

Yes () No ()

4.1 PATIENT COMPARTMENT INTERIOR DIMENSIONS

Length: As measured from the bulkhead to the inside edge of the rear doors at the floor shall be at least one hundred and forty three inches. There shall be at least twenty five inches but not more than thirty inches of clear space at the head of the primary patient, measured from the face of the backrest of the attendant's to the forward edge of the style one cot.

Width: Shall be measured after the installation of the street side cabinets will be forty four and three quarter inches between the cabinet wall and the face of the squad bench.

Height: The patient compartment shall provide at least sixty six inches of height over the primary patient area from the floor to the ceiling.

Does your bid comply with this requirement?

Yes () No ()

4.2 GENERAL BODY CONSTRUCTION

It is the intention of this agency to specify a modular body that is constructed solely of aluminum including side skins, roof skin, all structural box tubing, corner and roof extrusions, tapping plates, gusset plates, retention plates, doors, door extrusions, sub structure moisture barrier and drip rails. The modular shall be engineered, built and warranted by the FSAM. This agency will not accept a proposal from a FSAM, as defined within this document, that supplies a modular from an agency, builder, supplier, other than the FSAM. This section shall be the construction parameters this agency has deemed as fair value. FSAMs that deviate from these specifications may take exception as set forth in section A1.1.2.

Does your bid comply with this requirement?

Yes () No ()

4.2.1

The exterior of the body shall be constructed utilizing a full six sided box framework with a combination of high strength 6061-T1 and 6063-T6 alloy aluminum and having an outer surface of aluminum sheet with a temper and alloy of 5052-H32 for strength, weld integrity and corrosion resistance. The front, sides, and rear of the modular shall be configured from a single sheet of 0.090 aluminum. The one piece sheets shall be used to maximize integrity against dust, toxic fumes, cracking, and moisture penetration. The openings for doors, warning lights and exterior compartments shall be cut on the horizontal plane with a computer controlled plasma cutter for accuracy and integrity of temper. The roof and side skins shall be installed utilizing a very high bond adhesive to allow absorption of vibration and to eliminate "panning". The skins shall be welded to the interlocking extrusion framework at the outer perimeter of the sheets by a programmable robotic welder using a MIG welding tip and Argon gas.

Does your bid comply with this requirement?

Yes () No ()

4.2.2

The roof shall be a single .090 sheet of 5052-H32 alloy aluminum. The roof sheet shall be completely welded to the extruded roof assembly. The use of multi-section roofs shall not be acceptable due to the possibility of cracks causing environmental intrusion.

Does your bid comply with this requirement?

Yes () No ()

4.2.3

The roof substructure assembly shall consist of four perimeter roof rail extrusions, lateral roof bows and interconnecting corner caps. The roof rail extrusions shall be engineered and designed by the FSAM and shall be double hollow of 6063-T6 .125 aluminum. An integrated roof recess shall be incorporated to create a smooth transition from the one piece roof sheet to the perimeter drip rail. The perimeter drip rail shall be extruded as a design feature of the roof rail extrusion. The roof rail extrusion shall overlay the side skin by one half inch. The roof sheet shall be seam welded to the perimeter roof extrusion. The lateral roof bows shall be two inch by two inch by .125 square extrusions of 6061-T6 alloy aluminum. The structural members shall be located to support the roof skin on fourteen inches between roof bows. The roof bows shall interconnect with the roof rails and be continuously welded at all contact points. The finished roof shall incorporate a machine rolled crown of not less than one and half inches in height to provide additional strength and allow water run off. A one inch by two inch by .125 6063-T6 extrusion shall be secured to the top of the vertical extrusions. The perimeter extrusion shall be welded to

the vertical structures with a minimum of six inches of weld. An industrial adhesive shall be applied around the perimeter before the roof assembly is mated to the sill. The roof structure shall be attached to the sill and welded. To insure a complete contact with the industrial adhesive mechanical fasteners shall be employed to cinch the roof structure to the sill.

Does your bid comply with this requirement?

Yes () No ()

4.2.4

The corner caps shall be designed to interlock with the roof perimeter, vertical corner extrusions and roof sheet. The corner caps shall be cast aluminum made from matched metal dies to insure a smooth and pleasing appearance. The caps shall act as a stress relief device to absorb energy and disperse the force along the roof extrusions in the event of a collision. The outer edge DOT lights shall be installed as described in section 5.1.

Does your bid comply with this requirement?

Yes () No ()

4.2.5

The corners of the modular body shall be designed and engineered by the FSAM and constructed of 6063-T6 alloy aluminum. The corner extrusion shall be double hollow with a minimum thickness of .125 and .250 at the outer corner. The extrusion is designed with a unique forty five degree angled appearance while maintaining very high strength and impact energy absorption. A polyurethane sealer shall be applied to seal the crevice between the corner extrusions and the side assemblies.

Does your bid comply with this requirement?

Yes () No ()

4.2.6

The side assemblies shall be reinforced utilizing 6061-T6 alloy aluminum two by two box tubing. The side structures shall frame a perimeter around all door openings and shall be a minimum of .125 in thickness. Intermediate skin stiffeners shall be located to preclude skin deformation. Additional gusset plates shall be .250 inch aluminum and shall be welded at all contact points between the corner assembly and the roof perimeter.

Does your bid comply with this requirement?

Yes () No ()

4.2.7

This agency is extremely concerned with purchasing a vehicle from a FSAM who can provide the necessary service after sale. Therefore, as previously stated the modular shall have a fifteen year warranty and be engineered, designed and built by the FSAM.

Does your bid comply with this requirement?

Yes () No ()

4.2.8

This agency is extremely concerned that the modular body be designed and built with the highest level of integrity and quality. Documentation and certification that the modular body being proposed meets Static Load Test Code for Ambulance Body Structure AMD Standard 001 must be included with this proposal.

This agency is committed to partnering with an ambulance manufacturing company that has programs in place for continual modular body safety improvements. To this end, this agency requires proof that ongoing safety testing and evaluation of modular body safety programs are in place. At a minimum, this agency requires, in addition to roof static load testing, side static load testing with a minimum side load of 22,700 lbs. In addition, dynamic modular body testing in the form of sled testing and drop testing will be required. Modular body drop testing will be at a minimum of 120 (one hundred and twenty feet). The modular body must be dropped in a manner that will simulate a front corner impact. All rear doors must operate to simulate extraction of patient and crew in the event of curbside door failure. Testing material must be available upon request of this agency.

Additionally, all welders employed by the FSAM shall be certified to the American Welding Society Standard AWS D12, and certification documents must be provided if requested.

All body welds shall not only be inspected by the FSAM but shall also be inspected by an outside engineering firm and said firm shall conduct another visual inspection and a dye penetration test designed to reveal any flaws or imperfections in the welds. Documentation on this process must be provided if requested. NO EXCEPTION.

Does your bid comply with this requirement?

Yes () No ()

4.3 VEHICLE BODY STRUCTURE

All parts of the ambulance body, as specified in paragraph 3.10.6 of Federal Specification KKK-A1822-F, shall, where applicable, be of welded construction. Where fasteners are used in such areas as hinge attachment, hardware attachment, etc., the fasteners shall be ceramic coated

aluminum and stainless steel. Any hole drilled into the modular body painted surface shall be coated with an ECK corrosion inhibitor prior to installation of the part. NO EXCEPTION.

Does your bid comply with this requirement?

Yes () No ()

4.3.1

Tapping plates of 6061-T6 alloy aluminum varying in widths of one quarter to one half inch shall be welded to the framing to secure the installation of equipment such as; cabinets, benches, partitions, cylinders, cot fasteners, etc. The body and panel joints shall be watertight and all openings between the chassis and modular shall be sealed. In addition a drip rail shall be supplied over each exterior compartment. The drip rail shall be attached in such a manner as to provide for quick and easy replacement. Drips rails attached by mechanical fasteners shall not be used.

Does your bid comply with this requirement?

Yes () No ()

4.4 BODY MOUNTING

The mounting system shall not cause any chassis frame deformation. There shall be ten mounting points, five on each frame rail. The modular body shall have full perimeter welded sill rails of one inch by two inch of 6061-T6 alloy aluminum and be attached to the vehicle utilizing one inch by three inch sill plates of 6061-T6 alloy aluminum. The modular body shall be welded to the sill plates at every exposed seam. At all outrigger mounting locations a double compression, neoprene rubber isolator mounts shall be used to minimize chassis vibration transfer to the modular body. The modular body and sill plates shall be attached to the frame rails using three quarter inch grade eight bolts. Any method contrary to QVM which may void the chassis warranty shall not be accepted.

Does your bid comply with this requirement?

Yes () No ()

4.5 FLOOR

The floor shall be at lowest level permitted by clearances, but not more than thirty three inches from the ground. The floor structure shall consist of two by two by .125 structural box section with 6061-T6 alloy aluminum. The floor structure shall be welded with eight inches of weld at every joint. The openings created for the placement of exterior compartments shall have six inches of weld to insure a smooth surface to fit the compartment in the structure. Tapping plates of one quarter inch and one half inch of 6061-T6 aluminum shall be completely welded both

sides to the floor assembly. The finished floor assembly shall be securely welded to the wall structures with eight inches of weld and skipped welded every four inches to the exterior compartments. All critical load points shall be reinforced with one quarter inch by three inch by four inch gusset plates. Above the floor channels there shall be an aluminum moisture shield .050 inches thick. The entire underside of the modular shall be sealed with a waterproof sealant. All hollow structural shapes or cavities shall be sealed utilizing an approved expandable foam.

