

**STATEMENT OF WORK  
(SOW)  
For  
Royal Saudi Air Force (RSAF) Transportation  
Supply Support (TSS)**



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**PREPARING ORGANIZATION: AFLCMC/WWQIA, Robins AFB, GA 31098**

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## **1 Scope.**

This SOW is for the acquisition of commercial vehicles and trailers listed in Appendix 3 in support of the Royal Saudi Air Force (RSAF) F-15 Fleet Modernization Program (FMP) under the scope authority of Letter of Offer and Acceptance (LOA) SR-D-SAP.

The contractor shall procure all vehicles and trailers from in-Kingdom sources and deliver Free on Board (FOB) destination to Dhahran depot Supply, King Abdul Aziz Air Base (KAAB), Saudi Arabia. If a licensed agent or franchised dealer for any item on the TSS equipment list is not found in-Kingdom, the TSS Contractor shall immediately inform the TSS Program Manager (PM). All out-of-Kingdom purchases shall be approved by the USG Procurement Contracting Officer (PCO) prior to procurement.

The RSAF is responsible for issuing all vehicle and trailers procured under this contract to the correct end user. The Contractor shall not be responsible for delivery of any TSS equipment to the end user Squadron or Base, unless specifically identified in the contract.

The Contractor shall be responsible for any final assembly required at destination of any outsize cargo such as, but not limited to, 50 Ton Container Handlers and 65 Ton Cranes. The Contractor shall ensure all vehicles and trailers are fully serviced and ready for inspection and acceptance by Defense Contract Management Agency (DCMA) inspectors upon delivery at KAAB Depot Supply. \*\*Note: When tons are referenced within this SOW to indicate a measurement of weight or capacity, these references are reflected in U.S. tons, not metric tons.\*\*

### **1.1 Background.**

The RSAF has a requirement to procure additional vehicles and trailers to support the growth of its F-15 fleet with the fielding of new F-15SA jets and to replace existing vehicles and trailers that are beyond economic repair.

Method of Contracting: Competitive, Lowest Evaluated Price

Contract Type: Firm Fixed Price, Requirements contract

## **2 Applicable Documents**

All vehicles and trailers provided under this contract shall meet the specifications, vehicle standards and ordering data provided in the appendices for each item.

## **3 Requirements**

### **3.1 General**

The Contractor shall manage the acquisition of the items identified in Appendix 4. All procurements shall be for new and unused vehicles and trailers. The Contractor shall propose a Unit Price for each item that represents the fully burdened item cost to the Government. Each order shall be delivered no later than 90, 180 or 270 days (see Appendix 5, 6 and 7) after receipt of order (ARO). Any deviation shall be coordinated with the United

States Government (USG) TSS PM and approved in writing by the Procurement Contracting Officer (PCO). The Contractor shall ensure 97% on time delivery on government approved delivery schedule for each delivery order. None of the remaining 3% percent shall be more than 30 calendar days late unless previously approved by the USG PCO.

### **3.1.1 Winterization**

Winterization is not required for any vehicles and trailers procured under this contract.

### **3.1.2 Paint Color & Markings**

Unless otherwise specified in Appendix 3 or on the vehicle or trailer's ordering data, paint color shall be Sherwin Williams paint color Sand Yellow, RAL#1002, RHS9-00002 shall be in flat/matte finish. All special markings are provided in the individual vehicle or trailer's ordering data. All references to "USAF" in the referenced specifications shall be replaced with "RSAF".

### **3.1.3 Corrosion Protection**

Items procured outside of Saudi Arabia shall comply with the application of temporary corrosion protection for shipment. For items procured from in-Kingdom Sources, the vendor is responsible for ensuring adequate corrosion protection is applied during transport from manufacturing sources. Presence of corrosion shall be grounds for rejection.

### **3.1.4 Electric Vehicles**

A battery charger compatible with local power (220V, 50Hz) and electrical outlet type shall be delivered with each electric vehicle.

### **3.1.5 Options**

Unless specified in the ordering data, no optional equipment or features shall be provided. The one exception is that air conditioners shall be provided when available.

## **3.2 Manuals and Data**

A digital copy of each manual for review shall be sent to Warner Robins to AFLCMC/WWQ office. The Contractor shall ensure one (1) hard copy of an Operations and Maintenance Manual (OMM), warranty documents and other documentation from the Original Equipment Manufacturer (OEM) are delivered with each vehicle and trailer as pack-up data. In addition, the contractor shall deliver two (2) digital copies of the OMM on Digital Versatile Disc (DVD) Read Only Memory (ROM) in the format provided by the OEM for each type (model or part number) of vehicle or trailer to KAAB Depot Supply.

A copy of any diagnostic software and/or accessory module required or recommended for maintaining any vehicle and trailer provided under this contract shall be provided.

**(A001, DI-TMSS-80527C, COTS Manuals and Associated Supplemental Data)**

### **3.3 Test and Evaluation**

All vehicles and trailers being procured in this contract are Commercial-Off-The-Shelf (COTS) or modified Commercial items. Preliminary and critical design reviews (PDR and CDR) or first article testing shall not be required. Modified commercial items shall be procured from sources previously approved by the USAF from Jan 2000 or later below are some examples of approved sources:

- 10K RT Forklift Master NSN 3930004889695, Asset NSN 3930015085458CT CAGE 11083, Caterpillar Inc.
- R-11 Refuel Master NSN 2320004335695, Asset NSN 2320013733439, CAGE 59556, Kovatch Corporation.
- MB4 Aircraft Tow Tractor Master NSN 1740005807990, CAGE 94117, BAE Systems.

### **3.4 Inspection and Acceptance**

All vehicles and trailers delivered under this contract shall meet or exceed all requirements of the specifications provided as tailored by the ordering data. The absence of any first article testing and other inspection requirements in this SOW shall not relieve the Contractor of the responsibility of ensuring that all items submitted to the Government for acceptance shall comply with all requirements of the contract.

All items provided under this contract shall conform to the manufacturer's own drawings, specifications, standards, and quality assurance practices, and shall be the same product offered for sale in the commercial market place, modified as necessary to comply with the requirements.

The Contractor shall submit to the Government a Certificate of Compliance or Conformance (CoC) for all items delivered under this contract. The Government reserves the right to examine and require a retest to determine the validity of the CoC. Noncompliance with any specified requirements or presence of one or more defects preventing or lessening maximum efficiency shall constitute cause for rejection.

### **3.5 Logistics Considerations**

Initial spares are not to be procured under this contract. The Contractor shall procure vehicles and trailers from Original Equipment Manufacturers (OEMs) that are established in industry and in the Kingdom of Saudi Arabia (KSA) so that prompt and continuing service and delivery of replacement spare parts can be assured for vehicles and trailers procured under this contract.

### **3.6 Item Quality**

The Contractor shall use best commercial practices to procure each item at the best possible price on each order. The Contractor shall institute a program that ensures that best quality items, with no defects, are received from qualified vendors.

### **3.7 Packaging, Handling, Shipping and Transportation (PHS&T)**

The Contractor shall insure that commercial equipment is packaged for shipment and delivery in accordance with MIL-STD-2073-1 E, Standard Practice for Military

Packaging. Shipping and storage markings shall be in accordance with MIL-STD-129 R, Standard Practice for Military Marking. In addition, the Contractor shall insure compliance with Standard Practice for Commercial Packaging ASTM D3951-10 and MIL-STD-129P (4) for Marking. In addition, the Contractor shall insure compliance with DD Form 2169, Special Packaging Instruction.

For any vehicles or trailers that are not available from in-Kingdom sources, and approved by the PCO to be procured from sources within the Continental United States (CONUS), the Contractor shall ensure that items can be shipped worldwide via commercial transportation. The Contractor shall identify and manage any items requiring special handling and/or movement procedures. The Contractor shall provide the Government with PHS&T status briefs as part of the periodic Program Reviews.

All items shipped to KAAB Depot Supply must be pre-loaded in GOLDesp, the RSAF Enterprise Resource Planning System, prior to shipment. The Contractor shall submit to the USG TSS PM the model numbers and OEM sources of all vehicles and trailers being procured 30 days after contract award for NSN or pseudo-NSN assignment. The Contractor shall request from the USG a Document Control Number (DCN) for each vehicle and trailer (one DCN per vehicle/trailer) within 30-60 calendar days of scheduled shipments, and coordinate with the in-Kingdom DCMA office the Inspection and Acceptance of the shipment at KAAB Depot Supply. The Contractor shall provide KAAB Depot Supply with a Notice of Availability (NOA) 15 calendar days before any scheduled delivery.

### **3.8 Warranty**

The Contractor shall transfer all warranties provided by the OEMs. All warranty repairs shall be performed in-Kingdom. **(A002, DI-SESS-81639A, Warranty Performance Report)**

### **3.9 Government Furnished Property**

Not applicable. The proposed contract will not include government furnished material/special tooling/special test equipment/industrial plant equipment/agency peculiar property.

### **3.10 Meetings**

The Contractor shall conduct quarterly Contract Program Management Reviews, to review contract activity status, evaluate progress, discuss financial status, and discuss issues/problem areas. Management reviews shall be held at the Contractor's facility. The Contractor shall develop and deliver a monthly Status Report that documents the status of Contractor's effort towards achieving contract objectives. This report includes, but is not limited to, an overall project status, summary of accomplished technical and development activities, objectives of efforts, summary results of efforts, funds status report, identification of major problems/deficiencies with impact and recommended solutions. **(A003, DI-MGMT-80368A/T, Status Report)**

The Contractor shall support teleconferences with the Government to ensure continued program visibility between the scheduled reviews and meetings. Teleconferences shall



be conducted monthly, but may be more frequent if required.

The Contractor shall establish a single point of contact for Government queries/status information requests as required during normal duty hours and as necessary for urgent situations.

### **3.11 Invoicing – Wide Area Workflow (WAWF)**

In accordance with DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports, the Contractor shall submit payment requests and Receiving Reports using WAWF.

If CDRL deliverables have a Contract Line Item Number (CLIN), the Contractor shall submit Receiving Reports using WAWF.

Contractor personnel shall register to access Wide Area Workflow-Receipt and Acceptance (WAWF-RA) at: <https://wawf.eb.mil/>.

Within 10 calendar days after contract/order award, Contractor personnel shall designate an Electronic Business Point of Contact (EB POC) in the Central Contractor Registration (CCR) site at: <https://www.sam.gov>.

### **3.12 In Kingdom Operations and Support**

The Contractor shall have a Saudi business license or maintain a sponsorship/teaming effort with a Saudi company. The Contractor shall establish and maintain an operating location in the Dammam Metropolitan Area (DMA) in the Eastern Province of Saudi Arabia to provide a liaison function with regard to materials delivery and to facilitate local purchases.

Laws and customs of KSA are in force. The Contractor shall obey the laws, customs and regulations of Saudi Arabia, including the laws prohibiting access to certain areas of the country to non-Muslims or non-Saudis. The Contractor and their personnel, while in Saudi Arabia, shall be subject to the criminal and civil jurisdiction of the Saudi Arabian Government (SAG). In the event environmental laws/regulations change during the term of this contract, the Contractor is required to comply as such laws come into effect.

#### **3.12.1 Kingdom of Saudi Arabia Employment Terms**

English language capability is a condition of employment for Contractor employees working in KSA. Prospective employees shall possess spoken and written English language skills sufficient to ensure the performance of official duties as well as compliance with safety and security requirements. Contractor employees required to travel to Saudi Arabia to interface with the RSAF shall be eligible for a base pass to allow entry onto an RSAF base. Medical qualification is required to work within KSA. The Contractor's employees must pass a medical examination conducted by a licensed medical official who shall prepare a certificate of medical examination declaring the prospective employee in good health and free of any infectious, contagious or communicable disease upon initial employment and upon returning to work after an

extended stay (30 days or more) outside of Saudi Arabia. A report of examination shall be attached to the medical certificate. Persons found to be afflicted by or carriers of infectious, contagious or communicable diseases or conditions shall be ineligible for employment or continued employment until they have been reexamined and found free of such diseases. The physical examination that all employees must pass shall be related to the requirements of the position being filled.

The contractor should be cognizant of KSA standard work week which is Sunday through Thursday, 0700 until 1630 local time. Vehicle and trailers should be delivered within this time schedule. However, in certain circumstances the workday schedule may vary from location to location and function as prescribed by the USG PCO and TSS PM.

### **3.13 Trafficking in Persons**

The Contractor shall comply with FAR 52.222-50, *Combating Trafficking in Persons*. Additional information about Trafficking in Persons can be found at the website for the Department of State's Office to Monitor and Combat Trafficking in Persons at: <http://www.state.gov/g/tip> .

In accordance with the Department of Defense *Contracting Officer Representative (COR) Handbook*, the COR(s) must inform the PCO if the Contractor/subcontractor and/or Contractor/subcontractor personnel fail to comply with the requirements of FAR 52.222.50. The PCO must convey the information to DoD Combat Trafficking in Persons (CTIP) Law Enforcement and Support / Office of Under Secretary of Defense (OUSD) Personnel and Readiness (P&R) Defense Human Resources Activity (DHRA).

### **3.14 Operations Security (OPSEC)**

The Contractor shall ensure OPSEC is incorporated into the appropriate areas of this contract IAW DoD Directive 5205.02, *DoD Operations Security Program*.

### **3.15 Security**

The Contractor shall not be required to hold, manipulate or store classified material or equipment.

### **3.16 Fuel**

For Ultra Low Sulfur Diesel requirements only, the contractor shall use Low Sulfur Diesel. This requirement is applicable for the Truck Transporter Wrecker 3-6 Ton (Ordering Data 9), Truck Tractor 20 Ton (Ordering Data 10), Truck Tractor 44,500 lbs GVW 6X6 (Ordering Data 12), and the Truck Cargo 10 Ton 6X4 DED (Ordering Data 14).

