

## COMMERCIAL ITEM DESCRIPTION

TRUCK, FIRE FIGHTING  
( 'TELESCOPING AERIAL LADDER AND WORK PLATFORM)

The General Services Administration has authorized the use of this commercial item description (CID).

1. Abstract:

This Commercial Item Description (CID) describes a straight frame, diesel engine driven, fire truck with aerial ladder platform. The minimum vertical elevation of the platform shall be 95 feet when measured at 75 degrees above the horizontal. The horizontal reach of the extended platform shall be a minimum of 85 feet from the side of the truck. The platform shall be capable of depressing below the horizontal sufficiently to step aboard from ground level 50 feet from the side of the truck. A power take off (PTO) driven pump shall be capable of pumping from draft and discharging from the platform turret at a rate of 1250 gallons per minute (GPM) while fully extended and elevated.

2. Salient Characteristics:

2.1 The truck shall be free from faulty construction, or any defect which affects appearance, serviceability or durability. All components and accessories shall be represented in the manufacturer's sales data as standard or optional. The truck shall be representative of the quality and workmanship found in fire trucks offered for new commercial sale.

2.2 The truck and pump shall meet all the applicable requirements and testing of National Fire Protection Association, NFPA 1904 and NFPA 1914 and shall be certified by a nationally recognized testing laboratory for the first year of service. The following is the purchaser provided data required by NFPA 1904:

2.2.1 Shall operate on paved or graded gravel roads.

2.2.2 When specified, engine and pumping system operational design elevation shall be 8000 feet above sea level.

2.2.3 Maximum grade operation of eight percent at a minimum of 20 MPH.

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| Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: WR-ALC/LZMD Robins AFB, GA 31098-5609 |
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2.2.4 This truck shall be capable of operating in temperature ranges from 0 deg F to +125 deg F. When specified, a winterization system shall be provided to extend the operational range of the truck, tank, pump and piping to -40 deg F.

2.2.5 Provide a manual emergency engine shut-down.

2.2.6 Provide an electric fuel priming pump,

2.2.7 Provide a minimum 10 amp battery charger with a 120 volt AC polarized connection adjacent to the driver's door.

2.2.8 Provide a minimum 180 amp alternator. A driver controlled high idle switch shall be provided to raise engine RPMs to the minimum alternator output .

2.2.9 Provide either all red or all blue strobe type warning lights, as specified at the time of purchase, two on the front face of the cab and two on the rear of the truck body. Provide intersection lights and an alternating headlight warning system. Provide two each, four head, strobe type light bars, one on each side of the bedded ladder, each with both forward and side facing strobe heads.

2.2.10 Provide a minimum 100 watt electronic siren with a cab mounted amplifier unit capable of: volume control and selection of 'Radio" , "P.A.", 'Manual" "Yelp", "Wail" and "Hi-Lo" siren modes and shall have a two-way radio audio tap. In addition to the amplifier mounted activation control, provide a foot operated switch for the crew chief.

2.2.11 Provide dual stutter tone air horns.

2.2.12 Provide two, interior adjustable, cab roof mounted, spotlights.

2.2.13 When specified, provide a driver controlled engine compression retarder.

2.2.14 When specified, provide a driver controlled magnetic drive line retarder.

2.2.15 Provide a checked shoreline air connection to the brake system wet tank adjacent to the driver's door.

2.2.15 Provide tubeless radial tires mounted on steel disc wheels. Provide a spare tire and wheel assembly for each tire size used on the truck. Spare tire carriers shall not be provided.

2.2.17 Provide rear wheel fender liners with clearance for tire chains..  
When specified, provide driver activated automatic type snow chains for the truck driving axles. Individual compartments for storage of spare, one hour capacity, self-contained breathing apparatus (SCBA) bottles shall be provided in the unused spaces between the truck body side compartments and the fender liners.

2.2.18 Provide a minimum 50 gallon fuel tank capacity.

2.2 19 Provide a fully enclosed six man all aluminum or all stainless steel cab with air suspension driver's seat and five non-suspension SCBA seats with one hour capacity air bottle support brackets. When specified, provide a truck cab air conditioning system.

2.2.20 Provide combination flat and convex, heated, west-coast design, rear view mirror on each side of the cab.

2.2.21 Provide a dedicated 15 amp circuit with breaker and a wire routed to a space provided between the driver and crew chief for a purchaser provided radio.

2.2.22 Provide a single, platform mounted, 1000 gallon per minute (GPM) monitor , with joy-stick controls for volume, elevation, rotation and stream shape, at both the platform and the turntable.

2.2.23 provide two 1 1/2 inch National Standard Fire Hose Thread (NSFHT) gated connections on the front face of the platform and two covered storage bins , each capable of holding 100 feet of 1 3/4 inch double jacketed fire hose.

2.2,24 Provide non-strobe type position lights on the outer corners of the platform visible from the turntable operator's position.