Does your bid comply with this requirement?

Yes () No ()

4.5.1

The rear patient access shall be equipped with an exterior aluminum threshold mount to the lower door jamb. This threshold will protect the bottom door jamb, in addition the rear patient floor shall have a fourteen gauge stainless steel cot protector.

Does your bid comply with this requirement?

Yes () No ()

4.6 EXTERIOR STORAGE ACCOMMODATIONS

The exterior compartments shall be constructed of .090 aluminum and shall be formed by a computer controlled brake and shear to decrease the amount of welding to fully enclose the compartment. The compartment therefore, shall be water tight. The compartment shall be welded in place to the side and floor structure with an additional bracket welded to a bracket connecting the exterior wall two with the floor structure. The floor of the exterior compartments shall be at least two inches below the lower door frame lip to help prevent equipment from falling out should a door not be closed. The compartment floor shall be supported from beneath with one by two by .125 6061 T-6 rectangular tubing welded to the underside and the floor structure. All exterior compartments shall be vented above the floor line with machine stamp louvers. The exterior compartment shall be lockable with one key fitting all doors. The compartments shall be equipped with handle and door locks. Each exterior compartment shall be provided with a sealed light to be illuminated upon the door opening. The light shall be activated by a magnetic switch. A door open indicator light shall be visible on the driver's console. The compartment configuration shall be as described.

Does your bid comply with this requirement?

Yes () No ()

4.7 PATIENT COMPARTMENT SOUND LEVEL

Shall meet the requirements of paragraph 3.13.8 of Federal Specification KKK-A1822-F.

Does your bid comply with this requirement?

Yes () No ()

4.8 INTERIOR SURFACES

All vertical edges of cabinets shall be of an aluminum extrusion with a $\frac{3}{4}$ inch radius designed to free the interior of the patient's compartment of all sharp edges or projections. The face and inside of the cabinets shall be covered by a commercial grade laminate and adhered to the cabinet face by a high quality poly vinyl adhesive using a thermal press application. The wood, adhesive and laminate shall be pressed together at 200 degrees for four minutes in a thermal platen press. There shall be no voids of the adhesive between the laminate and the cabinet surfaces.

Does your bid comply with this requirement?

Yes () No ()

4.9 CABINET CONSTRUCTION

The interior cabinets, squad bench assembly, shelves and doors shall be constructed of Featherply plywood; due to the product's ability to be customized to fulfill the needs of this agency, the additional acoustical and thermal insulation properties, repair ability, and the safety factor of not producing sharp fragments or shards in the event of a serious collision. The thickness of the finished panels used to construct the cabinets, shelves and doors shall be $\frac{3}{4}$ inches including mica and adhesive. Any construction materials that provides anything less than $\frac{3}{4}$ inch panels in cabinet construction is not acceptable to this agency. NO EXCEPTION.

The squad bench lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The patient compartment wall panel (behind the squad bench) and the cab compartment wall panel shall be constructed of $\frac{1}{4}$ inch plywood and covered with color coordinating high pressure laminate.

The cabinets shall be constructed using 8 mm dowels placed no farther than 32 mm apart. The dowels shall be a hardwood and pre-glued.

The doors on the upper cabinets shall be surface mounted with European hinges and 3mm edge banding. The doors on the center and lower cabinets shall be flush mounted using continuous stainless steel piano hinge and a 3 mm edge banding. All doors and cabinet openings shall be covered with a 3 mm edge banding with radius edges.

Does your bid comply with this requirement?

Yes () No ()

4.10 INTERIOR STOWAGE ACCOMMODATIONS

The interior of the patient compartment shall provide but not be limited to a minimum volume of thirty cubic feet of enclosed cabinets. Interior cabinet, shelf and compartment space shall be conveniently located for medical supplies, devices or other equipment. All interior cabinets shall be fully lined inside with high-pressure plastic laminate. The equipment and supplies necessary for airway management shall be within easy reach of the medic at the head of the stretcher. Interior cabinet dimensions are as described.

Does your bid comply with this requirement?

Yes () No ()

4.11 CAB EXTENSION

The bulkhead cabinet shall be moved to the rear of the patient compartment to allow for 13 inches of cab seat travel.

Does your bid comply with this requirement?

Yes () No ()

4.12 INTERIOR HEADROOM

The interior headroom shall be a minimum of 68 inches.

Does your bid comply with this requirement?

Yes () No ()

4.13 COMPARTMENT A

Compartment A is the passenger side forward compartment. The door opening dimensions shall be a minimum of 46 inches high and 19.25 inches wide. There shall be a close out in the top half of this compartment.

Does your bid comply with this requirement?

Yes () No ()

4.14 RIGHT FRONT CABINET

The right front cabinet shall house the Heating and Air Conditioning unit. The intake vent shall be located in the lower left corner of the cabinet. The air shall blow out of a vent located in the upper portion of the cabinet. Cabinet E1 shall be the upper portion of the cabinet with dimensions 23.25 inches high and 33.25 inches wide and 22.25 inches deep. The lower E2 cabinet shall be located next to the intake vent and shall be 26.75 inches high and 20.5 inches wide and 22.5 inches deep. Both E1 and E2 shall allow access from exterior compartment A.

Does your bid comply with this requirement?

Yes () No ()

4.15 RIGHT FRONT CABINET DOORS

The right front cabinet shall have two wood doors. The door for the upper cabinet E-1 shall be a dual wood door, E-2 shall be the same and the door for the lower cabinet E-2 shall be hinged on the left. The doors shall be manufactured from 3/4 inch marine grade plywood and be covered in color coordinated high pressure laminate. The doors shall be mounted flush with the cabinet opening. A "C" pull handle shall be installed on each door on the right front cabinet. A plunger roller latch shall keep the doors secure during transit. There shall be a combination simplex lock provided on the top two doors.

Does your bid comply with this requirement?

Yes () No ()

4.16 COMPARTMENT B1

Compartment B1 is on the passenger side just behind the rear wheel. The door opening dimensions shall be a minimum of 19.25 inches high and 15 inches wide. The interior dimensions shall be a minimum of 22.5 inches high and 16.5 inches wide and 18.75 inches deep.

Does your bid comply with this requirement?

Yes () No ()

4.17 COMPARTMENT B2

Compartment B2 is the passenger side rear compartment. The door opening dimensions shall be a minimum of 76.75 inches high and 22 inches wide. The interior dimensions shall be a minimum of 80.0 inches high and 24.75 inches wide and 18.5 inches deep. There shall be a divider and three (3) adjustable shelves provided on the right side of the compartment with inside/outside access. The interior shall have a plexi door. Under the shelves shall be space provided for a stryker stair chair. The compartment door shall be panned out for additional space

for the chair. The left side of the compartment shall have space for three (3) backboards with a track to hold them in place.

Does your bid comply with this requirement?

Yes () No ()

4.18 SQUAD BENCH CABINET

The squad bench cabinet shall be located on the curb side of the patient compartment over the rear wheel well. The squad bench shall be a minimum of 72 inches long and be constructed of three quarter inch birch. The lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The hinge shall attach with fasteners in a vertical position through the face of the lid and not through the edge of the cabinet and lid. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The squad bench shall be furnished with three sets of lap safety belts for seated occupants and for the retention of a cot when positioned on the squad bench. The anchorages for the side facing seat belt assembly shall withstand a minimum of 2,500 pounds force when tested in accordance with FMVSS 210-S5.1. A full length cushion shall be installed on the squad bench lid and on the wall as a back rest. The interior of the squad bench shall provide storage.

At the head of the bench shall be an A-Bar provided with a sharps waste container. There shall be provisions there to mount an IV pump on the rail. There shall be an IV holder mounted to the squad bench wall to hang the IV bag.

In the door well shall be a storage area to house two (2) O2 cylinders. The cylinders shall mount under the forward section of the squad bench with an access door into the side door well.

Does your bid comply with this requirement?

Yes () No ()

4.19 SQUAD BENCH LID

The squad bench shall have a full length lid that shall be manufactured from three quarter inch birch. The lid shall be covered in color coordinating high pressure laminate. The squad bench lid shall be secured with a paddle handle that latches automatically when the squad bench lid is closed. The latch shall hold the lid secure during transit and shall not open unless the handle is lifted. When the squad bench lid is lifted, it shall be held in place by a mechanical hold open.

Does your bid comply with this requirement?

Yes () No ()

4.20 COMPARTMENT D

Compartment D is the driver's side rear compartment. The door opening dimensions shall be a minimum of 36 inches high and 32.25 inches wide. The interior dimensions shall be 38.75 inches high and 36.5 inches wide and 18.5 inches deep. This compartment shall house the vehicles spare tire mounted to the back wall. There shall be an adjustable shelf above the spare tire.

Does your bid comply with this requirement?

Yes () No ()

4.20.1 PULL OUT TRAY COMPARTMENT

There shall be a pull out tray compartment located above the rear streetside wheel well. The dimensions shall be as large as possible based on available space.

Does your bid comply with this requirement?

Yes () No ()

4.21 STREETSIDE REAR MIDDLE CABINET

Cabinet "H" shall be located on the streetside of the patient compartment. It shall be the rear most middle cabinet and shall be 20.75 inches high, 38.25 inches wide and 19.5 inches deep. The door to cabinet "H" shall be a Lexan slider. The Lexan shall be clear.

Does your bid comply with this requirement?

Yes () No ()

4.22 STREETSIDE MIDDLE CABINET

Cabinet "M" shall be located on the streetside of the patient compartment. It shall be the middle cabinet just forward of compartment "D" and shall be 7.25 inches high, 22.0 inches wide, and 19.5 inches deep. The door to cabinet "M" shall be a Lexan slider. The Lexan shall be clear.