## **4.0 Appendices**

### **Appendix 1. Publications and Guides**

Publication	Sections that Apply	Date of Publication and Changes	Title of Publication	PWS Paragraph
DFARS 252.323-7003	Wide Area Work Flow	7 June 2016	Electronic Submission of Payment Requests and Receiving Reports	Para 3.11
FAR 52.222-50	Trafficking in Persons	Mar 2015	Combating Trafficking in Persons	Para 3.13
DoD Directive 5205.02	Operations Security	3 Nov 2008	DoD Operations Security Program	Para 3.14

## Appendix 2. Acronyms

ARO	After Receipt of Order
CCR	Central Contractor Registration
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CLIN	Contract Line Item Number
COR	Contracting Officer's Representative
COTS	Commercial Off-the-Shelf
CTIP	Combat Trafficking in Persons
DoD	Department of Defense
DCMA	Defense Contract Management Agency
DHRA	Defense Human Resources Activity
DVD	Digital Versatile Disc
EB	Electronic Business
FAR	Federal Acquisition Regulation
FMP	Fleet Modernization Program
FOB	Free on Board
KAAB	King Abdul Aziz Air Base
KSA	Kingdom of Saudi Arabia
LOA	Letter of Offer and Acceptance
NOA	Notice of Availability
NSN	National Stock Number
OEM	Original Equipment Manufacturer
OMM	Operation and Maintenance Manual
OPSEC	Operations Security
OUSD	Office of the Under Secretary of Defense
P&R	Personnel & Readiness
PCO	Procurement Contracting Officer
PDR	Preliminary Design Review
PHS&T	Package Handling Shipment and Transportation
PM	Program Manager
ROM	Read Only Memory
RSAF	Royal Saudi Air Force
SAG	Saudi Arabian Government
SOW	Statement of Work
TSS	Transportation Supply Support
USAF	United States Air Force
USG	United States Government
WAWF	Wide Area Work Flow

**Appendix 3. List of Contract Data Requirement Lists**

A001, DI-TMSS-80527C, COTS Manuals and  
Associated Supplemental Data

A002, DI-SESS-81639A, Warranty Performance Report

A003, DI-MGMT-80368A/T, Status Report

#### Appendix 4. Expanded Material Categories

NOMENCLATURE	USAF Recommended Part Number	Master NSN	Spec's	BEQ	Color
Fire/Crash Trucks	Striker 3000	4210007026801	A-A59108C	8	Yellow
Rescue Trucks	A-A-59152	4210014525121	A-A59152D	2	Yellow
Tractor Tow Acft MB4 20K-140K lbs	AA59210	1740005807990 YW	A-A-59210D	39	Sand Yellow, RAL#1002, RHS9-00002
Tractor Tow Bobtail	A-A-59312	1740010688945 YW	A-A-59312D	150	Sand Yellow, RAL#1002, RHS9-00002
Truck, 1/4 ton, Cargo (utility veh, i.e., jeep) 4x4	MILT45338 TYPE4 CLASS A	2320015009498	GSA 66	23	Sand Yellow, RAL#1002, RHS9-00002
Ambulance 4x4 (3/4 Ton 4X2 and 4X4)	KKK-A-1822A	2310011259516	KKK-A-1822F	8	Sand Yellow, RAL#1002, RHS9-00002
Trucks, 2.5 ton, stake side, platform, 1 - 4.5 ton (2.5 ton wanted)	KKK-T-2107 TYPE 111 C	2320013022698	GSA 129	60	Sand Yellow, RAL#1002, RHS9-00002
Pickup trk, std size, reg cab 4x2	FED-STD-307 TYPE V CLASS D	2320005802954	GSA 41	125	Sand Yellow, RAL#1002, RHS9-00002
Truck Transporter Vehicles 3-6Ton Wrecker/Recovery (Tilt bed)	815tr	2320014751993	GSA 978	4	Sand Yellow, RAL#1002, RHS9-00002
Truck Tractor 20 Ton 6x4	3H566461	2320002711432	GSA 622B	4	Sand Yellow, RAL#1002, RHS9-00002
Truck, Tanker, Refuel, 6K Gal	A/S 32R-11	2320004335695	MIL-PRF-32080G	8	Sand Yellow, RAL#1002, RHS9-00002
Truck Tractor 44500 lbs GVW 6x6 (actual payload: 52K lbs)	KKK-T-2111K	2320015918320	GSA 824	4	Sand Yellow, RAL#1002, RHS9-00002
Truck Cargo 1/2Ton 4x2	8736905	2320011736113	GSA 60	120	Sand Yellow, RAL#1002, RHS9-00002
Truck cargo 10 Ton 6x4 DED	M977A4	2320014933785	GSA 575	5	Sand Yellow, RAL#1002, RHS9-00002
Sedan Mid size	KKKA00811L	2310010747736	GSA 10 B	60	White
Tractor Whse 4K and Over	MIL-T-15830	3930010070115	MIL-T-15830H	6	Sand Yellow, RAL#1002, RHS9-00002
Material Hand. Equip. Order Picker EED	223000-34239	3930015756666	A-A-58069A	34	Sand Yellow, RAL#1002, RHS9-00002
Van Step Multi- Stop 4x2 GED	MILT45338	2320007025877	GSA 134	20	Sand Yellow, RAL#1002, RHS9-00002
Pick Up, Std Size, Crew Cab, 4x2	FED-STD-307 TYPE V C	2320009650640	GSA 50	64	Sand Yellow, RAL#1002, RHS9-00002
Pick Up Std size Crew Cab 4x4	FED-STD-292	2320010878223	GSA 57	40	Sand Yellow, RAL#1002, RHS9-00002
Van Cargo Medium Size	FED-STD 307/V111/D	2320010132754	GSA 34	10	Sand Yellow, RAL#1002, RHS9-00002

Van Panel Small Size 4x2 GED		2320015756178	GSA 31	45	Sand Yellow, RAL#1002, RHS9-00002
Forklift 6K lbs EED	WRMME3930-565	3930004692039	A-A-58068A	27	Sand Yellow, RAL#1002, RHS9-00002
Forklift 10K lbs DED RT	10K 930K 452-0820	3930004889695 CT	MIL-PRF-83812D	14	Sand Yellow, RAL#1002, RHS9-00002
Forklift 50K lbs	A-A-59424	3930014662860	A-A-59424A	5	Sand Yellow, RAL#1002, RHS9-00002
Forklift Container Handler 50 Ton	PD02LEEV11	3930014958475	A-A-59792	5	Sand Yellow, RAL#1002, RHS9-00002
Forklift 6K Plus (6K to 9999) lbs GED/DED	MIL	3930010525219	MIL-PRF-32181B	80	Sand Yellow, RAL#1002, RHS9-00002
Forklift 4K lbs EED		3930000539175	A-A-59831A	35	Sand Yellow, RAL#1002, RHS9-00002
Forklift 4K lbs or Less GED/DED	H150B	3930014330885	A-A-58080C	30	Sand Yellow, RAL#1002, RHS9-00002
Forklift 15K lbs Conventional	MIL-T-52864	3930010113650	A-A-58067B	25	Sand Yellow, RAL#1002, RHS9-00002
Bus, 28-30 Passenger	KKK-B-1579	2310013578985	Comm. 28-30 Passenger Bus	23	Sand Yellow, RAL#1002, RHS9-00002
Bus, 45 Passenger	S45DM	2310013578986	Commercial 45 Passenger Bus	1	Sand Yellow, RAL#1002, RHS9-00002
Crane 65 Ton Self prop/ Truck mounted	MIL-C-28564B	3810010388315	A-A-59218	5	Sand Yellow, RAL#1002, RHS9-00002
Sweeper Road and Runway	OOS875	3825011072438	OO-S-2796	12	Sand Yellow, RAL#1002, RHS9-00002
Distributor, Water, Truck Mounted 1.5K Gallons	KKK-T-2109 TYPE VI	3825005541808	MIL-D-52987A	4	Sand Yellow, RAL#1002, RHS9-00002
Semi-Trailer Low Bed 25 Ton	M172A1	2330008997526	MIL-S-45152H	5	Sand Yellow, RAL#1002, RHS9-00002
Semi-Trailer Low Bed 60 Ton	MILS45152	2330003492572	MIL-S-45152H	5	Sand Yellow, RAL#1002, RHS9-00002
Trailers, Tankers, Fuel, 600 gal	CID-2330-0112	2330015585334	A-A-58091C	4	Sand Yellow, RAL#1002, RHS9-00002
Trailers, Misc Commercial (platform, warehouse)	AM32H6	3920004809774 CT	MIL-T-38457	20	Sand Yellow, RAL#1002, RHS9-00002
Floodlight Assys (Light Carts), 2 wheeled	MLC4062AF	6230015267828 RN	MIL-PRF-32494	34	Sand Yellow, RAL#1002, RHS9-00002

**Appendix 5. 90 Day Delivery Requirement After Receipt of Order (ARO)**

NOMENCLATURE	Recommended Part Number	Master NSN	Spec's	BEQ	Color
Pickup trk, std size, reg cab 4x2	FED-STD-307 TYPE V CLASS D	2320005802954	GSA 41	125	Sand Yellow, RAL#1002, RHS9-00002
Truck Cargo 1/2 Ton 4x2	8736905	2320011736113	GSA 60	120	Sand Yellow, RAL#1002, RHS9-00002
Truck cargo 10 Ton 6x4 DED	M977A4	2320014933785	GSA 575	5	Sand Yellow, RAL#1002, RHS9-00002
Sedan Mid size	KKKA00811L	2310010747736	GSA 10 B	60	White
Tractor Whse 4K and Over	MIL-T-15830	3930010070115	MIL-T-15830H	6	Sand Yellow, RAL#1002, RHS9-00002
Van Step Multi-Stop 4x2 GED	MILT45338	2320007025877	GSA 134	20	Sand Yellow, RAL#1002, RHS9-00002
Pick Up, Std Size, Crew Cab, 4x2	FED-STD-307 TYPE V C	2320009650640	GSA 50	64	Sand Yellow, RAL#1002, RHS9-00002
Pick Up Std size Crew Cab 4x4	FED-STD-292	2320010878223	GSA 57	40	Sand Yellow, RAL#1002, RHS9-00002
Van Cargo Medium Size	FED-STD 307/V111/D	2320010132754	GSA 34	10	Sand Yellow, RAL#1002, RHS9-00002
Van Panel Small Size 4x2 GED		2320015756178	GSA 31	45	Sand Yellow, RAL#1002, RHS9-00002
Forklift 6K lbs EED	WRMME3930-565	3930004692039	A-A-58068A	27	Sand Yellow, RAL#1002, RHS9-00002
Forklift 6K Plus (6K to 9999) lbs GED/DED	MIL	3930010525219	MIL-PRF-32181B	80	Sand Yellow, RAL#1002, RHS9-00002
Forklift 4K lbs EED		3930000539175	A-A-59831A	35	Sand Yellow, RAL#1002, RHS9-00002
Forklift 4K lbs or Less GED/DED	H150B	3930014330885	A-A-58080C	30	Sand Yellow, RAL#1002, RHS9-00002
Forklift 15K lbs Conventional	MIL-T-52864	3930010113650	A-A-58067B	25	Sand Yellow, RAL#1002, RHS9-00002
Trailers, Misc Commercial (platform, warehouse)	AM32H6	3920004809774 CT	MIL-T-38457	20	Sand Yellow, RAL#1002, RHS9-00002
Floodlight Assys (Light Carts), 2 wheeled	MLC4062AF	6230015267828 RN	MIL-PRF-32494	34	Sand Yellow, RAL#1002, RHS9-00002



**Appendix 6. 180 Day Delivery Requirement After Receipt of Order (ARO)**

NOMENCLATURE	Recommended Part Number	Master NSN	Spec's	BEQ	Color
Rescue Trucks	A-A-59152	4210014525121	A-A59152D	2	Yellow
Tractor Tow Bobtail	A-A-59312	1740010688945 YW	A-A-59312D	150	Sand Yellow, RAL#1002, RHS9-00002
Truck, 1/4 ton, Cargo (utility veh, i.e., jeep) 4x4	MILT45338 TYPE4 CLASS A	2320015009498	GSA 66	23	Sand Yellow, RAL#1002, RHS9-00002
Ambulance 4x4 (3/4 Ton 4X2 and 4X4)	KKK-A-1822A	2310011259516	KKK-A-1822F	8	Sand Yellow, RAL#1002, RHS9-00002
Trucks, 2.5 ton, stake side, platform, 1 - 4.5 ton (2.5 ton wanted)	KKK-T-2107 TYPE 111 C	2320013022698	GSA 129	60	Sand Yellow, RAL#1002, RHS9-00002
Truck Transporter Vehicles 3-6 Ton Wrecker/Recovery Tilt bed)	815tr	2320014751993	GSA 978	4	Sand Yellow, RAL#1002, RHS9-00002
Truck Tractor 20 Ton 6x4	3H566461	2320002711432	GSA 622B	4	Sand Yellow, RAL#1002, RHS9-00002
Truck Tractor 44500 lbs GVW 6x6 (actual payload: 52K lbs)	KKK-T-2111K	2320015918320	GSA 824	4	Sand Yellow, RAL#1002, RHS9-00002
Material Hand. Equip. Order Picker EED	223000-34239	3930015756666	A-A-58069A	34	Sand Yellow, RAL#1002, RHS9-00002
Bus, 28-30 Passenger	KKK-B-1579	2310013578985	Commercial 28-30 Passenger Bus	23	Sand Yellow, RAL#1002, RHS9-00002
Sweeper Road and Runway	OOS875	3825011072438	OO-S-2796	12	Sand Yellow, RAL#1002, RHS9-00002
Distributor, Water, Truck Mounted 1.5K Gallons	KKK-T-2109 TYPE VI	3825005541808	MIL-D-52987A	4	Sand Yellow, RAL#1002, RHS9-00002
Semi-Trailer Low Bed 25 Ton	M-S-45152	2330008997526	MIL-S-45152H	5	Sand Yellow, RAL#1002, RHS9-00002
Semi-Trailer Low Bed 60 Ton	MILS45152	2330003492572	MIL-S-45152H	5	Sand Yellow, RAL#1002, RHS9-00002
Trailers, Tankers, Fuel, 600 gal	CID-2330-0112	2330015585334	A-A-58091C	4	Sand Yellow, RAL#1002, RHS9-00002
Forklift 10K lbs DED RT	10K 930K 452-0820	3930004889695 CT	MIL-PRF-83812D	14	Sand Yellow, RAL#1002, RHS9-00002