2.2.25 Provide a vacuum relief valve and an automatic drain valve on the aerial waterway.

2.2.26 Provide an all aluminum or all stainless steel truck body with clear anodized aluminum roll-up compartment doors. Roll-up door latches shall not be of push-button design. Each compartment shall have a minimum of one removable and adjustable shelf. Compartment floors shall be constructed so as to prevent accumulation of water and allow ventilation to aid in drying of equipment stored within. All steps, platforms, standing and walking surfaces shall be fabricated of polished tread plate.

2,2.27 Provide two cross-lay hose beds, with removable covers, each capable of carrying 200 feet of 1 3/4 inch preconnected hoses. Sufficient clearance shall be provided between the hose and cover to allow a preconnected hose nozzle to be pulled through from either side of the truck. Provide one additional divided hose bed, with removable cover, capable of carrying 200 feet of 1 3/4 inch preconnected hose and 1200 feet of 5 inch hose.

2.2.28 All cab and truck body cavities that may trap water shall be designed to drain and shall be corrosion protected with a commercially available coating produced for that purpose,

2.2.29 The exterior surfaces of the truck shall be primed and top-coated with polyurethane 'Lime Yellow' (high gloss) paint with a four inch wide red reflective stripe. Compartment interiors shall be painted in accordance with the manufacturer's standard commercial practice. All standard chrome or polished metal parts, hinges, ~~thread~~ plates and roll-up compartment doors shall not be painted.

2.2.30 Provide aluminum ground ladders, accessible from the ground, and the full complement of equipment required in Chapter 6 of NFPA 1904, plus the additional equipment listed in Appendix A-6-2, less the SCBA units, spare SCBA cylinders and the resuscitator equipment. Pike pole, axe, hammer and shovel handles shall be fiberglass. Portable fire extinguishers shall be dry chemical type.

2.2.31 Provide one 20 foot 5 inch soft suction hose, with a long handle 4-1/2 inch NSFHT female connection on one end and a long handle 6 inch NSFHT female connection on the opposite end, in a compartment created between the truck cab and the extended front bumper.

2.2.32 Provide a mid-mounted 1250 GPM, single stage, bronze fitted pump. The pump priming system shall be of either automatic operating design or manually activated electric vane type.

2.2.33 Provide three each 6 inch NSFHT intake connections, one on each side and one at the front of the truck. Provide two each 2 1/2 inch NSFHT intake connections, with 45 degree turn-down fittings, one on each side of the truck. All intakes shall be gated. The intake relief valve shall be adjustable from the pump operator's control panel. Provide a checked and gated 6 inch NSFHT intake, with 45 degree turn-down fitting, at the rear of the truck and directly connected to the platform waterway.

2.2.34 The pump operator's control panel shall be located on the left central side of the truck and shall be fabricated of a low reflectivity material. Color coded labels, in accordance with A-7-9.4 of NFPA 1904 shall be provided for intake and discharge controls.

2.2.35 Provide a pump pressure relief valve operated from the pump operator's control panel.

2.2.36 Provide three 2 1/2 inch NSFHT discharge connections, with 45 degree turn-down fittings, one on the right side and two on the left side of the truck. Provide one standard master discharge with no less than 3 inch full flow piping and valve with 2 1/2 inch NSFHT adapter, with 45 degree turn-down fitting, on the right side of the truck. Provide three (3) preconnected 1 1/2 inch NSFHT swivel discharge connections (see 2.2.27).

2.2.27 Provide an electric start, diesel engine driven, 5 KW AC generator, permanently mounted in a ventilated compartment on the truck. The generator fuel supply shall be in common with the truck engine. A generator starter switch and an ammeter shall be located on the pump operator's control panel. The generator shall provide both 120 and 240 volt, sixty cycle, single phase power. A weatherproof distribution panel shall be located adjacent to the pump operator's control panel and shall have a minimum of seven 120 volt, 15 amp circuits, with ground fault indicator (GFI) breakers, and two 240 volt, 30 amp circuits, with GFI breakers. Four each, 120 volt twist lock receptacles, with covers, shall be provided, two on each side of the truck. Two each, 240 volt twist lock receptacles, with covers, shall be provided, one on each side of the truck. Receptacles shall not be the same for 120 and 240 volt connections. Provide three each, permanent mounted and wired, automatic rewind 120 volt electric cord reels with four way roller guides. Each reel shall have 200 feet of 12 gauge, 15 amp rated, extension cords with twist lock connector and shall be located, one on each side of the truck within compartments and one on the platform. Each receptacle and reel shall be wired to the distribution panel and labeled with circuit numbers and shock warnings.

2.2.38 Provide a 250 gallon water tank with removable lid. The tank may be fabricated of either stainless steel, fiberglass or polypropylene. The tank to pump connection shall be designed to flow 300 GPM. Provide a five light tank level indicator located on the pump operator's control panel.