Does your bid comply with this requirement?

Yes () No ()

4.23 TELEMETRY TRAY

The top of the telemetry cabinet shall provide a clean work area. The countertop shall be one

piece with a one inch lip around the tray. The tray shall be manufactured white ABS or poured epoxy.

Does your bid comply with this requirement?

Yes () No ()

4.24 STREETSIDE MIDDLE LOWER CABINET

Cabinet "O" shall be located on the streetside of the patient compartment. It shall be the middle lower cabinet just below cabinet "M" and shall be 15.0 inches high, 22.0 inches wide, and 19.5 inches deep. The door to cabinet "O" shall be a Lexan slider. The Lexan shall be clear.

Does your bid comply with this requirement?

Yes () No ()

4.25 CPR SIDE SEAT (if required)

A CPR side seat shall be located just above the rear streetside wheel well. Seamless upholstered cushions shall be located on the bottom and rear wall of the seat area. Cushions shall also be located above the head area for safety. There shall be no storage under the seat because of the exterior pull/out tray compartment. Above the CPR seat shall be a cabinet provided with a lift up plexi door.

Does your bid comply with this requirement?

Yes () No ()

4.26 STREETSIDE REAR UPPER CABINET

Cabinet "J" shall be located on the streetside of the patient compartment. It shall be the rear upper cabinet and shall be 13 inches high, 24.25 inches wide and 19.5 inches deep. The door to cabinet "J" shall be a Lexan slider. The Lexan shall be clear. Cabinet "K" shall be located on the streetside of the patient compartment. It shall be the rear upper cabinet just above cabinet "M" and shall be 13.5 inches high, 26.75 inches wide, and 19.5 inches deep. The door to cabinet "K" shall be a Lexan slider. The Lexan shall be clear.

Does your bid comply with this requirement?

Yes () No ()

4.27 COMPARTMENT E

Compartment E is on the driver's side just forward of the rear wheel. The door opening

dimensions shall be a minimum of 36 inches high and 39 inches wide. The interior dimensions shall be 38.75 inches high and 40.5 inches wide and 18.5 inches deep. The compartment shall have double doors.

Does your bid comply with this requirement?

Yes () No ()

4.28 ACTION AREA CABINET/CABINET BEHIND ATTENDANT SEAT

The action area shall provide for easy access to switches located in the action from the attendant seat, squad bench and CPR seat, if applicable. The switches shall be located in an angled cabinet on the back wall of the action area. At the head of the action area shall be a cabinet to house airway supplies with a plexi door and one shelf. The dimensions shall be 13" in height x 10" in width. There shall be a cabinet located behind the attendant seat full height for storage of linen and other equipment as space allows.

Does your bid comply with this requirement?

Yes () No ()

4.28.19 ACTION AREA TRAY

The top of the action area cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured ABS or poured epoxy. This tray is mandatory to facilitate cleaning and contain any fluids or bio.

Does your bid comply with this requirement?

Yes () No ()

4.28.2 COMPARTMENT F1/F2

Compartment F1 is the driver's side forward compartment. The door opening dimensions shall be a minimum of 18.80 inches high and 19.19 inches wide. XXXXX inches high and XXXXX inches wide. The interior dimensions shall be 18.30 XXXXX inc inches high and 18.51 XXXXX inches wide and 17.6 inches deep. This compartment shall house the add on electrical equipment such as the inverter/charger, etc. Compartment F2 shall be approximately 63.10 high, 19.19 wide, and 17.16 deep. This compartment shall house the main O2 tank H or M cylinder. There shall be a divider provided with a shelf above the O2 tank. 8.5 inches deep.

Does your bid comply with this requirement?

Yes () No ()

4.29 STREETSIDE FORWARD UPPER CABINET

Cabinet "L" shall be located on the streetside of the patient compartment. It shall be the forward upper cabinet just above the action area. The cabinet shall be divided into two separate cabinets "L1 and L2". Cabinet "L1" shall be 13.5 inches high, 11.5 inches wide, and 17.5 inches deep. Cabinet "L2" shall be 13.5 inches high, 25.25 inches wide and 17.5 inches deep. The door to cabinet "L1" shall be a solid wood door hinged on the right. A "C" pull handle shall be installed on the door with a plunger roller latch to keep it secure during transit. The door to cabinet "L2" shall be a Lexan slider. The Lexan shall be clear.

Does your bid comply with this requirement?

Yes () No ()

4.29.1 CABINET DIVIDER

A wood divider shall be installed in cabinetet XXXXX. The divider shall be covered in white high pressure laminate.

Does your bid comply with this requirement?

Yes () No ()

4.30 COMPARTMENT FINISH

The inside of all compartments shall be fully finished with a chip resistant, bacteriostatic, anti-fungal, mildew resistant sprayed urethane rubber finish.

Does your bid comply with this requirement?

Yes () No ()

4.31 BATTERY COMPARTMENT FINISH

The exterior battery compartment shall be manufactured using aluminum plate. The plate shall be 0.100 inches thick.

Does your bid comply with this requirement?

Yes () No ()

4.32 EXTERIOR COMPARTMENTS

The bottom of compartments B1, B2, D and E shall drop down 3 inches from the door opening for maximum storage space in the compartment. The bottom of compartments A and F shall be flush with the door opening to provide for a sweep out design.

Does your bid comply with this requirement?

Yes () No ()

4.33 DOORS

The outer face of the door and door edges shall be formed from one sheet of 5052-H32 aluminum. The door shall be flush with the body side. The outer skin shall be 0.125 inches thick and shall be adhered to the inner door frame using a two part epoxy.

The inner door frame shall be a .125"/.250" thick 6063-T6 aluminum extrusion. The extrusion shall extend around the entire inner perimeter of the door skin.

Both patient compartment and exterior compartment doors shall be provided with extruded rubber seal system consisting of a hollow cell bulb gasket. The gasket shall insert into an appropriately designed groove in the inner door extrusion. This will provide the best seal possible. Glued on seals or seals that are mounted to the compartment openings are unacceptable as they will easily be torn by loading or unloading of equipment stored in the compartment.

All doors shall be attached using minimum 1/4-20 stainless steel hex bolt with electro polished stainless steel piano hinges with a pin of at least 0.250 inch in diameter. The hinge must be slotted to provide field adjustments. An ECK corrosion inhibitor shall be applied to the door frame and jamb bolt holes prior to installing the hinge.

All compartment doors shall be constructed the same as the entry doors. To ensure continued door alignment and successful latching capabilities, all access doors must be encased by a door jamb that is flush to the modular body skin with no exposed seams. It shall be welded to the 2" x 2" tubular body frame members. The door jamb shall be a 0.125"/0.210" thick 6063-T6 aluminum extrusion. To insure consistent fit and uniformity the door frames and jambs shall be cut, drilled and tapped utilizing NCN saws and milling machines. In addition, the compartment doors on the module body shall be true fit to the door jambs, and then later installed on the body. The fitting, prior to installing shall further ensure the correct alignment of the door to the door frame.

The interior surface of the patient compartment entry doors (rear and curb side) shall be finished in stainless steel panels attached to the door frames utilizing caged nuts and machine thread, ceramic coated, stainless steel fasteners. Black rubber washers will be used on all inner door upper and lower panels. The door panels shall be designed to allow removal without disturbing the door latching hardware. Door panels must be flush fitting not overlay. Doors using pliable materials such as upholstery are prohibited due to greater risk of contamination by blood borne pathogens through stitching or when cut or torn.

All door paddle handles latches shall be TriMark 9" full floating ergonomic handles with 1008 cold rolled steel mechanical components. All ear components will be Nitrotec treated. Maximum release effort will be 35lbs on 2 point system. Trailing door handles mechanism shall be inset in to the vertical outside edge of the trailing door. This trailing door handles shall be yellow rubber coated for visibility.

When the doors are opened, the hinges, latches and door checks shall not protrude into the access area. All patient compartment doors shall employ the same type locking hardware. All door latches shall comply with requirements of FMVSS 206.

The locking devices shall be two-stage rotary latches and shall be FMVSS 206 certified. Where applicable, there shall be two door latches, one at the top and one at the bottom, controlled by a single locking handle. The latches shall lock into an adjustable "Nader" type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate. The locking system shall be actuated from the locking handle by metal push rods.

All modular body entrance doors shall be equipped with emergency over ride lock release latches. Each door shall have an upper and lower over ride lock release lever coated with high visibility yellow rubber.

The compartment and entry door shall be painted separately from the modular body. The doors shall then be installed on the painted module. An ECK corrosion inhibitor shall be applied to the door frame and jamb painted extrusion prior to installing the doors to provide a barrier between the hinge and the paint.

All entry and compartment doors shall be insulated with 2-1/2" thick closed cell block foam insulation.

Does your bid comply with this requirement?

Yes () No ()

4.34 STEP WELL AND WINDOWS

The curb side door step well shall have a light recessed into wall one of the step well. It shall be automatically lit when the side and rear doors are opened. The light shall be activated by a switch. The step well shall be finished with a polished aluminum diamond plate. There shall be a window in each of the three patient access doors. The window fra-me shall be of an extruded aluminum design with a protective anodized finish. The curbside entry door window shall include a sliding window to allow for fresh air when needed. The two rear door windows shall have fixed glass.

The curbside window shall have the following dimensions: 26 1/2 inches high and 19 1/2 inches wide. The rear windows shall be 22 1/2 inches high and 13 1/2 inches wide. There shall be a window above the squad bench with a minimum size of 12" X 18".