**Appendix 7. 270 Day Delivery Requirement After Receipt of Order (ARO)**

<b>NOMENCLATURE</b>	<b>Recommended Part Number</b>	<b>Master NSN</b>	<b>Spec's</b>	<b>BEQ</b>	<b>Color</b>
Fire/Crash Trucks	Striker 3000	4210007026801	A-A59108C	8	Yellow
Tractor Tow Acft MB4 20K-140K lbs	AA59210	1740005807990 YW	A-A-59210D	39	Sand Yellow, RAL#1002, RHS9-00002
Truck, Tanker, Refuel, 6K Gal	A/S 32R-11	2320004335695	MIL-PRF-32080G	8	Sand Yellow, RAL#1002, RHS9-00002
Forklift 50K lbs	A-A-59424	3930014662860	A-A-59424A	5	Sand Yellow, RAL#1002, RHS9-00002
Forklift Container Handler 50 Ton	PD02LEEV11	3930014958475	A-A-59792	5	Sand Yellow, RAL#1002, RHS9-00002
Bus, 45 Passenger	S45DM	2310013578986	Commercial 45 Passenger Bus	1	Sand Yellow, RAL#1002, RHS9-00002
Crane 65 Ton Self prop/ Truck mounted	MIL-C-28564B	3810010388315	A-A-59218	5	Sand Yellow, RAL#1002, RHS9-00002

## **Appendix 8. Ordering Data**

**Ordering Data can be found in the pages that follow.**

## 1. Ordering Data for Fire Truck

Air Rescue Fire Fighting Truck (ARFF)  
Ordering Data  
NSN 4210007026801 (Master NSN)

The Contractor shall comply with all requirements of CID A-A-59108C for a **3,000 Gal** capacity, **6X6** ARFF unless specifically deleted or changed below:

- a) **Paragraph 3.1.4.1, Temperature Range:** The vehicle shall be cable of satisfactory storage and operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F).
  - Vehicle winterization Package (engine block and battery heaters etc.) is not required
- b) **Paragraph 3.1.3 Identification Plates:**
  - Replace all "USAF" references to "RSAF"
- c) **Paragraph 3.1.2 RSAF Specific Paint Requirement:**
  - Coating Manufacturer** Akzo Nobel
  - Brand** Sikkens
  - Colour** Yellow
  - Brand Reference** FLNA 1219
  - Lettering** No Lettering required
  - Stripes** (pictures provided for illustration purposes only):



Reflective blue and white checkered body stripes of 8 inch width (4M white scotchlite & the blue 3M scotchlite) on both sides of the vehicle(s).

### Hazard Warning Stripes Rear of Vehicles:



Red & Yellow chevrons as per NFPA codes 414 & 1901

- d) All inlets and outlets to be British Instantaneous couplings
- e) Roof and Bumper turrets shall be provided
- f) Extendable turret is not required
- g) All emergency warning lights shall be red in color
- h) Electrical shoreline voltage is 220 volts
- i) Engine fuel type is low sulfur diesel and units of volume in liters

### j) Paragraph 3.5.5 Ancillary Equipment:

Replace CID A-A-59108C paragraph 3.5.5, Ancillary equipment, with RSAF Specific Equipment Package:

- Battery charger/conditioner with auto-eject shoreline receptacle and 60 meters of cable to enable connection to main supply.
- Two (2) 9 kg (20 lb) Class 'D' Metal X dry chemical fire extinguishers.
- Install two (2) rechargeable battery powered flashlights with vehicle charging units (cab).
- One (1) each hooligan tool.
- Three (3) complete sets self-contained breathing apparatus (SCBA) positive pressure, 60 minute duration lightweight fiberglass or composite fibre cylinder meeting the requirement of NFPA 1981(2007) and as per RSAF specifications for SCBA provided upon request, c/w IPass or Pass system, three(3) spare cylinders, SCBA Control Board, guide line, personal line and tallies.
- One (1) hydrant wrench (universal), and one (1) set of spanner wrenches.
- Two (2) emergency hand crash axes with fiberglass handles resistant to 20,000 volts.
- Two (2) crash rescue tool kits (Tool Rolls).
- One (1) 9 meter (30 ft) lightweight aluminum two-piece extension ladder mounted on a ladder rack device which lowers the ladder to a height whereby fire fighters can remove and replace the ladder whilst standing on the ground.
- One (1) roof mounted Little Giant extendable 'A' Frame ladder.
- Two (2), large serrated edge crash axes with insulated fiberglass handles.
- Three (3) 50-350 GPM nozzles with automatic pressure control (slide type valve) with 64mm.
- Ten (10) 25 meter (75 ft) sections of 45 mm (1.75 in) lightweight red synthetic nitrile rubber reinforced hoses with 64mm (2.5 in) British Instantaneous couplings.
- Four (4) 25 meter (75 ft) sections of 2 1/2 -inch lightweight red synthetic nitrile rubber reinforced hoses with 64 mm (2.5 in) British Instantaneous couplings.
- Twenty (20) 22.6 kg (50 lb) pails of Purple-K dry chemical.
- One (1) stainless steel piercing nozzle tool with heat treated penetrating tip with 1.5 inch NST Coupling and pistol grip suitable for one man operation.
- Hose coupling adaptors:
  - 2 x 2.5 inch Male instantaneous to 2.5 inch Male NST
  - 2 x 2.5 inch Female instantaneous to Female NST 2.5 inch
- 25 person First Aid Kit.
- Power Saw with 14 inch blade, 2 stroke gasoline c/w 2 x metal carbide tip blades and 6 x metal cutting, 6 x masonry cutting blades, Tools, Gasoline Can, Safety Goggles and Ear Defenders.
- Heavy duty 24" cable cutters will be supplied with bracket
- A 36" heavy duty painted steel bolt cutter with insulated grip handles will be supplied with bracket.
- One (1) rope bag with 30.5 meter (100') of 1.6cm (5/8") diameter rescue rope.
- One set of folding wheel chocks and mounting brackets.
- Emergency road kit consisting of at least the following items:
  - Two highway warning triangles
  - Two 20 minute flares
  - One reflective vest
  - Two cyalume light sticks
  - One water resistant storage bag

k) **Paragraph 3.6.5.2 Optional equipment:** Not applicable

## 2. Ordering Data for Fire Truck

Rescue Truck  
Master NSN 4210014525121

The Contractor shall comply with all requirements of CID A-A-59152D for a 4x4 **Medium Rescue Truck** unless specifically deleted or changed below:

- a) **Paragraph 2.1.1.2 Temperature Range:** The vehicle shall be cable of satisfactory storage and operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F).  
- Vehicle winterization Package (engine block and battery heaters etc.) is not required
- b) **Paragraphs 2.1.8.1.1; 2.1.8.1.2 and 2.1.8.1.3 Manuals:** The contractor shall provide Commercial Manuals
- c) **Paragraph 2.1.9 RSAF Specific Paint Requirement:**
- |                             |   |
|-----------------------------|---|
| <b>Coating Manufacturer</b> | Akzo Nobel  |
| <b>Brand</b>                | Sikkens   |
| <b>Colour</b>               | Yellow  |
| <b>Brand Reference</b>      | FLNA 1219   |
| <b>Lettering</b>            | No Lettering required                               |
| <b>Stripes</b>              | (pictures provided for illustration purposes only): |

Reflective blue and white chequered body stripes of 4 inch width (4M white scotchlite & the blue 3M scotchlite) on both sides of the vehicle(s).

- d) **Paragraph 2.1.9.4 Hazard Warning Stripes Rear of Vehicles:**



Red & Yellow chevrons as per NFPA codes 414 & 1901



- e) All emergency warning lights shall be red in color
- f) Electrical shoreline voltage is 220 volts, 50 Hz
- g) Engine fuel type is low sulfur diesel and units of volume in liters
- g) Equipment Package Rescue Vehicle:**
- Battery charger/conditioner with auto-eject shoreline receptacle and 60 meters of cable to enable connection to main supply.
  - Provide a minimum 5 KW generator with muffler, 115/230 volt, electric 12-volt DC start. Generator shall be mounted in the forward body compartment with hinged access cover over top. Circuit breaker/box shall be located in the same compartment.
  - Two (2) 2.7 kg. (6 lb.) pick-head axe with fiberglass handle.
  - One (1) 9 kg. (20 lb.) ABC multi-purpose dry chemical extinguisher with bracket.
  - Two (2) spring loaded window punches.
  - One (1) hooligan tool, one (1) 1.5 meter crow bar, one (1) x 24 inch heavy duty bolt cutter and one (1) x 36 inch heavy duty bolt cutter

- Two (2) 10 kg. (22 lb.) Class D Dry Chemical fire extinguisher with bracket.
- Two (2) portable halogen flood lights (500 watt) complete with extendable tripod and base for ground mountings.
- Provide two (2) electric cord reels with 61 meter (200') of 12/3 cable with twist lock connectors. The reels shall be top mounted, on each inside left and right rear body compartments.
- One (1) 9 kg (20lb) Carbon Dioxide Fire Extinguisher with bracket.
- One 9 litre (2.5gal) Water Fire Extinguisher with bracket.
- One (1) 2.4 kg. (5 lb.) sledge hammer.
- One (1) First Aid Kit (25 person)
- Four (4) waterproof and intrinsically safe hand-held flashlights with rechargeable maintenance free batteries c/w chargers and mounted in the cab.
- Two (2) lightweight folding stretchers with patient restraint straps.
- Four (4) rope bags with 30.5 meter (100') of 1.6 cm (5/8") diameter rescue rope.
- One (1) aircraft rescue tool kit contained in weather proof canvas roll.
- One (1) electrically powered, single phase, 60 Hz, 2856 CFM smoke ejector. Fan must come complete with at least a 35 ft ventilation tube which can be attached to main operating unit.
- Power Saw with 14 inch blade, 2 stroke gasoline c/w 2 x metal carbide tip blades and 6 x metal cutting, 6 x masonry cutting blades, Tools, Gasoline Can, Safety Goggles and Ear Defenders.
- Four (4) self-contained breathing apparatus (SCBA) with 60 minute lightweight composite or fiberglass cylinder. NFPA 1981 compliant and as per RSAF specifications c/w Tally, Pass or IPass system.
- Four (4) spare 60 minute lightweight composite or fiberglass SCBA cylinders, SCBA Control board and Guide Line.
- One wheeled type gasoline powered positive pressure smoke ejector fan. Fan must come complete with at least a 35 ft ventilation tube which can be attached to main operating unit.
- One set of pneumatic rescue tools and operating cylinder.
- A standard flat shovel with a wooden handle will be provided.
- 2 x Salvage sheets minimum size 12ft x 14ft (3.7m x 4.3m).
- 4 x Wheel Chocks.
- 1.8 meter (6') Pike pole with fiberglass handle.
- 2.4 meter (8') Pike pole with fiberglass handle.
- 4.87 meter (16') two-section aluminum extension ladder.
- **Provide heavy duty hydraulic rescue tools and equipment:**
  - Hydraulic Power Unit, 4-cycle gasoline powered unit with selector to allow connection of two tools.
  - A multi-tool manifold with dump valve.
  - Hydraulic combination cutting/spreading tool.
  - Hydraulic spreading tool.
  - Hydraulic Telescoping 30 ram (or approved equal).
  - Hydraulic (Combo) Combination battery powered tool.
  - Manual hand pump to provide emergency back-up power.
  - Seven (7) liters (quarts) of fire resistant hydraulic fluid.
  - Set of blocks and wedges for cribbing.



- Four (4) hydraulic hose sets with dust caps; 9.1 meter length (30') each set. Provide hose sets in two colors (red and yellow).
- One (1) 3.7 meter (12') pulling chain with slip and grab hooks.
- Chain and shackle package for hydraulic combination tool.
- **Air Bags will be provided as follows:**
  - One set of low pressure air lifting bags c/w two (2) low pressure lifting bags, reducer, controls with pressure relief valve, hoses and carrying bag.
  - One set of high pressure air lifting bags c/w seven (7) high pressure air bags with different dimensions and lifting capacity up to 75 tonnes, regulator, control valves with relief valve, high pressure hoses and carrying case.
  - Provide a heavy duty front mounted Winch 3.629 kg. (8,000 lb.) rated line pull reversible 12-volt electric winch with 45.7 meter (150') of cable with replaceable clevis hook. The front of the apparatus shall be equipped with full captive type four-way roller and guide assembly. The control of the winch shall be outside of the cab, with a plug-in remote control unit. The unit shall have 3 meters (10') of remote control cable with forward-neutral-reverse dead man type of hand control.

3. Ordering data for Tractor AirCraft Towing (MB-4)

TRACTOR, AIRCRAFT TOWING, MB-4

Ordering Data

Master NSN 1740005807990

The Contractor shall comply with all requirements of CID A-A-59210D for a **Class 1 Tow Tractor without air system** unless specifically deleted or changed below:

- a) **Paragraph 3.2.1.2, Finish.** The final color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- b) **Paragraph 3.2.1.4, Corrosion Protection for shipment**
  - Tow tractors procured in CONUS and shipped to Saudi Arabia shall comply with the application of temporary corrosion protection IAW paragraph 3.2.1.4
  - Tow tractors procured from in-Kingdom Sources - The vendor is responsible for ensuring adequate corrosion protection is applied during transport from manufacturing sources. Presence of corrosion shall be grounds for rejection.
- c) **Paragraph 3.3.1, Operating Temperature Range:** The tow tractor shall be cable of satisfactory operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F).  
- Vehicle winterization Package (engine block and battery heaters etc.) is not required
- d) **Paragraph 3.3.2, Storage Temperature Range:** The tow tractor shall be cable of satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F).
- e) **Paragraph 3.7.6, Winterization System:** Vehicle winterization Package (engine block and battery heaters etc.) is notrequired

4. Ordering data for Tractor AirCraft Towing Flight Line  
Flight Line Tow Tractor (FLTT)  
Ordering Data  
Master NSN 1740010688945 YW

The Contractor shall comply with all requirements of CID A-A-59312D for a **Class 1 – Two-wheel drive FLTT**, unless specifically deleted or changed below:

- a) **Paragraph 3.2.1.2, Finish.** The final color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- b) **Paragraph 3.2.1.4, Corrosion Protection for shipment**
  - Tow tractors procured in CONUS and shipped to Saudi Arabia shall comply with the application of temporary corrosion protection IAW paragraph 3.2.1.4
  - Tow tractors procured from in-Kingdom Sources - The vendor is responsible for ensuring adequate corrosion protection is applied during transport from manufacturing sources. Presence of corrosion shall be grounds for rejection.
- c) **Paragraph 3.2.11, Air System** – An air system for towing trailers with air brakes is not required.
- d) **Paragraph 3.3.1, Operating Temperature Range:** The tow tractor shall be cable of satisfactory operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F).  
- Vehicle winterization Package (engine block and battery heaters etc.) is not required
- e) **Paragraph 3.3.2, Storage Temperature Range:** The tow tractor shall be cable of satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F).