2.2.39 Provide a prewired terminal strip at each seated position, at the pump operator's control panel, at the turntable and at the platform, from the purchaser provided radio location (see para 2.2.21), capable of providing both intercom and radio communication. All other wiring shall be provided by the purchaser.

### 3. Regulatory Requirements:

3.1 The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent possible.

3.1.1 For the purpose of this requirement, recovered materials are those materials which have been collected from solid waste and reprocessed to become a source of raw materials, as distinguished from raw materials. The components, pieces and parts incorporated in the truck(s) may be newly fabricated from recovered materials to the maximum extent practicable, provided the truck(s) produced meets all other requirements of this CID. Used, rebuilt or remanufactured components, pieces and parts shall not be incorporated.

### 4. Contractor Certification:

The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The government reserves the right to require proof of such conformance prior to the delivery and thereafter as may be otherwise provided for under the provisions of the contract;

## 5. Market Acceptability:

5.1 Commercial. The vehicle furnished must be the latest model as of the date of award (with minor modifications, as that term is defined in DOD Federal Acquisition Regulation (FAR) Supplement 252.211-7012, Para K-85 of the solicitation) of an established product previously produced and sold in substantial commercial quantities (exceeding the criteria at FAR 15.804-3(f) (2) (ii) (A)) for at least two (2) years immediately preceding the issuance date of the solicitation. The vehicle furnished, or earlier models of it, absent minor modifications, shall have routinely been supported with spares/repair parts which were produced or sold in the normal course of business. At the time of delivery, the contractor shall furnish the Administrative Contracting Officer with verification of compliance with these requirements. Offerors shall provide, as part of their proposals, the following information on the vehicle (or its earlier models) being offered as a commercial item:

- (a) Total sales to the U.S. Government or to contractors for U.S. Government use during the 2 years immediately preceding the issuance date of the solicitation.
- (b) Total sale of the item to the general public during the 2 years immediately preceding the issuance date of the solicitation.
- (c) Length of time the item has been sold in the commercial market place.
- (d) Points of contact and phone numbers of customers to which the item has been sold in the commercial market place.
- (e) Other pertinent information necessary to determine that the item is an established commercial item.

## 6. Packaging, Packing, and Marking:

Unless otherwise provided in the contract, the truck(s) shall be prepared for delivery by common carrier and shall provide for protection against loss or damage while in transit. An Identification plate, permanently marked, shall be securely mounted at the driver's compartment. The identification plate shall contain the following information:

NOMENCLATURE  
 MANUFACTURER'S MODEL NUMBER  
 MANUFACTURER'S SERIAL NUMBER  
 MANUFACTURER'S NAME  
 MANUFACTURER'S ADDRESS  
 MANUFACTURER'S SERVICE PHONE NUMBER  
 DATE OF MANUFACTURE  
 CONTRACT NUMBER  
 NATIONAL STOCK NUMBER  
 REGISTRATION

7. Contractor Requirements:

7.1 The following shall be required of the contractor at the time of delivery:

- (a) Two sets of commercial manuals, Including operation, maintenance and parts shall be provided with each truck delivered. The parts manuals shall list the contractor 's part numbers as well as, the component and equipment manufacturer's part numbers, as applicable.
- (b) The first production truck shall be fully demonstrated for Air Force review, including: driveability. outrigger and aerial ladder and platform functions and interlocks, pump and all mounted equipment performance, at the contractor's facility, prior to delivery. The manuals shall also be made available, at the time of demonstration, for review.

8. Notes. The purchaser shall specify the following at time of purchase:

- (a) If operational design is 8000 feet above sea level.
- (b) If winterization is required.
- (c) Color of warning lights.
- (d) If engine compression retarder is required.
- (e) If magnetic drive line retarder is required,
- (f) If automatic tire chains are required.
- (g) If cab air conditioning is required.

CUSTODIAN:  
AIR FORCE - 99

PREPARING ACTIVITY:  
AIR FORCE - 84

Project Number: 4210-0456





# STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

## INSTRUCTIONS

The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.

2. The submitter of this form must complete blocks 4, 5, 6, and 7.

3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

### I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER  
A-A-58005

2. DOCUMENT DATE (YYMMDD)  
92 Apr 2

### 3. DOCUMENT TITLE

TRUCK, FIRE FIGHTING (TELESCOPING AERIAL LADDER AND WORK PLATFORM)

### 4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

### 5. REASON FOR RECOMMENDATION

### 6. SUBMITTER

a. NAME (Last, First, Middle Initial)

b. ORGANIZATION

c. ADDRESS (Include Zip Code)

d. TELEPHONE (Include Area Code)  
(1) Commercial  
(2) AUTOVON  
(If applicable)

7. DATE SUBMITTED  
(YYMMDD)

### 8. PREPARING ACTIVITY

a. NAME

WR-ALC/LZMD

b. TELEPHONE (Include Area Code)  
(1) Commercial

(2) AUTOVON

c. ADDRESS (Include Zip Code)

Robins AFB GA 31098-5609

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:  
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