Does your bid comply with this requirement?

Yes () No ()

4.35 FUEL FILL HOUSING

A cast aluminum fuel fill housing shall be installed according to the chassis manufacturers instructions. Below the housing shall be a stainless steel plate to protect the paint from fuel spills.

Does your bid comply with this requirement?

Yes () No ()

4.36 EXTERIOR COMPARTMENT SHELVES

The exterior compartment shelves shall be manufactured from 0.125 inch aluminum. Each shelf shall have a 0.125 inch thick ribbed rubber mat. Shelves per compartment shall be as follows:

Compt A:	21
Compt B1:	0
Compt B2:	30
Compt D:	10
Compt E:	20
Compt F:	10

The shelf track shall be heavy duty extruded aluminum.

Does your bid comply with this requirement?

Yes () No ()

4.37 EXTERIOR ELECTRICAL SHELF

An exterior shelf shall be located in compartment "E" near the top of the compartment. It shall serve the sole purpose of holding electrical equipment.

Does your bid comply with this requirement?

Yes () No ()

4.38 PATIENT ENTRY DOOR LATCHES, HINGES AND HARDWARE

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All patient doors shall employ the same type of locking hardware as stipulated in 4.33. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. Where necessary, there shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles.

The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate. The locking system shall be from the locking handle by aluminum push rods. The door handles on all patient doors shall be a paddle handle. The door handle shall be mounted to the exterior door panel using mechanical fasteners and rubber gaskets that will eliminate the possibility of electrolysis. The patient compartment doors will be equipped with an inside door lock. All entry doors shall be lockable with same key. All entry doors shall have horizontal aluminum reinforcements welded to the door frame and the entry doors shall have closed cell block foam insulation. The handles shall be keyed with a #J236 key.

Does your bid comply with this requirements?

Yes () No ()

4.39 COMPARTMENT DOOR LATCHES, HINGES AND HARDWARE

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All compartment doors shall employ the same type of locking hardware. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. Where necessary, there shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate. The locking system shall be from the locking handle by aluminum push rods. The door handles on all compartment doors shall be a flush fitting stainless steel paddle style as described in 4.33. The door handle shall be mounted to the exterior door panel using mechanical fasteners and rubber gaskets that will eliminate the possibility of electrolysis. All doors shall have closed cell block foam insulation. The handles shall be keyed with a J236 key. The side and rear entry doors shall be provided with power locks and they shall be wired to the OEM powerlock switches in cab.

Does your bid comply with this requirements?

Yes () No ()

4.40 REAR DOOR HOLD OPENS

The rear doors shall be held open by 25.5" Cast Products ""Grabber"" door hold-opens. The U shaped piece shall be attached to the rear doors top. It shall enter into a rubber insert when the doors are in the open position. An ECK corrosion inhibitor shall be applied to the mounting holes prior to installation.

Does your bid comply with this requirement?

Yes () No ()

4.41 Reserved

4.412 REAR FENDERS

Rubber fenderettes shall be provided around the rear wheel well openings to provide protection from wheel wash. An ECK corrosion inhibitor shall be applied to the mounting holes prior to installation.

Does your bid comply with this requirement?

Yes () No ()

4.423 BUMPERS AND STEPS

The chassis manufacturer shall supply the vehicles front bumper. The rear bumper and step assembly shall be a single unit constructed of ten-gauge steel "C" formed channel and .100 inch thick aluminum tread plate as measured at the thinnest point of the tread plate. The center step of the bumper assembly shall be designed to allow it to flip up and out of the way to facilitate patient loading. The flip up section of the rear bumper shall be an open grate material to meet the requirements of KKK-A1822-F specification. A stainless steel hinge with a center pin of .250 inch shall be used to attach the flip up section of the rear step to the main rear bumper assembly. This bumper assembly shall be bolted to supports that have been welded to the chassis frame. There shall be eye beam constructed skid plates with tow eyes mounted as part of the frame of the bumper. This assembly shall be bolted to the frame of the chassis with 5/8 inch Grade 8 bolts. There shall be a three inch red marker light on the street side and curb side of the bumper assembly. These lights shall be a sealed unit and the connectors protected with an adhesive heat shrink. The lights shall flash with the turn signals and shall illuminate with the vehicle head light control. There shall be a one half inch clearance between the bumper assembly and the rear of the modular body to allow water drainage and inhibit water collection. Above the rear bumper and below the rear doors, there shall be a full length riser of aluminum diamond plate for a protective kick panel. The kick panel shall be securely fastened with ceramic coated stainless steel screws to inhibit rust that could result from electrolysis and run the full rear width of the module. Pop rivets are not acceptable. There shall be two (2) wide rubber bumper docks provided on the face of bumper for additional protection.

Does your bid comply with this requirement?

Yes () No ()

4.44 SKIRT RAILS

Lower body rub rails shall be extruded aluminum, 2" wide X 1" high with 45 degree beveled ends. The extrusion will accept an extruded black rubber insert, 1.710" wide X 1.100" tall. The extruded rubber insert shall have a channel designed to accept a 1.125 vinyl strip on the outer most surface of the extruded rubber insert. This vinyl strip will have 3M reflective tape applied

to the outer exposed surface. The extruded rub rails shall be installed on the lower sides of the modular body using stainless steel fasteners and rubber spacers between the rail and body.

Does your bid comply with this requirement?

Yes () No ()

4.45 FRONT STONE GUARDS

The lower front corners of the patient compartment shall have stone guards attached to the corner extrusion. They shall be diamond plate aluminum and extend from the bottom edge of the corner extrusion up approximately 24 inches. (bottom of beltline upper stripe)13 inches.

Does your bid comply with this requirement?

Yes () No ()

4.46 REAR KICK PLATE

Above the rear bumper and below the rear doors, there shall be a full length riser of aluminum diamond plate for a protective kick panel. The kick panel shall be securely fastened with ceramic coated stainless steel screws to inhibit rust that could result from electrolysis and run the full rear width of the module. Pop rivets are not acceptable. There shall be a recess in the center of the kick plate for the rear license tag.

Does your bid comply with this requirement?

Yes () No ()

4.47 SPARE TIRE MOUNTING

The spare tire shall be mounted with brackets in compartment Dent XXXXX.

Does your bid comply with this requirement?

Yes () No ()

5.0 PREPARATION FOR PAINTING, COLOR AND MARKERS

All bare aluminum shall be coated with a corrosive resistant self etching primer. An auto-motive urethane sealer shall be used as well as an automotive urethane topcoat. The primer, sealer, and topcoat shall be a minimum of three point three mils thick. A small amount of body filler may be used to smooth imperfections in the aluminum. Colors and markings will be determined by this agency. The vehicle shall meet salt spray resistance and vehicle undercoating as set forth in paragraph 3.16.3 and 3.17 respectively of Federal Specification KKK-A1822-F.

The compartment and entry doors shall be painted separately from the modular body. The doors shall then be installed on a fully painted module. NO EXCEPTION

The ambulance shall be painted white to match OEM chassis color (PPG). There shall be two (2) 8" purple Metallic stripes provided, one beltline and one (1) lower stripe. Both stripes shall be (PPG53206) Above the beltline stripe shall be 6" scotch lite stripe design to be determined. paint scheme shall be as follows: XXXXX.

Does your bid comply with this requirement?

Yes () No ()

6.0 ELECTRICAL SYSTEMS AND COMPONENTS

The emergency medical vehicle's electrical system must meet KKK - A1822 - FKKK - A1822 -- F Section 3.7.1. This agency will specify systems, components, materials, and production methods within this section. However, failures can occur whether the vehicle is under warranty or outside the warranty parameters. This agency operates the vehicle on a twenty four hours a day, seven day a week (24/7) basis. Therefore, the FSAM will provide a local service facility during regular business hours and a 24/7 support service staffed by trained technicians to assist this agency.

Local service facility _____

24/7 Service assistance, phone number _____

Does your bid comply with this requirement?

Yes () No ()

6.1

The driver and patient compartment control consoles shall be constructed in a way that the switches and any gauges are easily serviced. They shall be accessible through service panels. These panels will be secured in the closed position in a positive manner, yet can be easily opened for service.

Does your bid comply with this requirement?

Yes () No ()

6.1.1

The control console gauges shall be internally illuminated and controlled by the headlight switch rheostat. All lights and fixtures installed on the module exterior shall be fastened to the modular body using stainless steel fasteners and nylon expanding inserts. The holes for the nylon expanders shall be present in the aluminum panels prior to painting the modular body. NO EXCEPTION.

Does your bid comply with this requirement?

Yes () No ()

6.1.2

The driver and patient console shall incorporate full size "Euro-Style" rocker switches. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The rocker switch shall incorporate a LED indicator lamp and rated at 15 Amps continuous service. The switch and rocker shall be of a thermo set molding material. The complete switch assembly shall be designed to withstand one thousand (1,000) volts RMS dielectric test. The switches shall have a positive "throw" feel and an audible click upon activation and deactivation

Does your bid comply with this requirement?

Yes () No ()

6.1.3

The rocker switches, as described in section 4.1.3, shall have integrated label lens area that is illuminated by two independent LED's. The LED brightness shall be controlled by the headlight rheostat. The label shall be white legends on black poly carbonate background.

Does your bid comply with this requirement?

Yes () No ()

6.2 WARNING INDICATORS

The electrical system shall incorporate a warning light panel in the driver's console. It shall provide indicator lights for showing, a patient compartment door(s), side and rear, are open. This shall be a flashing red LED light. There shall be an exterior compartment "door open" warning light. This shall be a flashing red LED light of the same size.