5. Ordering data for Pickup 4X4 1/4 Ton

**Result for FAS Vehicle Standards Information Fiscal Year 2018**

**Minimum/Optional Equipment for 66C - 4X4 PICKUP, COMPACT, EXTENDED CAB, MIN 4200 LBS GVWR**

A compact size pickup with an extended cab shall be provided. The vehicle shall be equipped with the specified length flush style, double walled construction metal bed and tailgate with stays, providing a maximum of 114cm (45in) unobstructed space between wheel housings on the floor. The cab shall have a minimum of 2 rear hinged access doors and 2 windows per side. A rear seating arrangement in the cab for a minimum of two (2) passengers shall be provided.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

**Minimum Requirements**

GSA Components	GSA Min Req	GM COLORADO
<b>Body/Chassis</b>		
XLT - TRIM LEVEL		4WT
MFMC - MFG. MODEL CODE		12M53
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	4200 / 6010	5600
BED - PICKUP BED, LOAD LENGTH min. ft.	6	6' 2"
WB - WHEELBASE		128"
BODY - BODY STYLE	Smooth side	smooth side
<b>Engine Minimums</b>		
ET - ENGINE TYPE - Cylinders / Liters		2.5L 4 cyl
HP - HORSEPOWER		194
TORQ - TORQUE (lb ft)		190
<b>Transmission</b>		
T2 - AUTOMATIC TRANSMISSION		6 sp auto
TRC - TRANSFER CASE		2 speed
<b>Rear Axle Differential</b>		
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC		comply
<b>Drive Axle</b>		
AXLE - PRIMARY DRIVE AXLE	Rear	rear
DIF - DIFFERENTIAL TYPE/RATIO		4.10
<b>Electrical</b>		
ALT - ALTERNATOR, MIN. (Amps)		150
<b>Fuel</b>		
FUEL - FUEL TYPE		Gasoline Dedicated
FC - FUEL CAPACITY MIN US GALLONS		21
<b>Exterior</b>		
SP - SKID PLATES		NA
<b>Doors and Windows</b>		
RKE - REMOTE KEYLESS ENTRY		comply
DOOR - DOORS	4	4
WN - WIPERS-WINDSHIELD-INTERMITTENT		comply
PWL - POWER WINDOWS & DOOR LOCKS		front only
<b>Lights and Lighting</b>		
DRL - DAYTIME RUNNING LIGHTS		comply
<b>Interior</b>		
CRTS - CRUISE CONTROL AND TILT STEERING		comply
AC - AIR CONDITIONING		comply
PS - POWER STEERING		comply
UPH - UPHOLSTERY	Cloth	comply
<b>Floor</b>		
FLCV - FLOOR COVERING	Carpet	comply
<b>Radio</b>		
RAX - AM/FM RADIO with AUXILIARY INPUT		AM/FM Stereo w Aux imp.
<b>Seats</b>		
RS - RECLINING BUCKET/CAPTAINS CHAIRS		comply
SEAT - SEATING CAPACITY min.	5	4
<b>Safety</b>		
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL		comply
CBU - BACKUP CAMERA		comply
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1		comply

SRS2 - SIDE SUPPLEMENTAL RESTRAINT SYSTEM ROW 2		comply
BTCP - Blue Tooth compatible hands free phone system		comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		comply
<b>Tires and Wheels</b>		
PLAB - TIRE PRESSURE MONITORING SYSTEM		comply
STA - SPARE TIRE ASSEMBLY		Compact
HUBS - FRONT WHEEL LOCKING HUBS		automatic
TIRE - TIRES		P265/70R16 AS
<b>Towing</b>		
FTH - FRONT TOW HOOKS		comply
BPR2 - REAR BUMPER	Step type	comply
<b>Warranty</b>		
WARR - OEM COMPREHENSIVE WARRANTY	3 yr/36,000 mile bumper to bumper	3 year/36,000 miles
WARP - OEM POWERTRAIN WARRANTY		5 years/100,000 miles
WARC - OEM CORROSION WARRANTY		6 years/100,000 miles
WARA - ROADSIDE ASSISTANCE		5 years/100,000 miles

## Optional Equipment

GSA Components	GM COLORADO
<b>Engines</b>	
IE1 - Increased Power Engine 1	Package
YD - DIESEL ENGINE	Package
IE2 - Increased Power Engine 2	N/A
DE1 - Decreased Power Engine	N/A
<b>Alternative Fuel</b>	
E85 - ETHANOL FLEXIBLE FUEL	N/A
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Package
<b>Engine Accessories</b>	
OLS - OIL LIFE SYSTEM	Standard
EH - ENGINE BLOCK HEATER, OEM	Stand Alone
<b>Transmission</b>	
T5 - 5 SPEED MANUAL TRANSMISSION	N/A
T6 - TRANSMISSION MANUAL - 6 FORWARD AND 1 REVERSE	N/A
TCES - ELECTRONIC SHIFT TRANSFER CASE, DASH MOUNTED CONTROL	Standard
<b>Drive Axle</b>	
D7 - TOWING/MOUNTAIN RATIO	Standard
<b>Electrical</b>	
IA1 - Increased Output Alternator 1	N/A
IA2 - Increased Output Alternator 2	N/A
<b>Exterior</b>	
BL - BEDLINER, OEM PLASTIC DROP-IN	N/A
BLS - BEDLINER, OEM SPRAY-ON	Stand Alone
<b>Doors and Windows</b>	
DTG - DARK TINTED GLASS	N/A
SRG - SLIDING REAR WINDOW	Package
<b>Electronics Audio Visual</b>	
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard
OS - ON STAR	Package
SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A
NAV - NAVIGATION SYSTEM	Package
<b>Interior</b>	
SK - METRIC SPEEDOMETER / ODOMETER	N/A
<b>Floor</b>	
RF - VINYL FLOOR COVERING	Stand Alone
<b>Safety</b>	
AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A
PAFR - PARKING ASSIST, FRONT AND REAR	N/A
SBAS - SEAT BELT ALERT SYSTEM	Stand Alone
SRO - OEM REVERSE OBSTACLE SENSOR	N/A
LDW - LANE DEPARTURE WARNING SYSTEM	Package
FCAS - FORWARD COLLISION ALERT SYSTEM	Package
<b>Suspension</b>	
ORSP - OFF ROAD SUSPENSION PACKAGE	Package
<b>Tires and Wheels</b>	
AT - ALL TERRAIN TIRE TREAD	Package
<b>Towing</b>	
CTBP - OEM TRAILER BRAKE CONTROLLER PRE-WIRING	Package
CTB - OEM TRAILER BRAKE CONTROLLER	Package
<b>Receiver Hitch</b>	
RH3 - OEM DRAW BAR RECEIVER CLASS III	Package
RH4 - OEM DRAW BAR RECEIVER CLASS IV	N/A
<b>Delivery</b>	

CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Package
<b>Delivery outside CONUS</b>	
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Package
DDRG - DEALER DELIVERY GUAM	N/A
DDRH - DEALER DELIVERY HAWAII	Package
DDRP - DEALER DELIVERY PUERTO RICO	Package
<b>Export Delivery</b>	
1611 - OEM EXPORT DOCUMENT FEE	Package
<b>Law Enforcement Options</b>	
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone
<b>Miscellaneous</b>	
MIL - DATA PLATE AND DD250	N/A
PSM - PARTS AND SERVICE MANUALS	Package
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	Package
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Package
NMY - NEXT MODEL YEAR VEHICLE	N/A

## 6. Ordering data for Ambulance 4X4

### Ambulance Type I 4x4 Ordering Data (KKK-A-1822F)

The Contractor shall comply with all requirements of Federal Specification KKK-A-1822F **Type I Ambulance** (10,001 to 14,000 GVWR) unless specifically deleted or changed below:

#### **Basic specifications and construction (Standard Equipment)**

- Paragraph 3.1.2 Type I ambulance - Shall be a cab chassis furnished with a modular ambulance body
- Paragraph 3.4.2.1 Operating Temperature Range - The ambulance and equipment shall be operable in ambient temperature ranging from 6°C - 51°C (21.2°F - 123°F).
- Paragraph 3.6.3.2 Vehicle winterization Package (engine block and battery heaters etc.) is not required
- Paragraph 3.15.4.7 Option AWD is specified, the OEM 4X4 chassis shall be furnished per specification.
- Paragraph 3.15.4.7 Option K02A is specified, the chassis shall have OEM automatic electric “shift on the fly” system
- Paragraph 3.15.4.27 Option K12 is specified, an auxiliary air conditioning condenser shall be provided which will allow for maximum system performance
- Paragraph 3.16 Color, Paint and Finish – Standard gloss white with solid uninterrupted orange stripe and blue letterings and emblems.
- Paragraph 3.16.4 Markings: Star of Life emblem is not required.



## 7. Ordering data for Truck 2.5 Ton Stake Side

### Result for FAS Vehicle Standards Information Fiscal Year 2018

#### Minimum/Optional Equipment for 129 - 4X4 STAKE BED TRUCK, REGULAR CAB, MIN 10,001 LBS GVWR

The stake body vehicle specified shall utilize a current model year 2 door regular cab chassis as defined by Standard Item 79A.

The equipment listed below shall be the minimum furnished on this vehicle.

1. A steel frame platform, with cross sills of minimum 11 gauge carbon steel located on maximum 18 inch centers
2. The over all body width shall be 92 to 96 in
3. The floor shall be of tongue and groove or ship lapped wood, minimum 1.125 in thickness. Wood shall be apitong or similar type of hardwood. Pressure treated dense Southern Yellow Pine is acceptable.
4. The body shall have removable interlocking rack sections, minimum 28 in high, and each equipped with a spring-loaded device to lock them to the body. Stake racks and platform body shall be painted black.
5. Rear wheels shall be furnished with mud flaps at the rear.
6. Rear impact guards (underride protection) and rear end protection shall be furnished conforming to FMCSR 393.86 and shall be painted black.
7. The spare tire/wheel assembly shall be mounted on a carrier on a front rack section, or under the chassis.
8. Dump stake bodies shall incorporate structural steel channel long sills.
9. Wiring harness for the body shall have overload protection and be enclosed in conduit or plastic loom, except at terminal ends, and shall be secured by hangers to the underbody on not more than 18 in centers.
10. The front rack section shall be capable of withstanding a horizontal static load equal to one-half the payload capacity of the load space without permanent distortion of the rack section or its mounting.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

Minimum Requirements				
GSA Components	GSA Min Req	JOHNSONS OF KINGFISHER 3500	BRASADA / NORTHSIDE FORD F350	REATA / WOMMACK CHEVROLET K3500
<b>Body/Chassis</b>				
XLT - TRIM LEVEL		TRADESMAN	640A	1WT
MFMC - MFG. MODEL CODE		DD8L63	F3H	CK36003
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	10001 / 14000	13,500 LBS GVWR	14000	13200
<b>Cab to Axle (CA) Measurement</b>				
C2A - CAB TO AXLE, INCHES	60	60	60	60
<b>Engine Minimums</b>				
ET - ENGINE TYPE - Cylinders / Liters		8/6.4L	8/6.2	8/6.0L
HP - HORSEPOWER		367	316	360
TORQ - TORQUE (lb ft)		429	397	380
<b>Engine Accessories</b>				
EHM - ENGINE HOUR METER		Comply	comply	COMPLY
<b>Transmission</b>				
T2 - AUTOMATIC TRANSMISSION	4 - Speed	6 Speed	6 speed + Manual Mode	6 SPEED
TRC - TRANSFER CASE	2 - Speed	2 Speed	comply	2 SPEED
<b>Rear Axle Differential</b>				
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC		Comply	comply	comply
<b>Drive Axle</b>				
AXLE - PRIMARY DRIVE AXLE	Rear	Rear	comply	REAR
DIF - DIFFERENTIAL TYPE/RATIO	Regular / Mfg. std.	4.10	3.73 LS	4.10
<b>Electrical</b>				
ALT - ALTERNATOR, MIN. (Amps)	125	180 Amps	200	150
BATT - BATTERY, MIN. (CCA)		730 CCA	650	720
<b>Fuel</b>				
FUEL - FUEL TYPE		Gasoline Dedicated	E85 Flex-Fuel	Gasoline Dedicated
FC - FUEL CAPACITY MIN US GALLONS		52 Gallons	40	64 GAL
<b>Exterior</b>				
RM - EXTRA WIDE MIRRORS		Comply	comply	COMPLY
SP - SKID PLATES	Req	Comply	Not available	COMPLY
<b>Doors and Windows</b>				
DOOR - DOORS	2	2	comply	2
LOCK - KEYED DOOR LOCK(S)		left and right	left and right	left only
<b>Lights and Lighting</b>				
DRL - DAYTIME RUNNING LIGHTS		Comply	comply	COMPLY
<b>Interior</b>				
UPH - UPHOLSTERY	Vinyl	Vinyl	comply	VINYL
<b>Floor</b>				
FLCV - FLOOR COVERING	Vinyl	Vinyl	comply	VINYL
<b>Radio</b>				

RAX - AM/FM RADIO with AUXILIARY INPUT		Comply	comply	COMPLY
<b>Seats</b>				
SEAT - SEATING CAPACITY min.	3	3	comply	COMPLY
SF - SPLIT FRONT BENCH SEAT	Req	40/20/40	comply	COMPLY
<b>Safety</b>				
BTCP - Blue Tooth compatible hands free phone system		Comply	comply	COMPLY
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS	Req	Comply	comply	COMPLY
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER	Req	Comply	comply	COMPLY
<b>Tires and Wheels</b>				
LRT - LOAD RANGE		E	E	E
STA - SPARE TIRE ASSEMBLY		Full Size	comply	COMPLY
HUBS - FRONT WHEEL LOCKING HUBS	OEM std	manual	automatic	automatic
TIRE - TIRES	Dual Rear	LT235/80R17E AS	LT245/75Rx17E/AS	LT235/80R17 AS
<b>Towing</b>				
FTH - FRONT TOW HOOKS		Comply	comply	COMPLY
<b>Vendor Furnished Body Items</b>				
B09 - BODY LENGTH, 9 FT		B09	comply	comply
BUAV - BACK-UP ALARM		BUAV	comply	comply
LEDV - BODY EXTERIOR DOT LIGHTING, LED		LEDV	comply	COMPLY
<b>Warranty</b>				
WARR - OEM COMPREHENSIVE WARRANTY	3 yr/36,000 mile bumper to bumper	3 YR/36,000 MILES	comply	3YR/36,000
WARP - OEM POWERTRAIN WARRANTY		5 YR/100,000 MILES	5 yr / 60,000	5YR/100,000
WARC - OEM CORROSION WARRANTY		5 YR/100,000 MILES	5 yr/Unlimited Miles	6YR/100,000
WARV - CONTRACTOR COMPREHENSIVE BODY WARRANTY	1 yr / 12000 miles	1 YR/12,000 MILES	comply	1YR/12,000 MILES

## Optional Equipment

GSA Components	JOHNSONS OF KINGFISHER 3500	BRASADA / NORTHSIDE FORD F350	REATA / WOMMACK CHEVROLET K3500
<b>Body/Chassis</b>			
WR - INCREASED GVWR	Package	N/A	Stand Alone
WR2 - INCREASE GCWR	N/A	N/A	Standard
<b>Engines</b>			
IE1 - Increased Power Engine 1	N/A	N/A	Stand Alone
YD - DIESEL ENGINE	Package	Package	Package
IE2 - Increased Power Engine 2	N/A	N/A	N/A
<b>Alternative Fuel</b>			
E85 - ETHANOL FLEXIBLE FUEL	N/A	Package	N/A
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Package	Package	Package
<b>Engine Accessories</b>			
OLS - OIL LIFE SYSTEM	Standard	Standard	Standard
TES - ENGINE SHUT DOWN TIMER	Stand Alone	Package	N/A
FFP - COOLANT HEATER-FUEL FIRED	N/A	Package	N/A
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone	N/A
<b>Transmission</b>			
T6 - TRANSMISSION MANUAL - 6 FORWARD AND 1 REVERSE	Package	N/A	N/A
<b>Transmission Accessories</b>			
PT - POWER TAKE OFF OPENING	Package	Package	Package
<b>Drive Axle</b>			
ATC - AUTOMATIC TRACTION CONTROL	Standard	Standard	Standard
D7 - TOWING/MOUNTAIN RATIO	Standard	Package	Standard
<b>Electrical</b>			
BAT2 - Dual Batteries	N/A	Package	Package
DALT - DUAL ALTERNATORS, OEM	Stand Alone	Package	Package
SU4 - OEM Upfitter Switches, 4	Standard	Standard	Stand Alone
IA1 - Increased Output Alternator 1	Stand Alone	Package	Package
IA2 - Increased Output Alternator 2	N/A	N/A	N/A
<b>Fuel</b>			
AFM - OEM MID-SHIP FUEL TANK	Package	Package	Standard
AF1 - CHASSIS MANUFACTURER'S MAXIMUM AVAILABLE FUEL TANK(S)	Package	Package	Standard
<b>Exterior</b>			
SZ - SNOW PLOW PREP PACKAGE	Package	Package	Stand Alone
<b>Exterior Paint</b>			
595F - PAINT (FOREST SERVICE GREEN)	N/A	Stand Alone	N/A
<b>Doors and Windows</b>			
DTG - DARK TINTED GLASS	Stand Alone	Stand Alone	N/A
RKE - REMOTE KEYLESS ENTRY	Package	Package	Package
RKS - REMOTE KEYLESS START	N/A	Package	Package
SRG - SLIDING REAR WINDOW	Stand Alone	N/A	Stand Alone
PWL - POWER WINDOWS & DOOR LOCKS	Stand Alone	Package	Package
<b>Electronics Audio Visual</b>			
SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A	Package	Stand Alone
<b>Interior</b>			
AH - AUXILIARY HEATER	N/A	Package	N/A
AP - ADJUSTABLE OPERATING PEDALS	N/A	Package	N/A
CR - CRUISE CONTROL	Standard	Stand Alone	Standard
SK - METRIC SPEEDOMETER / ODOMETER	N/A	Package	Standard
CU - CLOTH UPHOLSTERY	Stand Alone	Package	Package
<b>Floor</b>			
CM - CARPETED FLOOR COVERING	Package	Package	Package
MF - FLOOR MATS	Package	Package	Stand Alone
<b>Seats</b>			

RS - RECLINING BUCKET/CAPTAINS CHAIRS	N/A	Package	Stand Alone
RSNC - 2 FR SEATS-NO CENTER CONSOLE-UNFINISHED FLOOR FOR MTG EQUIP	N/A	N/A	Stand Alone
<b>Safety</b>			
CBU - BACKUP CAMERA	Stand Alone	Stand Alone	Stand Alone
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1	N/A	Standard	Package
<b>Tires and Wheels</b>			
AT - ALL TERRAIN TIRE TREAD	Stand Alone	Stand Alone	N/A
LHFM - Front Manual Locking Hubs	N/A	Package	N/A
PLAB - TIRE PRESSURE MONITORING SYSTEM	Stand Alone	Standard	N/A
TD - DELETE SPARE TIRE ASSEMBLY	Stand Alone	Stand Alone	Stand Alone
<b>Towing</b>			
CTB - OEM TRAILER BRAKE CONTROLLER	Stand Alone	Package	Stand Alone
<b>Vendor Furnished Body Items</b>			
IBOX - SUPPLY STORAGE COMPARTMENT	Package	Package	Package
B12 - BODY LENGTH, 12 FEET	Package	Package	Package
UBOX - STORAGE BOX	Stand Alone	Package	N/A
BBS - BULKHEAD, STAKE BODY	Stand Alone	Stand Alone	Stand Alone
BDF - DIAMOND TREAD STEEL FLOOR	Package	Package	Package
BDF4 - FLOORING-BED-RECYCLED MATERIAL	Package	Package	Package
BDS - DUMP HOIST FOR STAKE BODY	Package	Package	Stand Alone
BRH - STAKE RACKS, 40 IN	Stand Alone	Package	Stand Alone
BSF - SMOOTH STEEL FLOOR	Package	Package	Package
HTG - HYDRAULIC LIFT TAILGATE	Package	Package	Stand Alone
HTGR - RAIL TYPE LIFT GATE	Package	Package	Stand Alone
HTGU - HYDRAULIC FOLD UNDER TAIL GATE	Package	Package	N/A
J560 - SEVEN CONDUCTOR ELECTRICAL CONNECTOR	Package	Package	Stand Alone
MBG - FRONT BRUSH GUARD	Package	Package	Package
MEW - WINCH, ELECTRIC	Package	Package	Package
MRS - LED TYPE WARNING LIGHT (Amber)	Stand Alone	Stand Alone	Stand Alone
RBV - RUNNING BOARDS	Stand Alone	Stand Alone	Stand Alone
RH3V - DRAW BAR RECEIVER CLASS III	Package	Package	Package
RH4V - DRAW BAR RECEIVER CLASS IV	Package	Package	Package
<b>Snow and Ice Removal Equipment</b>			
MPS - SNOWPLOW, REVERSIBLE	Package	Package	Package
<b>Delivery</b>			
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone	Stand Alone	Stand Alone
<b>Delivery outside CONUS</b>			
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	Stand Alone	N/A	Stand Alone
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A	Standard
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	Stand Alone	Stand Alone	Stand Alone
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	N/A	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Stand Alone	Stand Alone	Stand Alone
DDRG - DEALER DELIVERY GUAM	N/A	N/A	N/A
DDRH - DEALER DELIVERY HAWAII	Stand Alone	Package	Stand Alone
DDRP - DEALER DELIVERY PUERTO RICO	N/A	N/A	N/A
<b>Export Delivery</b>			
1611 - OEM EXPORT DOCUMENT FEE	Stand Alone	Stand Alone	Stand Alone
<b>Law Enforcement Options</b>			
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone	Stand Alone	Standard
<b>Miscellaneous</b>			
MIL - DATA PLATE AND DD250	Stand Alone	Stand Alone	Stand Alone
PSM - PARTS AND SERVICE MANUALS	N/A	N/A	Stand Alone
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A	N/A	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	N/A	Stand Alone	N/A



## 8. Ordering Data for Pickup Truck Std Size Reg Cab 4X2

### Result for FAS Vehicle Standards Information Fiscal Year 2018

#### Minimum/Optional Equipment for 41 - 4X2 PICKUP, FULL SIZE, REGULAR CAB, MIN 6050 LBS GVWR

A full size pickup with a regular cab shall be provided. The vehicle shall be equipped with the specified length flush style, double walled construction metal bed with stake pockets, and tailgate with stays. The flush side pickup body shall have the bed sides without steps or indentations that reduce cargo volume (except dual wheel vehicles or those equipped with wide tires, where extensions to fenders or flares may be employed). The bed shall provide a minimum of 122 cm (48in) of unobstructed floor space between the wheel housings. The cab shall have 2 doors

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

<b>Minimum Requirements</b>				
GSA Components	GSA Min Req	FCA US LLC 1500	GM C1500	FORD F150
<b>Body/Chassis</b>				
XLT - TRIM LEVEL		TRADESMAN	1WT	XL
MFMC - MFG. MODEL CODE		DS1L62	CC15903	F1C
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)		6600	6700	6170
BED - PICKUP BED, LOAD LENGTH min. ft. 8		8	8	8
BODY - BODY STYLE	Smooth Side	comply	comply	Styleside
<b>Engine Minimums</b>				
ET - ENGINE TYPE - Cylinders / Liters		6/3.6	6/4.3L Dir. Inj. EcoTec 3	3.3 V6 PFDI
HP - HORSEPOWER		305	285	000
TORQ - TORQUE (lb ft)		269	305	000
<b>Engine Accessories</b>				
OLS - OIL LIFE SYSTEM		Comply	comply	Comply
<b>Transmission</b>				
T2 - AUTOMATIC TRANSMISSION		8 SPEED	6 speed	6 Speed w Tow Haul Mode
<b>Drive Axle</b>				
ATC - AUTOMATIC TRACTION CONTROL		COMPLY	comply	Comply
AXLE - PRIMARY DRIVE AXLE	Rear	rear	Rear	Comply
DIF - DIFFERENTIAL TYPE/RATIO		3.21	3.23	3.73 Non Limited
<b>Electrical</b>				
ALT - ALTERNATOR, MIN. (Amps)		160	150	200
<b>Fuel</b>				
FUEL - FUEL TYPE		E85 Flex-Fuel	E85 Flex-Fuel	E85 Flex-Fuel
<b>Doors and Windows</b>				
RKE - REMOTE KEYLESS ENTRY		Comply	comply	w/ Power Lock/ Windows
DOOR - DOORS	2	2	2	2
WN - WIPERS-WINDSHIELD-INTERMITTENT		comply	comply	Comply
PWL - POWER WINDOWS & DOOR LOCKS		front only	front only	front only
<b>Lights and Lighting</b>				
DRL - DAYTIME RUNNING LIGHTS		COMPLY	comply	On/Off Controllable
<b>Interior</b>				
CRTS - CRUISE CONTROL AND TILT STEERING		COMPLY	comply	Comply
AC - AIR CONDITIONING		comply	comply	Comply
PS - POWER STEERING		comply	comply	Comply
CU - CLOTH UPHOLSTERY		comply	comply	Comply
<b>Floor</b>				
FLCV - FLOOR COVERING	Vinyl	COMPLY	COMPLY	Vinyl
<b>Radio</b>				
RAX - AM/FM RADIO with AUXILIARY INPUT		comply	AM/FM stereo w aux inp.	Comply
<b>Seats</b>				
SEAT - SEATING CAPACITY min.	3	3	3	3
SF - SPLIT FRONT BENCH SEAT		40/20/40	40/20/40	40/20/40
<b>Safety</b>				
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL		Comply	comply	Comply
CBU - BACKUP CAMERA		comply	comply	comply

BTCP - Blue Tooth compatible hands free phone system		comply	comply	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		comply	comply	Comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		comply	comply	Comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		comply	comply	Comply
<b>Tires and Wheels</b>				
PLAB - TIRE PRESSURE MONITORING SYSTEM		COMPLY	comply	Comply
STA - SPARE TIRE ASSEMBLY		Full	comply-full size	Full size
TIRE - TIRES		P265/70R17 AS	P255/70R/17AS	17 AS
<b>Towing</b>				
BPR2 - REAR BUMPER	Step Type	comply	comply	Step
<b>Warranty</b>				
WARR - OEM COMPREHENSIVE WARRANTY	3 yr/36,000 mile bumper to bumper	3 YR / 36,000 MILES	comply	3 yr/36,000
WARP - OEM POWERTRAIN WARRANTY		5 YR/100,000 MILES	5 yr/100,000 miles	5 yr / 60,000 mile
WARC - OEM CORROSION WARRANTY		5 yr / 100,000 miles	6 yr/100,000 miles	5 yr / Unlimited Miles
WARA - ROADSIDE ASSISTANCE		5YR/100,000 MILES	5 YR/ 100,000 MILES	5 yr/ 60,000 Miles