Does your bid comply with this requirement?

Yes () No ()

6.2.1

A battery indicator light shall be provided. It will be a green light located in the warning light panel. It shall illuminate when the battery switch is in the "ON" position. The light shall be steady burn to indicate the batteries have been selected.

Does your bid comply with this requirement?

Yes () No ()

6.3 WIRING INSTALLATION

The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. Wiring methods must conform to SAE J1292. All wiring provided by the FSAM shall be copper and conform to all the SAE J1127 and SAE J1128 requirements. All low tension primary cable shall have GXL or better insulation. All low tension battery cable shall have SGX insulation. Documentation from the wiring manufacturer that the wire used by the FSAM is in compliance with this requirement shall be submitted with the proposal. Bids not meeting this requirement will not be accepted.

Does your bid comply with this requirement?

Yes () No ()

6.3.1

The wiring shall be permanently color coded to identify wire function. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the descriptive name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of four inch intervals the entire length of the wire terminating into all switch and control panels. The use of multi-conductor cable must be function and color coded and shown on the wiring diagram.

Does your bid comply with this requirement?

Yes () No ()

6.3.2

Wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit where necessary to protect it. All added wiring shall be located in accessible, enclosed, and protected locations and kept at least six inches from the exhaust system components. Electrical wiring and components shall not terminate or be routed in the oxygen storage compartment except for the oxygen controlled solenoid, compartment light, and switch plunger. All conduits, looms, and wiring shall be secured to the body or frame with insulated metal cable straps in order to prevent sagging and movement which results in chafing, pinching, snagging or any other damage. All apertures on the vehicle shall be properly grommets and sealed for passing wiring and conform to SAE 1292. All items used for protecting or securing the wiring shall be appropriate for the specific application and be standard automotive, aircraft, marine, or electronic hardware.

Does your bid comply with this requirement?

Yes () No ()

6.3.3

Circuit connections shall be made on barrier style terminal blocks utilizing binding post screws for positive mechanical connections. To minimize the potential for wiring shorts and voltage drops all wiring terminals shall be brass, tin plated, annealed, ETP copper with nylon high heat insulation. Serrations, inside the barrel, provide maximum contact and tensile strength after crimping. Connection shall be machine crimped, to UL standards, with a high quality crimping tool that produces crimps for a given size wire and terminal that are precisely alike in appearance and performance. Crimping pressure must be controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of an automated machine. Crimping pressure can neither over-stress nor under stress the terminal-barrel-machined dies. Therefore, this agency requires a termination that is free of contamination and is extremely resistant to shock and critical environment conditions.

Does your bid comply with this requirement?

Yes () No ()

6.3.4

No splices shall be permitted except for connection of "pig-tail" devices. Butt splices are permitted for connection of "pig-tail" devices. The use of IDC (Insulation Displacement Conector) connectors, i.e.: "3M Scotchlok" type fasteners, is not acceptable.

Does your bid comply with this requirement?

Yes () No ()

6.3.5

The various wiring installations as supplied with this vehicle shall be of the automotive "harness" design. For ease of identification and future replacement these harnesses shall be engineered and manufactured in the following sections.

1. Engine compartment harness.
2. Driver's control console harness.
3. Main module harness.
4. Chassis rear lighting harness.

Does your bid comply with this requirement?

Yes () No ()

6.4 WIRING CRITERIA AND CIRCUIT BOARD

All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry a minimum of one hundred and twenty-five percent (125%) of the maximum ampere load for which the circuit is protected. All wires carrying a load of more than 5 amperes shall be a minimum of 16 AWG. There shall be a master electrical component panel located in the vehicle. It is preferred that the master panel be mounted on or near the bulkhead of the patient compartment. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit board that is easily accessible. All components on the circuit board are to be permanently labeled as to their function.

Does your bid comply with this requirement?

Yes () No ()

6.4.1

The printed circuit board shall be designed and manufactured as follows: A screen printed board with all circuits fully numbered and labeled. The circuit board shall be a double-sided copper trace printed circuit with a double-sided laminated isolator. The board shall be non photo image able solder mask over bare copper with hot air leveled solder over non masked copper. Fuse capacity is the beginning factor in calculating trace width to ensure proper current carrying capability. The circuits shall then be oversized as much as space permits for maximum cooling of the board. All holes shall be plated through. The terminal strips shall be mounted on the board for connection of the above mentioned wiring harness. Automotive transient suppressers must be incorporated into circuit board at the point of cable entry to the board. All relays must include built in noise suppression. The suppression must be accomplished with a IN4001 parallel with the coil. The relay must have a 40 ampere continuous contact rating with one form C contact arrangement. Normally open contact must have a maximum initial voltage drop of 200 millivolts at 40 ampere contact load. The relays must withstand 24 VDC for five minutes conducting rated contact current in case of accidental 24 volt jump start condition. Circuit board options

must be programmable via jumpers to facilitate addition of options. The color of wire and circuit number must be screened printed at the terminal block connections on the board for rapid identification and relation to schematics.

Documentation that the above requirements are met must be included with the bid document.

Does your bid comply with this requirement?

Yes () No ()

6.4.2

The printed circuit board shall incorporate red LED indicators for on board diagnostics for input, output, and switching circuits for troubleshooting at a glance.

Does your bid comply with this requirement?

Yes () No ()

6.5 CIRCUIT BOARD CERTIFICATION

The printed circuit board must meet the following specifications:

1. Packaging and Interconnecting Acceptability Standard number IPC 600
2. UL-796
3. Solder mask, IPC number SM-840
4. Solder in conformance with MIL SPEC QS-571
5. Laminate in conformance with IPC number 4101

Certification must be included with this bid.

Does your bid comply with this requirement?

Yes () No ()

6.5.1

A service loop of wire or harness, per KKK - A1822 - F specification, shall be provided at all electrical components, terminals, and connection points. All relays shall be mounted for ease of serviceability. All high current diodes greater than 5 amperes shall be heat sink mounted. To provide the optimum circuit "overload" protection, the electrical system's main circuit board shall allow for the use of stud type automatic reset pole breakers. One spare 15 ampere circuit breaker shall be provided for future use. A solid state electronic flasher shall be heat sink mounted to the panel for control of the flashing warning light system. All wiring between the cab and module shall be connected to a terminal strip(s) or block(s) or use multi pin connectors on

the electrical component panel and shall provide for future module replacement. All connectors and terminals provided shall comply with SAE J163, J561, or J928 as applicable.

Does your bid comply with this requirement?

Yes () No ()

6.6 MASTER MODULE DISCONNECT SWITCH OR DEVICE

This device shall be located on the driver's compartment console and shall be permanently labeled and back lit with a LED light and the brightness controlled by the head light rheostat. The "MASTER" disconnect switch shall be considerably different in size and feel from the other console switches.

Does your bid comply with this requirement?

Yes () No ()

6.7 PATIENT COMPARTMENT CONTROLS

All switches and controls for the patient compartment shall be located on a service panel in the Action Area angled slightly toward the rear of the vehicle. The patient console is described in section 4.1.3. The switches and controls shall be identical as referenced in section 4.1.3 of this document. These switches shall not function until the "MASTER" switch in the driver's console is in the "ON" position. The patient compartment switches shall be permanently marked and back lighted by a LED light.

Does your bid comply with this requirement?

Yes () No ()

6.8 ELECTROMAGNETIC RADIATION AND SUPPRESSION

Must meet KKK - A1822 -- F specification. Documentation from an independent testing laboratory must be included with the bid.

Does your bid meet this requirement?

Yes () No ()

6.9 BATTERY SYSTEM

Battery cables shall be a minimum 2/0 AWG or as supplied by the chassis manufacturer. If the

batteries are relocated other than the factory location, cables shall be upgraded to a minimum 3/0 AWG. This is required to maintain compliance with SAE J541 specification for starter motor circuit voltage drop for heavy duty applications. **All FSAMs must meet this specification.** All Cables larger than 10 AWG shall be pneumatically or hydraulically crimped utilizing tin plated copper connectors. This connection must be covered with an adhesive lined heat shrink to permanently seal against weather.

The vehicle shall be supplied with a dual 12 volt battery system. Two OEM batteries shall be in the right front lower compartment. This compartment shall be isolated from the patient compartment. The batteries shall be activated through the OEM ignition switch. The ignition switch shall only turn off power to the module and not to the chassis. An emergency fail-safe switch shall be mounted in the cab console. The battery system shall be wired in accordance with KKK - A1822 - Fand current Ford Motor QVM specifications. The system must meet SAE J541 for starter circuit voltage drop.

Does your bid comply with this requirement?

Yes () No ()

6.10 ANTENNA CABLE INSTALLATION

Shall meet the requirements of paragraph 3.14.3 of Federal Specification KKK-A1822-F. (Total of five (5) with access plates in the module box ceiling).

Does your bid comply with this requirement?

Yes () No ()

6.11 INTERNAL 12 VOLT DC POWER

The patient compartment shall be furnished with a five (5) 12 volt DC, 20 ampere capacity, separately protected circuit, with two outlets. The outlets shall be Cigar Lighters and shall be located in the Action Area, squad bench, from wall cabinets, and left of CPR seat..

Does your bid comply with this requirement?

Yes () No ()

6.12 POWER SOURCE

Five (5) 110 volt power sources shall be provided at the same locations as the 12 volts. It shall be 20 amp and ignition switch hot. Seven (&) dual USB outlets shall be provided at the same locations as 12 volts and 110 volts plus one (1) on each side of the front radio console. A 12VDC power source shall power XXXXX. It shall be 20 amp and ignition switch hot.