Optional Equipment			
GSA Components	FCA US LLC 1500	GM C1500	FORD F150
<b>Body/Chassis</b>			
L6 - SHORT BED PICKUP BODY	Stand Alone	Package	Package
WR - INCREASED GVWR	N/A	Package	Package
<b>Engines</b>			
IE1 - Increased Power Engine 1	Package	Package	Package
YD - DIESEL ENGINE	Package	N/A	Package
IE2 - Increased Power Engine 2	N/A	N/A	Package
IE3 - Increased Power Engine 3	N/A	N/A	Package
DE1 - Decreased Power Engine	N/A	N/A	N/A
<b>Alternative Fuel</b>			
E85 - ETHANOL FLEXIBLE FUEL	Standard	Standard	Standard
<b>AFV Prep</b>			
CNGP - CNG/LPG FUEL PREP PACKAGE	N/A	N/A	Package
<b>Engine Accessories</b>			
VDD - VARIABLE DISPLACEMENT ON DEMAND	Package	Standard	N/A
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone	Stand Alone
EHM - ENGINE HOUR METER	Standard	Standard	N/A
<b>Transmission</b>			
MT - MANUAL TRANSMISSION	N/A	N/A	N/A
T6 - TRANSMISSION MANUAL - 6 FORWARD AND 1 REVERSE	N/A	N/A	N/A
T6A - 6-SPEED AUTOMATIC TRANSMISSION	N/A	Standard	Standard
T8A - 8-SPEED AUTOMATIC TRANSMISSION	Standard	N/A	N/A
<b>Rear Axle Differential</b>			
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC	Stand Alone	Stand Alone	Package
<b>Drive Axle</b>			
D7 - TOWING/MOUNTAIN RATIO	Stand Alone	Package	Package
<b>Electrical</b>			
IA1 - Increased Output Alternator 1	N/A	N/A	N/A
IA2 - Increased Output Alternator 2	N/A	N/A	N/A
<b>Fuel</b>			
AF1 - CHASSIS MANUFACTURER'S MAXIMUM AVAILABLE FUEL TANK(S)	N/A	N/A	Package
SFE - FUEL ECONOMY PACKAGE	N/A	N/A	N/A
<b>Exterior</b>			
BL - BEDLINER, OEM PLASTIC DROP-IN	Package	N/A	Package
CBE - CARGO BED EXTENDER	Package	N/A	Package
CMK - CARGO MANAGEMENT KIT	N/A	N/A	N/A
RB - RUNNING BOARDS	Package	N/A	Stand Alone
RM - EXTRA WIDE MIRRORS	Stand Alone	Stand Alone	Package
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED	Standard	Standard	Package
BLS - BEDLINER, OEM SPRAY-ON	Stand Alone	Stand Alone	Package
STG - CARGO BED STEP, REAR	N/A	Standard	Stand Alone
STG2 - CARGO BED STEP, SIDE	N/A	N/A	Package
KEK - KEYLESS ENTRY KEYPAD	N/A	N/A	Package
TCH - HARD TONNEAU COVER	N/A	N/A	N/A
BB - STORAGE BINS, BOTH BED SIDEWALLS	Package	N/A	N/A
TANN - SOFT TONNEAU COVER	N/A	N/A	N/A
<b>Doors and Windows</b>			
DTG - DARK TINTED GLASS	Standard	Stand Alone	Package
RKS - REMOTE KEYLESS START	Stand Alone	Package	Package
SRG - SLIDING REAR WINDOW	Stand Alone	N/A	N/A
RD - REAR WINDOW ELECTRIC DEFROSTER	N/A	Stand Alone	Package
<b>Lights and Lighting</b>			
FOG - FOG LIGHTS	N/A	Package	Package



<b>Electronics Audio Visual</b>			
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard	Standard	Standard
OS - ON STAR	N/A	Package	N/A
SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A	N/A	Standard
NAV - NAVIGATION SYSTEM	N/A	Package	Package
<b>Interior</b>			
AP - ADJUSTABLE OPERATING PEDALS	N/A	N/A	Package
SURC - REAR CARGO STORAGE UNIT	N/A	N/A	N/A
VU - VINYL UPHOLSTERY, FRONT AND REAR	Package	Package	Package
SK - METRIC SPEEDOMETER / ODOMETER	N/A	Standard	Package
<b>Floor</b>			
CM - CARPETED FLOOR COVERING	Package	Package	Package
MF - FLOOR MATS	Package	Package	Package
<b>Seats</b>			
RS - RECLINING BUCKET/CAPTAINS CHAIRS	N/A	N/A	N/A
RSNC - 2 FR SEATS-NO CENTER CONSOLE-UNFINISHED FLOOR FOR MTG EQUIP	N/A	Package	N/A
<b>Safety</b>			
AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A	N/A	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A	Package	N/A
BSDS - BLIND SPOT DETECTION SYSTEM	N/A	N/A	Package
BUA - BACK-UP ALARM	N/A	Stand Alone	Stand Alone
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A	Package	N/A
PAFR - PARKING ASSIST, FRONT AND REAR	N/A	Package	Package
SBAS - SEAT BELT ALERT SYSTEM	N/A	N/A	N/A
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1	Standard	Standard	Standard
SRO - OEM REVERSE OBSTACLE SENSOR	Package	Package	Package
RISB - REAR INFLATABLE SEAT BELT	N/A	N/A	N/A
LDW - LANE DEPARTURE WARNING SYSTEM	N/A	Package	Package
FCAS - FORWARD COLLISION ALERT SYSTEM	N/A	Package	Package
<b>Tires and Wheels</b>			
AT - ALL TERRAIN TIRE TREAD	Package	Package	Package
LT - LIGHT TRUCK TIRES	Package	Package	Package
<b>Towing</b>			
CTBP - OEM TRAILER BRAKE CONTROLLER PRE-WIRING	Standard	Package	Package
FTH - FRONT TOW HOOKS	N/A	Stand Alone	N/A
CTB - OEM TRAILER BRAKE CONTROLLER	Stand Alone	Package	Package
<b>Receiver Hitch</b>			
RH3 - OEM DRAW BAR RECEIVER CLASS III	N/A	N/A	N/A
RH4 - OEM DRAW BAR RECEIVER CLASS IV	Stand Alone	Package	Package
<b>Delivery</b>			
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone	Package	Package
<b>Delivery outside CONUS</b>			
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A	N/A	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	Stand Alone	N/A	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	N/A	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Stand Alone	Package	Package
DDRG - DEALER DELIVERY GUAM	Stand Alone	N/A	Package
DDRH - DEALER DELIVERY HAWAII	Stand Alone	Package	Package
DDRP - DEALER DELIVERY PUERTO RICO	N/A	Package	Package
DDVI - DEALER DELIVERY VIRGIN ISLANDS ST CROIX AND ST THOMAS	N/A	N/A	Package
<b>Export Delivery</b>			
1611 - OEM EXPORT DOCUMENT FEE	Stand Alone	Package	Stand Alone

**Law Enforcement Options**

DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone	Standard	N/A
<b>Miscellaneous</b>			
MIL - DATA PLATE AND DD250	N/A	N/A	Stand Alone
PSM - PARTS AND SERVICE MANUALS	N/A	Stand Alone	N/A
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A	Stand Alone	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	Stand Alone
NMY - NEXT MODEL YEAR VEHICLE	N/A	N/A	N/A

9. Ordering Data for Truck Transporter Wrecker 3-6 Ton  
**Result for FAS Vehicle Standards Information Fiscal Year 2018**

**Minimum/Optional Equipment for 978 - CARRIER, 5 TON, 19-22 FT DECK, WITH UNDERLIFT/STABILIZER**

Carrier, 5 Ton, 19-22 feet Deck with Underlift / Stabilizer

This vehicle shall comply with paragraphs 1 through 6 of the Purchase Description.

Standard equipment includes but not limited to: Conventional Cab; Tinted glass; Hand throttle control; Electric power point; Dual cab entry assist handles; Automatic engine shutdown for low oil pressure, high coolant temp and low coolant level.

Carrier Bed capacity 10,000 lbs evenly distributed load.

Payload is reduced by the weight of options specified such as increased body size, and larger fuel capacities.

The values shown for the minimum requirements may change when optional equipment is added to the standard vehicle.

The standard method of delivery is wheels on ground drive-away or piggy back tow.

The standard delivery type is consignee. This requires the receiving official to perform the tasks normally completed by a dealer prior to the vehicle being placed in service. These tasks include but are not limited to verifying all fluid levels, re-torque lug nuts, adjusting tire pressures, inspecting all vehicle systems for proper function, registration of all sub components for warranty start date and mileage, and notifying the manufacture of in service date and mileage accrued during delivery. Days for Delivery 180 from the date the order is placed with the vendor to date it is presented for inspection.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

Minimum Requirements					
GSA Components	GSA Min Req	BOYER TRUCK FORD	Broadway Truck Centers FORD	Truck Country Freightliner FREIGHTLNR	NAVISTAR, INC INTERNATNL
<b>Body/Chassis</b>					
CBL - CARRIER BED LENGTH	Standard bed length nominal 19 feet	19 feet	Comply 19ft	Comply	19 ft
CBPL - CARRIER BED PAYLOAD	Minimum 10,000 lbs evenly distributed load	10,000 lbs	Comply 10,000 lbs	10,000 lbs	Comply
CDH - CARRIER DECK HEIGHT	Standard configuration truck ground to deck surface	Approx 40 - 48 inches	Est 40" to 45"	44 - 48 inch	44 +/- 4 in
CDSA - CARRIER DECK SURFACE - ALUMINUM	Minimum 3/16 inch, 6061 aluminum with non-slip grooved or textured surface	Comply	Comply	Comply	Comply
FRAM - FRAME	Min RBM 619,000 in.- lbs	Comply	Comply	Comply	Comply
MFMD - MFG. MODEL	Carrier body manufacturer and model	Miller - 10 Series Gen 2	Miller/10 Series	Miller 10 Series	Miller / 10 Series Gen 2
MFMC - MFG. MODEL CODE	Manufacturer's chassis model for standard configuration truck	Ford F550	F550	M2-106	MV
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	Minimum 19,000 - Max 24,000 lbs	19,500 lbs	Max Rating is 19,500 lbs	24,000 lbs	23,500 lbs
<b>Engine Minimums</b>					
ET - ENGINE TYPE - Cylinders / Liters	Diesel / min 5.0 Liters	Diesel Ford 6.7L V8	Diesel 6.7L	Comply	Diesel / Cummins B6.7
HP - HORSEPOWER	Minimum 250 hp	300 hp	330 HP	250 hp	250 hp
TORQ - TORQUE (lb ft)	Minimum 660 lbft	660 lbft	750 lbft	660 lb/ft	660 lbft
COOL - COOLING SYSTEM	Standard - extended life coolant protection to -34F	Comply	Comply	Comply	Comply
<b>Engines</b>					

YD - DIESEL ENGINE	Must meet current US emission requirements for ULSD (Ultra Low Sulfur Diesel)	Comply	Comply ULSD	Comply	Comply
<b>Alternative Fuel</b>					
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Standard	Comply	Comply	Comply	Comply
<b>Engine Accessories</b>					
ACSI - ENGINE AIR CLEANER SERVICE INDICATOR	Standard - Located in the engine compartment	Comply	Comply	Comply	Comply
EH - ENGINE BLOCK HEATER, OEM	Minimum 750 Watt, 120 Volt coolant heater	Comply	Comply	750 Watt / 115 Volt	Comply
EHM - ENGINE HOUR METER	Standard	Comply	Comply	Comply	Comply
<b>Exhaust</b>					
EX - EXHAUST SYSTEM	Horizontal	Comply	Comply	Comply	Comply
<b>Transmission</b>					
T2 - AUTOMATIC TRANSMISSION	Minimum 5-speed	Ford 6 Spd	Ford Transmission 6spd	Comply	Allison 2500 RDS / 5
<b>Brakes</b>					
BHY - BRAKES-HYDRAULIC	Standard	Comply	Comply	Comply	Air Brakes
<b>Auxiliary Braking</b>					
EXB - ENGINE EXHAUST BRAKE	Standard	Comply	Comply	Comply	Comply
<b>Front Axle</b>					
AXF - FRONT AXLE	Front axle rating min 7,000 lbs	7,000 lbs	Comply 7,000 lbs	8,000 lbs	8,000 lbs
<b>Rear Axle</b>					
AXR - REAR AXLE	13,000 - 16,000 lb GAWR, Single Speed	14,706 lbs	14,706 lbs	16,000 lbs	15,500 lbs
<b>Drive Axle</b>					
SLRA - SYNTHETIC LUBRICANT FRONT AND REAR AXLE	Synthetic lube filled rear axle assembly	Comply	Comply	Comply	Comply
<b>Electrical</b>					
BAT2 - Dual Batteries	Standard OEM dual batteries	Comply	Comply	Comply	Comply
SU4 - OEM Upfitter Switches, 4	Standard	Comply	Comply	Comply	Comply
ALT - ALTERNATOR, MIN. (Amps)	Minimum output 160 amps	Comply	Comply 200 amp	160 Amp	160 amp
<b>Fuel</b>					
FFS - FUEL/WATER SEPARATOR, HEATED	Standard	Comply	Comply	Comply	Comply
FUEL - FUEL TYPE		Diesel Dedicated	Diesel Dedicated	Diesel Dedicated	Diesel Dedicated
FC - FUEL CAPACITY MIN US GALLONS	Minimum 26 gallons	26.5 Gallons	Comply	Comply	50 gal
<b>Exterior</b>					
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED		Comply	Comply	Comply	Comply
<b>Doors and Windows</b>					
DOOR - DOORS	2	Comply	Comply	Comply	Comply
WN - WIPERS-WINDSHIELD-INTERMITTENT	Intermittent & multi speed w/washers	Comply	Comply	Comply	Comply