Does your bid comply with this requirement?

Yes () No ()

6.13 SHORELINE INLET

A 2015 amp auto eject shoreline inlet with a GFI shall be installed and located next to compartment F1 streetside of module body. There shall be kussmaul easy plate provided.XXXXX.

Does your bid comply with this requirement?

Yes () No ()

6.14 115 VOLT AC UTILITY POWER

115 volt AC utility power must meet KKK - A1822 - F. Utility power shall be as described in KKK - A1822 - F paragraph 3.7.8.1. Electrical 115 volt AC receptacles shall be as described in KKK - A1822 — F paragraph 3.7.8.2.

Does your bid comply with this requirement?

Yes () No ()

6.15 110 VAC OUTLETS

Two 110VAC duplex outlets shall be installed in the patient compartment. One outlet shall be located in the action area, and one outlet shall be located in the right front cabinet.

Does your bid comply with this requirement?

Yes () No ()

6.156 ACTION AREA CONSOLE

There shall be a console in the action area of the rear patient compartment to house the switches. The console shall be manufactured out of 3/4" birch wood and be angled so that the switches will be easily accessible to an EMT in the attendant seat or a CPR seat.

Does your bid comply with this requirement?

Yes () No ()

6.167 INSTRUMENT CONSOLE

A console shall be installed to house the switching panel and radio installation. This console

shall be attached to the engine cover housing below the line of sight of the driver. The console shall be a rotationally molded one piece ABS console. An access panel shall be installed on the top of the console to facilitate servicing. The switches shall be full size rocker switches with LED on the indicators. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The switch and rocker material shall be a thermal set molding material. The complete switch assembly will be tested to withstand one thousand (1,000) volts RMS dielectric. Documentation of switch testing shall be included with the bid. The switches must have a positive "throw" feel and an audible "click" upon activation. There shall be space provided for two (2) cup holders and three (3) dividers for map books and binders. On each side of the front console shall be dual USB outlets and one (1) 110 outlet.

Does your bid comply with this requirement?

Yes () No ()

6.178 AMMETER

The electrical system shall incorporate an analog center scale ammeter to be similar to the analog display gauges of the OEM chassis manufacturer. The ammeter shall be capable of indicating a current of 300 amperes to or from (charging or discharging) the dual batteries. The ammeter shall incorporate an external shunt which does not exceed 100 millivolts at maximum current. The ammeter and shunt shall have a combined accuracy of approximately ten percent of the full scale reading. It shall be back lighted with the brightness controlled by the headlight rheostat. The shunt shall be protected against physical damage, weather and road spray and shall be mounted in an easily accessible location which shall minimize the length of the power cables. Note to FSAMs: Only electro-dynamic ammeters shall be accepted due to their accuracy and durability.

Does your bid comply with this requirement?

Yes () No ()

6.18 6.19 GLOVE STORAGE AND DIGITAL CLOCK

There shall be storage for three (3) glove boxes over the side entry door and two (2) over the rear doors one (1) each side of a digital clock. Size 10.5 X 4.5 X 5.5. There shall be a large face digital clock with seconds display over the rear interior doors. (centered) Reserved

6.1920 SIREN, PUBLIC ADDRESS SYSTEM

The ambulance shall be equipped with hands free electronic siren with silent testing. The siren shall be a Whelen 295HFSA7WS-295-. Two Whelen or equal Two one hundred watt speakers shall be installed behind the front chasis grille.outside the vehicle mountedin the outer wings of the front bumper. The speakers shall be Cast Products model SAD/P3806.

Does your bid comply with this requirement?

Yes () No ()

6.201 SIREN/HORN SWITCHING

The siren shall be switched through the horn ring.

Does your bid comply with this requirement?

Yes () No ()

6.212 BACKUP ALARM

A backup alarm without a cut off switch shall activate when the vehicle is shifted into reverse. The device must meet OSHA and SAE J994 requirements, and shall be rated (SAE) for Type C or B.

Does your bid comply with this requirement?

Yes () No ()

6.223 VEHICLE EXTERIOR LIGHTING REQUIREMENTS

The basic exterior ambulance lighting shall comply to FMVSS standard number 108 and the requirement herein and include: (LED Lighting)

1. Amber front, rear directional signals, red brake and hazard warning lights.
2. Front and rear side marker lights.
3. Back up light(s).
4. Loading lights.
5. Clearance lights
6. Ambulance emergency lights.
7. Flood lights.
8. Spotlight(s)

Note: This agency is concerned for the safety of the patients, crew, and the public sharing the roadways. Therefore, this agency requires the FSAM to incorporate recessed LED DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition each corner marker light shall be visible 180 degrees, also at each corner the marker light lens cover shall be tilted upward on a 45 degree angle to be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. **Bolt on upper clearance lights or clearance lights within the support side extrusions will not be acceptable.** The rear side marker light

shall be a minimum of two inches in diameter and shall function as a turn signal indicator as described in KKK - A1822 - F.

Does your bid comply with this requirement?

Yes () No ()

6.234 EMERGENCY LIGHTING SYSTEM

The emergency lighting system must provide the vehicle with 360 degrees of visual warning ability. The system must display highly perceptible and attention getting signals that function in a modal system and convey the message in the primary mode to clear the right of way. In the secondary mode hazard vehicle stopped on right of way.

Does your bid comply with this requirement?

Yes () No ()

6.23.14.1

The basic warning light system shall contain twelve red, one clear and one amber light These lights shall function in a dual mode system as shown in KKK-A1822-F and meet the physical and photo metric requirements of paragraph 3.8.2.1 of that same document. The upper body warning lights shall be identical and mounted at the extreme upper corner areas of the ambulance body below the horizontal roof line, with the single clear light mounted between the two front facing red upper corner lights and the amber light centered above the rear doors. The two red grill lights shall be mounted per KKK-A1822-F specifications without compromising the chassis manufacturer's air intake into the engine compartment.

Does your bid comply with this requirement?

Yes () No ()

6.245 PHOTO METRIC AND PHYSICAL REQUIREMENTS

As specified by KKK-A1822-F. All emergency light switches shall be labeled as specified in paragraph 3.7.11 of KKK-A1822-F, and the primary/secondary mode switch(s) shall have an indicator light to show the driver which mode is activated. All warning light control switches, as described in section 4.3.1 of this document, shall be located in the driver control console and arranged to provide the warning signal modes and combinations as specified in Table 1 of KKK-A1822-F, page 19. An independent testing laboratory will certify that the system meets these requirements. Test documents to be included with this proposal.

Does your bid comply with this requirement?

Yes () No ()

6.256 WARNING LIGHTS

The following Warning Light package shall be installed on the patient compartment module. The lights shall be Red Whelen LED 900 series warning lights with chrome bezels. Halogen 90F000RB warning lights.

- (2) each side, upper corners
- (2) on front, upper corners
- (2) on rear, upper corners
- (2) front face next to KKK light
- (2) Red/White split next to front face corner lights
- (2) rear window level
- (1) blue rear window level
- (1) amber rear window level

Does your bid comply with this requirement?

Yes () No ()

6.26.1

A Whelen 900F000CB White LED Halogen light shall be installed in the front upper center of the patient compartment module. A Whelen 9000F000AB Amber LED Halogen light shall be installed in the rear upper center of the patient compartment module. Four Two Whelen 3 series 70 F000RB Red LED Halogen lights shall be installed as grille lights. Four Whelen 700 series LED lights shall be installed as intersections light and rear grille lights. Whelen flanges shall be installed on the intersection lights. All lights shall have chrome bezels. There is three (3) Whelen ion series Red/Amber lights installed near the top of the rear module entry doors (Interior) to flash when doors are open. and two shall be installed as intersections lights. Whelen flanges shall be installed on the intersection lights.

Does your bid comply with this requirement?

Yes () No ()

6.27 CLEARANCE LIGHTS

The FSAM shall incorporate LED DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition, each corner marker light shall be recessed and visible 180 degrees. Also at each corner, the marker light lens cover shall be tilted upward on a 45 degree angle to be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. Bolt on upper clearance lights or clearance lights within the support corner extrusions will not be acceptable. Amber lenses shall be installed on the front corners and Red lenses shall

be installed on the rear corners. Three red clearance lights shall be installed on the rear roof rail. Three amber clearance lights shall be installed on the front roof rail. There shall be two (2) Whelen 600 series arrow directional lights installed on the face of front module body below the corner 900 series red emergency lights. There shall be 2 Whelen 700 series red LED lights installed on each module side body rear compartment doors to function as side KKK directional and running lights.

Does your bid comply with this requirement?

Yes () No ()

6.28 EXTERIOR FLOOD LIGHTS

Four Whelen 900 series LEDK000YB Halogen Clear lights with a 13 degree angle shall be installed. Flood and loading lights shall not be less than seventy-five inches above the ground and shall not be obstructed by open doors. Two floodlights shall be located on each sides of the vehicle and be firmly fastened to the body surfaces below the roof line. The lamps shall project downwards at a thirteen degree angle from the horizontal plane. This shall be accomplished by using lens inserts. The side flood lights shall be controlled from the cab console and be independently switched. The rear side scene lights shall function when the vehicle is placed in reverse.

Does your bid comply with this requirement?

Yes () No ()

6.29 EXTERIOR LOADING LIGHTS

Two Whelen 900 series LEDK000XB Halogen loading lights shall be provided above the rear doors and shall illuminate the area surrounding the back loading and unloading doors. The lamps shall project downwards at a twenty-six degree angle from the horizontal plane. Rear loading lights shall activate automatically when the rear doors are open regardless of the switch position in the cab console. The rear load lights shall be incorporated with the FMVSS backup lighting system.

Does your bid comply with this requirement?

Yes () No ()

6.30 HALOGEN FLASHER

A Vanner or equal 5860 flasher shall be installed and provide a flash pattern to meet KKK-1822 C or D or E specification. Headlight flashers shall be provided with a night time cutoff. A switch shall be provided on the front console.

Does your bid comply with this requirement?

Yes () No ()

6.31 LICENSE TAG LIGHT

There shall be two LED license tag lights installed on either side of the rear license plate.

Does your bid comply with this requirement?

Yes () No ()

6.32 TAIL LIGHTS

The rear tail light assembly shall consist of a single chromed housing mounted on either side of the rear modular body entrance doors above the kick plate. Each housing shall have a 9X7 LED brake light, equipped with Brake Alert, an LED amber sequential turn signal and a 7X3 LED halogen backup light. The rear 900 series upper corner emergency lights shall function as additional brake lights when break lights are activated.

Does your bid comply with this requirement?

Yes () No ()

7.0 MODULE HEADLINER

Patient compartment headliner shall be two piece expanded PVC, manufactured by the FSAM, with removable center panel to access to wiring in patient area. The headliner shall run from the top of the rear doors forward to the bulkhead. All cutouts for dome lights and antenna ports shall be cut out utilizing a CNC router. It shall be secured to the roof ribs of the vehicle to prevent sag and shall be contoured so as to eliminate gaps between the patient and driver compartments.

The headliner shall contain the main wiring harness service raceway, IV hooks, overhead grab rail and over head lighting. The head liner shall be smooth and white in color. All hardware attached through the head liner shall be tapped into an aluminum plate of 6061 T-6 alloy.

Does your bid comply with this requirement?

Yes () No ()

7.1 VEHICLE INTERIOR LIGHTING

The basic interior compartment shall be provided with eightseven overhead dual intensity LEDhalogen lights. The lights shall be Weldon LED8045. There shall be four lights located over the primary patient stretcher and fourthree over the squad bench. These lights shall be mounted into the patient compartment head liner and shall not protrude into the patient

compartment. The overhead shall have two levels of intensity, high and low settings. The attendant shall be able to control the level of light via switches in the action area control panel. The dual lighting shall work together or may be separately selected from side to side. The four lights over the primary patient shall illuminate on the low setting when the side modular or rear modular doors are open. There shall be a timer switch located on the squad bench wall and at the rear door panel to activate the ceiling lights. Certification shall be provided by an independent testing laboratory with this proposal.

Does your bid comply with this requirement?

Yes () No ()

7.2 STEP WELL LIGHT

A LED step well light shall be provided in the step well area of the modular curb side door and shall be activated upon opening the curb side or rear modular doors.

Does your bid comply with this requirement?

Yes () No ()

7.3 ACTION AREA LIGHT

A twelve- volt direct current incandescent light with integral switch shall be provided in the attendant action area. The light shall be a Xantech 105-500 or equal.

Does your bid comply with this requirement?

Yes () No ()

7.4 EXTERIOR STORAGE COMPARTMENT LIGHTS

Lighting for exterior storage compartments shall be accomplished utilizing low wattage, factory sealed LED, recess mounted lights or LED strip lights, activated by magnetic door jamb switches.

Does your bid comply with this requirement?

Yes () No ()

7.5 HANDHELD SPOTLIGHT

A 1400,000 cp hand held spotlight shall be provided with a minimum of one hundred thousand candle power lamp. It shall be in a corrosion proof housing with a protected momentary switch to prevent accidental activation. A minimum eight feet of heavy duty coiled cord will be supplied

and it shall be hard wired in the cab area and accessible to the driver and passenger.

Does your bid comply with this requirement?

Yes () No ()

7.6 ELECTRICAL TROUBLESHOOTING LIGHT

A small light with a switch shall be installed in the circuit board area for troubleshooting. The light shall be wired battery hot.

Does your bid comply with this requirement?

Yes () No ()

7.7 SUCTION PUMP

A suction pump shall be installed that shall comply with Federal Specifications KKK-A1822-F. The pump shall be located in the attendant seat base.

Does your bid comply with this requirement?

Yes () No ()

7.8 ACOUSTIC AND CLIMATE INSULATION

The FSAM shall supply an insulating material that is non flammable with a Class A, Class 1 fire rating. It shall be certified to meet the smoke and flammability requirements of FMVSS 302. The exposed walls of the exterior compartments and wheel wells that intrude into the interior of the modular shall be covered with reflective insulating material with a value of R-14. The side, front, rear, walls as well as the ceiling shall be insulated with three inch thick temperature rated un-faced fiberglass with a value of R-11. Fiberglass has been proven to provide excellent sound and thermal barrier over other materials. Fiberglass insulation is safe and widely used in the automotive and construction industry. Severe weather cold climate insulation package is requested if vendor offers that option.

Does your bid comply with this requirement?

Yes () No ()

7.9 OVERHEAD GRABRAIL

An overhead grab rails shall be installed in the patient compartment head liner. The grabrails shall be yellow powder coated stainless steel and handicapped style with rounded ends. The grabrails shall be a minimum of 117 inches long and shall be securely mounted in a recess in the

liner. One (1) rail shall be installed between the main wall and the cot. The second-hand rail shall be mounted between the squad bench and cot.

Does your bid comply with this requirement?

Yes () No ()

7.10 GRABHANDLES

On each entry door there shall be an L shaped grab handle. The vertical portion of the L shall be close to the hinge of the door and run the full length of the upper window in the door. The horizontal portion of the L shall be located just under the upper window. The grab handles shall be 1 inch diameter yellow powder-coated stainless steel and handicapped style. There shall be an assist handle installed at each entry door. (Total of 3)

Does your bid comply with this requirement?

Yes () No ()

7.112 OXYGEN CYLINDER RACK

A Ziamatic oxygen cylinder rack shall be located in compartment "F. The rack shall be QRM-2 for an "M" cylinder. The compartment will be designed with a sweep out floor to facilitate loading and unloading.

Does your bid comply with this requirement?

Yes () No ()

7.123 OXYGEN, MAIN SUPPLY AND INSTALLATION

The ambulance shall have a hospital type piped oxygen system capable of storing and supplying three thousand liters of medical oxygen. The cylinder controls shall be accessible from inside the patient compartment. The pressure gauge shall be visible from either the attendant's seat or from the squad bench. The oxygen shall be piped to four (4) two self sealing Ohio adaptable oxygen outlets located two (2) in the action area, one (1) on the wall at the head of squad bench and one (1) above the cot in the ceiling. The oxygen system will incorporate electrically conducted oxygen hose with a working pressure of one hundred and fifty pounds per square inch. All oxygen hose and outlets will use machine crimped brass ferrules and high pressure connectors. The entire oxygen delivery system will be pressured tested with a minimum of one hundred and fifty pounds per square inch of pressure of nitrogen gas for a period of four hours. The testing documentation will be delivered with the vehicle. A vacuum port shall also be located in the action area to supply the vacuum to the suction container.

A vacuum port shall also be located in the action area to supply the vacuum to the suction container.

Does your bid comply with this requirement?

Yes () No ()

7.134 SUCTION ASPIRATOR

The ambulance shall be equipped with an on board vacuum aspirator. The unit shall be mounted on the action area wall above the action area tray to collect any bio fluids that may be spilled. The unit shall be impact resistant with an auto clavicle collection jar. The discharge side of the of the vacuum pump shall be vented to the outside of the vehicle through sealed tubing. The clear formed collection jar shall have a dual sealing lid assembly. The removable lid shall incorporate a variable position adjustment valve and gauge calibrated in mm/hgs. The vacuum pump shall be installed via a twelve volt direct current system. The on/off switch shall be located in the attendant's console.

Does your bid comply with this requirement?

Yes () No ()

7.145 SEAT, LITTER, RESTRAINT ANCHORAGE

Patient restraints shall be as specified in paragraph 3.11.8 of Federal Specification KKK-A1822-F. Cot fasteners and safety bets shall be mounted in tapping plates. The cot fastener shall be a Ferno _____ set for a model PowerFlexx Cot Center Mount with charging outlet installed. _____ cot.

Does your bid comply with this requirement?

Yes () No ()

7.156 IV HOLDERS FOR INTRAVENOUS FLUID CONTAINERS

Four (40 cast products IVIV holders shall be as specified in paragraph 3.11.9 of Federal Specification KKK-A1822-F. Two (2) over cot head and foot and two (2) over squad bench head and foot. There shall be an IV hook mounted to the head of the squad bench wall to hang an IV bag from the IV pump located at or near the A-Bar.

Does your bid comply with this requirement?

Yes () No ()

7.176 MONITOR MOUNTING BRACKET INTERIOR SURFACES

Mounting bracket for Zoll E Series monitor to monitor shelf. The upper two-thirds of the cabinets shall be _____ and the lower third shall be _____.

Does your bid comply with this requirement?

Yes () No ()

7.178 FLOOR

A top floor of seven ply three quarter inch boat grade plywood, sanded both sides with no voids, shall be installed over the moisture barrier. The plywood shall be coated prior to installation to prevent warping due to ambient moisture absorption. The plywood floor shall be one piece from the bulkhead to the rear doors between the patient door steeple and squad bench and extend under the street side cabinets. The plywood floor shall be securely anchored to the floor sub structure with one quarter inch UNF machine by two and one half inch screws.

Does your bid comply with this requirement?

Yes () No ()

7.189 FLOOR COVERINGS

The patient compartment floor covering shall be a heavy duty non-slip LoncoinPlate vinyl no wax type material that is impervious to fluids. The vinyl flooring shall be glued to the plywood floor using an adhesive compound rated for fiber backed flooring. The color shall be determined after award. There shall be no adhesive voids between the flooring and the plywood. The floor shall be designed to roll up the side of the street side and bulk head cabinets and squad bench.

Does you bid comply with this requirement?

Yes () No ()

7.1920 ATTENDANT SEATING

Seating for the attendant shall consist of an EVS or equal child contoured high back padded bucket seat with swivel base. Seat shall be centered with center mounted cot. contoured high back padded bucket seat. The seat covering shall be an easy clean vinyl material and be impervious to blood borne pathogens and other contaminants. Therefore, cloth seats or seats with welting seams or visible stitching will not be accepted. The vinyl shall be determined after award. Seating must meet OSHA regulation 1910.1030. The seat belt must be certified to KKK - A1822 - FKKK - A1822 — F specification and to FMVSS. The seat shall have an adjustable track to allow movement both fore and aft. Installation shall comply with FMVSS.

Does your bid comply with this requirement?

Yes () No ()

7.201 UPHOLSTERY

The finish of the entire patient's compartment, including storage cabinets and equipment, shall be impervious to soap and water, disinfectants, bio fluids, mildew and shall be fire resistant per FMVSS 302. Upholstered cushions shall be a minimum of thirty two ounce nylon reinforced commercial vinyl material. Squad bench cushions and attendant seat and backrest cushions shall be fabricated in such a manner to eliminate exposed welting. Cushions with welting or beaded seams shall not be accepted due to the risk of bio fluid penetration. Describe below your method of cushion construction. The color of the upholstery shall be determined after award.

Does your bid comply with this requirement?

Yes () No ()

7.212 BULKHEAD CABINET

A bulkhead cabinet shall separate the cab from the patient compartment with a sliding door to allow access between the two while providing privacy. The open door shall allow for an aisle of at least 17 inches between the compartments. The door shall have at least a 150 square inch transparent, shatterproof viewing panel in the center section at the driver's eye level. The door shall be secured with a driver's side self-latching device in the open and closed positions.

Does your bid meet this requirement?

Yes () No ()

7.223 INTERIOR OXYGEN VIEWING DOOR

A plexiglass door shall be installed on the oxygen viewing opening.

Does your bid comply with this requirement?

Yes () No ()

7.234 BULKHEAD SLIDING DOOR

The door shall have at least a 150 square inch transparent, shatterproof viewing panel in the center section at the driver's eye level. The door shall be secured with a driver's side self-latching device in the open and closed positions.

Does your bid comply with this requirement?

Yes () No ()

7.245 STORAGE COMPARTMENTS AND CABINET DESIGN

All storage cabinets shall be easily opened but shall not come open during transit. The cabinets shall be accessible through a reciprocating horizontal sliding Plexiglas door. The door shall be transparent to permit viewing of supplies and the door shall open with a grab anywhere device. The handle shall run the full vertical length of the Lexan. The Plexiglas shall be three sixteenths of an inch in thickness and shall be enclosed in an extruded aluminum frame. The frame shall cover the entire perimeter of the cabinet opening and the Plexiglas set within the frame on a track lined with a material to prevent the Plexiglas from sliding open and shut during transport.

Does your bid comply with this requirement?

Yes () No ()

7

7.2527 STANDARD MANDATORY MISCELLANEOUS EQUIPMENT

Unless otherwise precluded elsewhere in this specification the vehicle shall be equipped with the following:

- Two (2) One five pound fire extinguisher that is ABC dry chemical multipurpose with a approved quick release brackets.
- No smoking oxygen equipment signs conspicuously place in the cab and patient compartment.
- A back up alarm, audible warning device activated when the vehicle is shifted into or moving in reverse.
- The OEM spare tire shall be mounted in compartment D shipped with the vehicle.
- One (1) voyager or equal backup camera with display monitor in front cab console area
- One (1) Vanner or equal 1050 watt Inverter/Vehicle Charger wired on demand
- One (1) set of OEM rubber floor mats for chassis floor.
- One (1) lock switch located in chassis grille area.
- Two (2) Radio speakers in rear module ceiling with volume control at inhalation panel.
- One (1) engine hour meter installed on side of front console.

Does your bid comply with this requirement?

Yes () No ()

8.0 QUALITY ASSURANCE PROVISIONS

Defective components shall not be furnished. Parts, equipment, and assemblies, which have been repaired or modified to overcome deficiencies shall not be furnished without the written approval

of the purchaser. Construction methods utilized shall be in accordance with industry standards. Component parts and units shall be manufactured to definite standard dimensions with proper fits, clearances and uniformity. The general appearance of the vehicle shall not show any evidence of poor workmanship.

At the time of delivery, the manufacturer's representative shall explain the use and operation of the new vehicle(s) and provide an owner's manual for the complete vehicle. The manual shall contain useful information on routine maintenance and trouble shooting. All warranty registration materials shall be completed and explained at the time of delivery. The manufacturer shall arrange for over the road delivery under the finished vehicle(s) own power. The vehicle(s) shall be delivered clean and free of road debris with at least fifty percent fuel on board.

The bidder shall be responsible for the performance and test requirements required herein. This agency reserves the right to perform any of the inspections and tests set forth in this specification where such inspections are deemed necessary to assure conformation of specification. The FSAM shall conform to this agency's representatives with instruments and all such assistance as may be required.

Does your bid comply with this requirement?

Yes () No ()

8.0.1

The FSAM shall be ISO 9001:2000 certified.

Does your bid comply?

Yes () No ()

8.1 TESTS

The FSAM is obligated to prove that the vehicle, ambulance components and equipment provided meet the requirements of this specification and are compliant to Federal Ambulance Specification KKK-A1822-FKKK - A1822- - F and any amendments in effect at the time of this bid. Copies shall be provided with this of the test documents and a letter from a independent testing laboratory that has performed the tests certifying that the following tests have been conducted and passed. Test documents or any source other than described above shall not be accepted. Failure to comply with the requirement shall be considered as non-responsive and will not be accepted. The certified tests are as follows and conform to the requirements of this specification and Federal Ambulance Specification KKK-A1822-F.

- A. Vehicle Physical Dimensions (3.4.11 through 3.4.11.6)
- B. Patient Compartment Interior Dimensions (3.10.4)

- C. Stepwell, Bumpers and Facilitation (3.11 through 3.10.11, 3.10.3 through 3.10.16 and 3.9.9)
- D. Storage Compartment and Facilitation (3.11 through 3.11.2.1,3.11.4 and 3.11.6)
- E. Ambulance Body and Patient Area (3.10.1 through 3.10.3, 3.10.6 through 3.10.8, 3.10.20 through 3.10.11, 3.10.3 through 3.10.16 and 3.9.9)
- F. Vehicle Weight Distribution (4.4.3 and 3.5 through 3.5.6 and 3.19)
- G. Water Spray Test (4.4.5)
- H. 115 VAC Utility Power (3.7.8 through 3.7.8.3)
- I. Electrical System Components (3.7.8 through 3.7.8.3, 3.7 through 3.7.5, 3.7.7 through 3.7.7.4, 3.7.9 through 3.7.11, 3.8.1, 3.8.4 and 3.8.50)
- J. Patient compartment Illumination (3.8.5.1)
- K. Electrical Generating System (3.7.6 through 3.7.6.3 and AMD 005)
- L. Warning Lights and Siren System (3.8.2 through 3.8.4 and 3.14.6)
- M. Door Latches, Hinges and Hardware (3.10.9)
- N. Static Load Test (3.10.5 and AMD 001)
- O. Patient Compartment Interior Surfaces (3.10.17 and FMVSS 302)
- P. Oxygen System Test (4.4.6, 3.12.1 and 3.12.1.1)
- Q. Oxygen Cylinder Restraint Test (3.11.3 and AMD 003)
- R. Litter Fastener and Anchorage (3.11.7 and AMD 003)
- S. Suction Aspirator System (3.12.3 and 3.12.4)
- T. Heating Criteria (3.4.2, 3.7.9 through 3.7.11, 3.6.3.2, 3.13.1 through 3.13.7)
- U. Air Conditioning Criteria (3.4.2, 3.7.9 through 3.7.11, 3.6.3.2, 3.13.7, 3.6.4.5.1 through 3.6.4.5.1)
- V. Ventilation Criteria (3.13.6)
- W. Patient Compartment Sound Level (3.13.8 and AMD 006)

- X. Patient Color and Markings (3.16 through 3.16.2 and 3.16.4)
- Y. Manuals and Handbooks (3.20 and 6.8)
- Z. Seat Belt Test (3.11.6)
- AA. Electromagnetic Radiation and Suppression (3.7.12)
- BB. Standard Miscellaneous Equipment (3.15.2)
- CC. Miscellaneous Equipment (3.7.5 and 3.9.5)

Does your bid comply with this requirement?

Yes () No ()

8.2 EXCEPTIONS

Exceptions shall be submitted as set forth in section A1.1.2 of this document. This agency will accept proposals from any business entity proclaiming to manufacturer vehicle(s) to conform to this specification. Further, this agency will not deny the right of any manufacturer to present their product. However, it should be noted, that any FSAM that does not take exceptions shall produce the vehicle exactly as described. Failure to produce said vehicle may be grounds for this agency to pursue a resolution of damages through civil and criminal court.

Does your bid comply with this requirement?

Yes () No ()