PWL - POWER WINDOWS & DOOR LOCKS	Standard	front only	front and rear	front and rear	front and rear
<b>Lights and Lighting</b>					
AWLB - Lightbar - Amber LED Warning	Brand and Model furnished as standard equipment	ECCO Vantage	ECCO/12 Series	Whelen Freedom	Whelen Freedom
DRL - DAYTIME RUNNING LIGHTS	Standard	Comply	Comply	Comply	Comply
LED - LIGHTS, LIGHT EMITTING DIODE (LED)	All LEDs except cab clearance lamps, front turn signals, and headlamps	Comply	Comply	Comply	Comply
<b>Interior</b>					
TS - TILT STEERING	Standard	Comply	Comply	Comply	Comply
AC - AIR CONDITIONING	Standard	Comply	Comply	Comply	Comply
PS - POWER STEERING	Standard	Comply	Comply	Comply	Comply
UPH - UPHOLSTERY	Manufacturer's vinyl seat covers	Comply	Comply	Comply	Comply
<b>Floor</b>					
FLCV - FLOOR COVERING	Standard Vinyl	Comply	Comply	Comply	Rubber
<b>Radio</b>					
RAD - AM/FM RADIO WITH COMPACT DISC PLAYER	Standard	Comply	Comply	Comply	Comply
<b>Seats</b>					
SEAT - SEATING CAPACITY min.	Non suspension driver and two person passenger seats	Comply	Comply	Comply	Comply
VCPS - VINYL COVER PASSENGER SEATS	Manufacture's vinyl seat cover - driver and passenger seats	Comply	Comply	Comply	Comply
<b>Safety</b>					
BUA - BACK-UP ALARM	Standard	Comply	Comply	Comply	Comply
FEX - SAFETY KIT, FIRE EXTINGUISHER & ETC.	Standard	Comply	Comply	Comply	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR	Standard	Comply	Comply	Comply	Comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS	Standard	Comply	Comply	Comply	Comply
<b>Suspension</b>					
SSH - SUSPENSION/SHOCKS	Manufacturer's standard steel spring suspension	Comply	Comply	Comply	Comply
<b>Tires and Wheels</b>					
SLP - LOW PROFILE TIRES	Standard	Comply	Comply	Comply	Comply
WHP - HUB PILOTED WHEELS	Steel Disc - 19.5 inches	Comply	Comply 19.5	Comply	Comply
TIRE - TIRES	Regional/Urban Tread	Comply	Comply All Season	Comply	Comply
<b>Towing</b>					
CDW - CARRIER DECK HYRAULIC WINCH	Minimum one winch, 8,000 lbs	Quantity 1 x 8,000 lbs	Comply 8,000 lbs	8,000 lbs	Comply
FTH - FRONT TOW HOOKS	Hooks, loops, eyes, mounted on the frame	Comply	Comply Hooks	Comply	Comply
OC - OPERATOR CONTROLS	Dual manual controls at rear of truck	Comply	Comply	Comply	Comply

RWFL - RECOVER WINCH FIRST LAYER LINE PULL RATING	Minimum 8,000 lbs	8,000 lbs	Body Comply 8,000 lbs	8,000 lbs	Comply
ULT - UNDERLIFT TOWING RATING	Maximum allowable tow weight	10,000 lbs	10,000 lbs	10,000 lbs	10,000 lbs
WRR - WIRE ROPE	Wire diameter, length, construction type	3/8 in x 50 ft (6x19 IWRC)	3/8 x 50ft	3/8 in x 50 ft (6x19 IWRC)	3/8 in x 50 ft (6x19 IWRC)
WUL - WRECKER UNDERLIFT (LB @ LP)	Maximum extension reach and rating / Fully retracted rating	54 in Extension / 66 in Reach - 3,000 lb Extended / 3,000 lb Retracted	54" Ext / 66" Reach 3,000lbs extended / 3,000 lbs Retracted	54 inch Extension / 66 inch Reach / 3k lbs Extended / 3k Retracted	54 in Extension / 66 in Reach; 3,000 lb Extended / 3,000 lb Retracted
<b>Delivery</b>					
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Standard	Comply	Comply	Comply	Comply
<b>Miscellaneous</b>					
PTS - POWER PTO ENGAGEMENT	Transmission mounted PTO Pump	Comply	Comply	Comply	Comply
TSB - TOOL STORAGE BOX	One, Driver's side, minimum dimensions 36Lx18Wx18D	Comply	Comply	Comply	Comply
<b>Warranty</b>					
WARP - OEM POWERTRAIN WARRANTY	Manufacturer's commercial warranty provisions.	Diesel Eng 5 Yr/100K Mi - Pwtrn 5 Yr/60K Mi	36 months 36,000 miles	2 Year Unlimited	Eng / Trans 3 yr
WARC - OEM CORROSION WARRANTY	Manufacturer's commercial warranty provisions	5 Yr - Unlimited - Cab	60 months Unlimited Miles	Cab: 5 year Unlimited Miles / 6 Months Unlimited Miles	Cab/cowl 5 yr per chassis warranty
WARV - CONTRACTOR COMPREHENSIVE BODY WARRANTY	Manufacturer's commercial warranty provisions	1 YR	1 year	1 Year	1 yr

## Optional Equipment

GSA Components	BOYER TRUCK FORD	Broadway Truck Centers FORD	Truck Country Freightliner FREIGHTLNR	NAVISTAR, INC INTERNATNL
<b>Body/Chassis</b>				
BLA0 - ALTERNATIVE BED LENGTH, 20 FEET		N/A	Package	N/A
BLA1 - ALTERNATIVE BED LENGTH, 21 FEET		Package	Package	Stand Alone
BLA2 - ALTERNATIVE BED LENGTH, 22 FEET		Package	Package	Stand Alone
CC - CREW-CAB, 4 DOOR		N/A	Package	Stand Alone
CDS - STABLIZER, DOCK - CARRIER	Package	Package	Package	Package
CE - CAB, EXTENDED SYTLE		N/A	Package	Stand Alone
LH - LOW PROFILE CHASSIS	Standard	Standard	Package	Standard
W102 - 102 INCH WIDTH	Package	Package	Package	Stand Alone
<b>Engines</b>				
YD7 - ENGINE-DIESEL-MIN 300 HP & 725 LB-FT TORQUE		Package	Package	Package
GAS - GASOLINE ENGINE		Package	N/A	N/A
<b>Engine Accessories</b>				
DPFR - MANUAL ACTIVE REGENERATION CONTROL OF DPF		Package	Package	Stand Alone
OLS - OIL LIFE SYSTEM	Standard	Package	N/A	Standard
<b>Rear Axle Differential</b>				
D1 - DIFFERENTIAL LOCK OUT, DRIVER CONTROLLED		N/A	Package	Package
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC		Package	Package	Package
<b>Drive Axle</b>				
ATC - AUTOMATIC TRACTION CONTROL	Standard	Standard	N/A	Package
AWD - OEM ALL WHEEL DRIVE	Package	Package	N/A	N/A
<b>Electrical</b>				
RACB - RADIO CB 40 CHANNEL		N/A	Package	Stand Alone
<b>Exterior</b>				
CPTH - HOLDER, PROPANE TANK - CARRIER	Package	Package	Package	Stand Alone
RB - RUNNING BOARDS	Package	Package	N/A	N/A
<b>Exterior Paint</b>				
CPT - PAINT-CUSTOM COLOR		Package	Stand Alone	Stand Alone
<b>Lights and Lighting</b>				
DRLD - DAYTIME RUNNING LIGHTS-DELETE	Package	Package	Package	Stand Alone
FOG - FOG LIGHTS		Package	Package	Stand Alone
<b>Interior</b>				
CR - CRUISE CONTROL	Standard	Package	Standard	Standard
SWT - STEERING WHEEL TELESCOPING	Standard	Package	Standard	Stand Alone
CU - CLOTH UPHOLSTERY	Package	Package	Package	Stand Alone
<b>Heating Ventilation Air Cond</b>				
CAF - CABIN AIR FILTER		Standard	Standard	Stand Alone

<b>Seating</b>				
40C4 - 40 Console 40 - Split Driver/Passenger Seating with Console	Package	Package	Package	Stand Alone
<b>Safety</b>				
FWOD - FRONT WARNING SYSTEM - OBSTACLE DETECTION		N/A	N/A	Package
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1	Standard	Standard	N/A	N/A
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER	Standard	Standard	N/A	N/A
<b>Tires and Wheels</b>				
TJ - TOOLS-TIRE REMOVAL AND JACK	Package	Package	Package	Stand Alone
TOHR - TIRES - ON OFF HIGHWAY ROUGH ROAD CONDITIONS	Package	Package	Package	Stand Alone
WLP - WHEELS, PAINTED CAB COLOR	Package	Package	Package	Package
ALW - ALUMINUM WHEELS		Package	Package	Package
TSCF - TIRE-SPARE ASSEMBLY AND CARRIER-FRONT AXLE		N/A	Package	Stand Alone
TSAF - TIRE-SPARE ASSEMBLY-FRONT AXLE-SHIPPED LOOSE	Package	Package	Stand Alone	Stand Alone
TSAR - TIRE-SPARE ASSEMBLY-REAR AXLE-SHIPPED LOOSE	Package	Package	Stand Alone	Stand Alone
AICE - CHAINS-TIRE-AUTOMATIC	Package	Package	Package	Stand Alone
<b>Towing</b>				
DWL - DELETE WHEELLIFT	Package	Package	Package	Package
FPB - FRONT PUSH BUMPER	Package	Package	Package	Stand Alone
MTL - TRAILER LIGHTING CABLE 110 INCHES	Package	Package	Package	Stand Alone
RTH - TOWING HOOKS/LOOPS AT REAR	Package	Package	Package	Stand Alone
TTP - TRAILER TOWING PACKAGE		N/A	Package	Stand Alone
TVLB - LIGHTBAR, TOWED VEHICLE	Package	Package	Package	Stand Alone
TBE - ELECTRIC TRAILER BRAKE CONTROL	Package	Package	Package	Stand Alone
<b>Packaged Options</b>				
CWPT - COLD WEATHER PACKAGE- Starting & Protection to -20F		N/A	Package	Stand Alone
SCW - SEVERE COLD WEATHER PACKAGE-Start & Protection to -40F		N/A	Package	Package
<b>Delivery</b>				
DDR - DEALER DELIVERY	Package	Package	Package	Package
<b>Export Delivery</b>				
1611 - OEM EXPORT DOCUMENT FEE	Package	Package	Package	Package
<b>Miscellaneous</b>				
MIL - DATA PLATE AND DD250	Package	Package	Stand Alone	Stand Alone
PSM - PARTS AND SERVICE MANUALS		Package	Stand Alone	Stand Alone
PSMA - AIR FORCE PARTS AND SERVICE MANUALS		Package	Stand Alone	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Package	Package	Stand Alone	Stand Alone
RBES - RADIATOR BUG SCREEN		N/A	Package	Stand Alone
SRP - ADDITIONAL RUSTPROOFING per FED-STD 297E	Package	Package	Package	Stand Alone



## Warranty

CWR - COMPONENT WARRANTY REGISTRATION

Package

Package

Stand Alone

Stand Alone

## 10. Ordering data for Truck Tractor 20 Ton

### Result for FAS Vehicle Standards Information Fiscal Year 2018

#### Minimum/Optional Equipment for 622B - 6X4 TRACTOR, 66000-80000 LBS GCWR

6x4 Tractor, 66,000-80,000 lbs Gross Combined Weight Rating.

This vehicle shall comply with paragraphs 1 through 6 of federal vehicle standard.

The tractors available under this item have features which improve fuel economy without sacrificing performance. They are intended for highway use.

Standard equipment includes but is not limited to: Day Cab Conventional tractor, Tinted glass, Handthrottle control, Electric power point, Deck plate, Hoses/wiring 110", Automatic engine shutdown, Power takeoff opening at transmission, Quarter fenders, Splash & stone guards.

The values shown for the minimum requirements may change when optional equipment is added to the standard vehicle.

The standard method of delivery is wheels on ground drive-away or piggyback tow.

The standard delivery type is consignee. This requires the receiving official to perform the tasks normally completed by a dealer prior to the vehicle being placed in service. These tasks include but are not limited to verifying all fluid levels, re-torque lug nuts, adjusting tire pressures, inspecting all vehicle systems for proper function, registration of all subcomponents for warranty start date and mileage, and notifying the manufacture of in service date and mileage accrued during delivery.

#### Minimum Requirements

GSA Components	GSA Min Req	Truck Country Freightliner FREIGHTLINR	NAVISTAR, INC INTERNATNL	Central Truck KENWORTH	Mack Defense MACK	Mack Defense VOLVO	BOYER TRUCK WESTERNSTR
<b>Body/Chassis</b>							
CFF - TILTING HOOD AND FENDER ASSEMBLY	Standard	Comply	Comply	Comply	Comply	Comply	comply
FAP - FRONT AXLE POSITION	Set Back	Comply	Comply	Comply	Comply	Comply	Set Back
FRAM - FRAME	Min RBM 1,800,000 in.- lbs	Comply	Comply	Comply	1,810,000	1,884,000	Comply
FTR - EXTENDED TAPERED FRAME	Standard	Comply	Comply	Comply	Comply	Comply	Comply
GCWR - GROSS COMBINED WEIGHT RATING	Minimum 80,000 lbs	Comply	80,000 lbs	Comply	80,000	Comply	Comply
MFMC - MFG. MODEL CODE	Manufacturer's model for standard configuration truck	M2-112	HV	T400	Pinnacle	VNM64T200	4700SB
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	Minimum 44,000 - Max 54,000 lbs	50,000 lbs	52,000 lbs	Comply	Comply	Comply	52,000 lbs
<b>Engine Minimums</b>							
ET - ENGINE TYPE - Cylinders / Liters	Diesel / Inline 6 cylinder / minimum 8.9 Liters	Comply	Diesel / Navistar N13/A26 12.4L	Comply	11 liter inline 6 cyl Mack diesel	Volvo D11 (11 liter) inline 6 cyl	Diesel / Inline 6 cylinder / 8.9 L
HP - HORSEPOWER	Minimum 365 hp	380 hp	370 hp	Comply	365 hp	385 hp	370 HP
TORQ - TORQUE (lb ft)	Minimum 1250 lbft	1,250 lb / ft	1350 lbft	Comply	1460 lb-ft	1450 lbft	1250 LB FT
COOL - COOLING SYSTEM	Standard - extended life coolant protection to -34F	Comply	Comply	Comply	Comply	Comply	-34 F
<b>Engines</b>							
YD - DIESEL ENGINE	Must meet current US emission requirements for ULSD (Ultra Low Sulfur Diesel)	Comply	Comply	Comply	Comply	Comply	Comply
<b>Alternative Fuel</b>							

FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Engine Accessories</b>							
ACSI - ENGINE AIR CLEANER SERVICE INDICATOR	Standard - Located in the engine compartment	Comply	Comply	Comply	Comply	Comply	Comply
EAS - ENGINE ALARM SYSTEM	low oil PSI, low coolant & high coolant temp shut down	Comply	Comply	Comply	Comply	Comply	Comply
EH - ENGINE BLOCK HEATER, OEM	Minimum 750 watt, 110-120 60Hz Volt coolant heater	1,000 Watt / 115 Volt	Comply	Comply	Comply	Comply	Comply
EHM - ENGINE HOUR METER	Standard	Comply	Comply	Comply	Comply	Comply	Comply
ESD - ENGINE AUTOMATIC SHUTDOWN	5 minute idle shutdown timer	Comply	Comply	Comply	Comply	Comply	Comply
<b>Exhaust</b>							
EX - EXHAUST SYSTEM	Vertical with turnout and guard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Transmission</b>							
T13 - TRANSMISSION MANUAL 13 FORWARD AND 3 REVERSE	Standard	Comply	Manual 13 speed	Comply	Comply	EATON FULLER RTLO-14913A	Comply
<b>Brakes</b>							
ABAS - AIR BRAKE - AIR STORAGE TANKS	Automatic moisture purge on wet tank	Comply	Comply	Comply	Comply	Comply	Comply
ABC1 - COMPRESSOR - AIR BRAKES	Minimum 15.9 CFM	Comply	Comply	Comply	Comply	Comply	Comply
ABD - AIR BRAKE DRYER	Automatic moisture purge heated, cartidge element type	Comply	Comply	Comply	Comply	Comply	Comply
BA - BRAKES-AIR	Dust shields on rear axle drum brake assemblies	Comply	Comply	Comply	Comply	Comply	Comply
<b>Auxiliary Braking</b>							
ECB - ENGINE COMPRESSION BRAKE	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Front Axle</b>							
AXF - FRONT AXLE	Front axle rating min 10,000 lbs	10,000 lbs	12,000 lbs	Comply	12,000 lbs	Comply	12,000 lbs
<b>Rear Axle</b>							
AXR - REAR AXLE	38,000-40,000 lb GAWR, Single Speed	40,000 lbs	40,000 lbs	Comply	40,000	Comply	40,000 lbs
<b>Rear Axle Differential</b>							
D1 - DIFFERENTIAL LOCK OUT, DRIVER CONTROLLED	Standard - front axle and bogie of tandem	Comply	Comply	Comply	Comply	Comply	Comply
D2 - INTER-AXLE DIFFERENTIAL (IAD) LOCK-OUT, DRIVER CONTROLLED	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Drive Axle</b>							

ATC - AUTOMATIC TRACTION CONTROL	Standard	Comply	Comply	Comply	Comply	Comply	Comply
SLRA - SYNTHETIC LUBRICANT FRONT AND REAR AXLE	Synthetic lube filled front and rear axle assemblies	Comply	Comply	Comply	Comply	Comply	Comply
<b>Electrical</b>							
HORN - HORN(S) min	electric & air	Comply	Comply	Comply	Comply	Comply	Comply
ALT - ALTERNATOR, MIN. (Amps)	Min 160 amps - 12 volt	160 Amps	160 amp	Comply	160 amp	165 AMP HIGH EFFICIENCY DELCO REMY 36SI	160 amps
<b>Fuel</b>							
FFS - FUEL/WATER SEPARATOR, HEATED	Standard	Comply	Comply	Comply	Comply	Comply	Comply
FUEL - FUEL TYPE		Diesel Dedicated	Diesel Dedicated	Diesel Dedicated	Diesel Dedicated	Diesel Dedicated	Diesel Dedicated
FC - FUEL CAPACITY MIN US GALLONS	70 gallons	70 Gal	70 gal	Comply	Comply	75 gallon (single tank)	Comply
<b>Exterior</b>							
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED		Comply	Comply	Comply	Comply	Comply	Comply
<b>Doors and Windows</b>							
PWL - POWER WINDOWS & DOOR LOCKS	Standard	front only	front and rear	front only	front only	front only	front only
<b>Lights and Lighting</b>							
DRL - DAYTIME RUNNING LIGHTS	Standard	Comply	Comply	Comply	Comply	Comply	Comply
LED - LIGHTS, LIGHT EMITTING DIODE (LED)	All LEDs except front turn signals, and headlamps	Comply	Comply	Comply	Comply	Comply	Comply
<b>Interior</b>							
CSAR - CAB SUSPENSION - AIR RIDE	Standard	Comply	Comply	Comply	Comply	Comply	Comply
TS - TILT STEERING	Standard	Comply	Comply	Comply	Comply	Comply	Comply
AC - AIR CONDITIONING	Standard	Comply	Comply	Comply	Comply	Comply	Comply
PS - POWER STEERING	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Radio</b>							
RAD - AM/FM RADIO WITH COMPACT DISC PLAYER	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Seats</b>							
DSS - DRIVER'S SEAT, SUSPENSION TYPE	Air suspension, adj height, seat tracks	Comply	Comply	Comply	Comply	Comply	Comply
SEAT - SEATING CAPACITY min.	Driver and one passenger, bucket seats	Comply	Comply	Comply	Comply	Comply	Comply
VCPS - VINYL COVER PASSENGER SEATS	Manufacture's vinyl seat cover - driver and passenger seats	Comply	Comply	Comply	Comply	Comply	Comply
<b>Safety</b>							
BUA - BACK-UP ALARM	Standard	Comply	Comply	Comply	Comply	Comply	Comply
FEX - SAFETY KIT, FIRE EXTINGUISHER & ETC.	Standard	Comply	Comply	Comply	Comply	Comply	Comply

ABS - POWER ANTILOCK BRAKES, FRONT AND REAR	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Tires and Wheels</b>							
WHP - HUB PILOTED WHEELS	Steel Disc 22.5 inch diameter	Comply	Comply	Comply	Comply	Comply	Comply
TIRE - TIRES	Highway Tread - SmartWay Verified	Comply	Comply	Comply	Comply	Front: 295/75R22.5G (14 ply) Rear:295/75R22.5G (14 ply). Smartway.	Comply
<b>Towing</b>							
FTH - FRONT TOW HOOKS	Hooks, loops, eyes, mounted on the frame	Comply	Comply	Comply	Comply	Comply	Comply
<b>Tractor 5th Wheel</b>							
ARW - AIR SLIDE 5TH WHEEL	Standard	Comply	Comply	Comply	Comply	Comply	Comply
FWH - FIFTH WHEEL HEIGHT	49-inches, plus or minus 3-inch from level ground to top plate	Comply	Comply	Comply	Comply	Comply	Comply
FWL - FIFTH WHEEL LOCATION	Min clearance from center of king pin to clear back of cab 64-inches	Comply	Comply	Comply	Comply	Comply	Comply
FWT - FIFTH WHEEL	Rated for 55000 vert load cap, 150000 pull cap, min 23-inches slide length	Comply	Comply	Comply	Comply	Comply	Comply
<b>Delivery</b>							
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Miscellaneous</b>							
RJS - REMOTE JUMP START POSTS	Standard	Comply	Comply	Comply	Comply	Comply	Comply
<b>Warranty</b>							
WARR - OEM COMPREHENSIVE WARRANTY	Manufacturer's standard warranty provisions	2 year unlimited miles	1 yr	1 Yr	12 months/100,000 miles	1 yr/100,000 miles	1 Yr
WARP - OEM POWERTRAIN WARRANTY	Manufacturer's commercial warranty provisions.	2 years / unlimited miles	Eng 2 yr / Trans 3 yr	Eng 2yr/Trans 3yr	2 yrs/250,000 miles	2 yr/250,000 miles	Eng 2 Yr / 250K Mi / Trans 3 Yr / Unlimited Mi
WARC - OEM CORROSION WARRANTY	Manufacturer's commercial warranty provisions	Cab: 5 years unlimited miles / Chassis: 6 months unlimited miles	Cab/cowl 5 yr per chassis warranty	3yr	Cab corrosion 5 yr/500,000 miles	60mo/500,000 miles cab, 12mo/100,000 frame	Cab - 5 Yr / Unlimited Mi

## Optional Equipment

GSA Components	Truck Country Freightliner FREIGHTLNR	NAVISTAR, INC INTERNATNL	Central Truck KENWORTH	Mack Defense MACK	Mack Defense VOLVO	BOYER TRUCK WESTERNSTR
<b>Body/Chassis</b>						
CC - CREW-CAB, 4 DOOR	Package	Stand Alone	Package	N/A	N/A	N/A
CE - CAB, EXTENDED SYTLE	Package	Stand Alone	Package	N/A	N/A	N/A
SFFA - SET FORWARD FRONT AXLE	N/A	Stand Alone	Package	Package	Package	Package
<b>Engines</b>						
YD34 - ENGINE-DIESEL-MIN 425 GHP & 1650 LB-FT TORQUE	Package	Package	Package	Package	Package	Package
YD49 - ENGINE-DIESEL-MIN 380 GHP & 1450 LB-FT TORQUE	Package	Package	Package	Package	Standard	Package
YD24 - ENGINE - DIESEL - MIN 425 GHP & 1550 LB-FT TORQUE	Package	Package	Package	Package	Package	Package
<b>Engine Accessories</b>						
ASI - AIR CLEANER SERVICE INDICATOR (LOCATED IN DRIVER'S AREA)	Package	Stand Alone	Stand Alone	Stand Alone	Standard	Package
DPFR - MANUAL ACTIVE REGENERATION CONTROL OF DPF	Package	Stand Alone	Standard	N/A	N/A	Package
EAIS - ENGINE AIR INTAKE - EMBER SCREEN	Package	Stand Alone	Stand Alone	Package	N/A	Package
FFP - COOLANT HEATER-FUEL FIRED	Package	Stand Alone	Package	Package	Package	Package
<b>Exhaust</b>						
EXH - EXHAUST SYSTEM-HORIZONTAL	Package	Stand Alone	Package	Package	Package	Package
<b>Transmission</b>						
4000 - TRANSMISSION AUTOMATIC ALLISON 4000 CLOSE RATIO	Package	Package	Package	Package	Package	Package
4500 - TRANSMISSION AUTOMATIC ALLISON 4500 WIDE RATIO	Package	Package	Package	Package	Package	Package
AM10 - TRANSMISSION FULLY AUTOMATED-10 Forward and 2 Reverse	Package	Package	Package	Package	Package	Package
AM13 - TRANSMISSION FULLY AUTOMATED-12 or 13 Forward Speeds	Package	Package	Package	Package	Package	Package
3000 - TRANSMISSION AUTOMATIC ALLISON 3000 CLOSE RATIO	Package	Package	Package	N/A	N/A	Package
<b>Transmission Accessories</b>						
GTT - TRANS. TEMP GAUGE	Package	Stand Alone	Stand Alone	Standard	Stand Alone	Standard
<b>Brakes</b>						
BADA - BRAKES-AIR-DISC-ALL WHEEL ENDS	Package	Stand Alone	Package	Package	Package	Package
<b>Front Axle</b>						
FA12 - AXLE-FRONT-MIN 12,000 LBS GAWR	Package	Standard	Package	Standard	Standard	Standard
FA14 - AXLE-FRONT-MIN 14,000 LBS GAWR	Package	Stand Alone	Package	Package	Package	Package
<b>Drive Axle</b>						
FRT - REAR FENDERS, TRACTOR - Aluminum	Package	Stand Alone	Package	Package	Stand Alone	Package
F RTP - REAR FENDERS, TRACTOR - Polyethylene	Package	Stand Alone	Package	Package	Package	Package

HDFA - HYDRAULIC DRIVE FRONT AXLE (4X4 6X6 conversion)	Package	Package	Package	Package	N/A	Package
<b>Electrical</b>						
RACB - RADIO CB 40 CHANNEL	Package	Stand Alone	Stand Alone	Package	Package	Package
VOL - 24 VOLT 12 PIN NATO TRAILER SYSTEM	Package	Stand Alone	Package	Package	N/A	Package
<b>Fuel</b>						
FT15 - 150 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone	Package	Package	Package	Package
FT19 - 190 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone	Package	Package	Package	Package
FTB - 50 GALLONS MINIMUM FUEL CAPACITY	N/A	Stand Alone	Package	Package	N/A	Package
FTD - 100 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone	Package	Package	Package	Package
FTE - 200 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone	Package	Package	Package	Package
<b>Exterior</b>						
GNT - EQUIPMENT-TRACTOR-FOLDING GOOSENECK TRAILER	N/A	Stand Alone	Package	Package	N/A	N/A
<b>Exterior Paint</b>						
CPT - PAINT-CUSTOM COLOR	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
<b>Lights and Lighting</b>						
AWLB - Lightbar - Amber LED Warning	Package	Package	Package	Package	Package	Package
DRLD - DAYTIME RUNNING LIGHTS-DELETE	Package	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
FOG - FOG LIGHTS	Package	Stand Alone	Package	Stand Alone	Stand Alone	Package
<b>Interior</b>						
PINV - POWER INVERTER - 1800 WATTS 115V 60HZ DUPLEX	Package	Stand Alone	Package	Package	Package	Package
SWT - STEERING WHEEL TELESCOPING	Standard	Stand Alone	Standard	Standard	Standard	Standard
SK - METRIC SPEEDOMETER / ODOMETER	Standard	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
SLP1 - SHORT SLEEPER COMPARTMENT- 36-inch depth, 34-inch Mattress	N/A	Stand Alone	Package	Package	Package	N/A
SLP2 - LONG SLEEPER COMPARTMENT- 60-inch depth, 34-inch Mattress	N/A	Stand Alone	Package	Package	Package	N/A
<b>Heating Ventilation Air Cond</b>						
CAF - CABIN AIR FILTER	Standard	Stand Alone	Stand Alone	Standard	Standard	Package
CAFS - CABIN AIR FILTER - EMBER SCREEN	Standard	Stand Alone	Stand Alone	Package	N/A	N/A
<b>Radio</b>						
RADW - AM/FM RADIO with WEATHER BAND ALERTS and BLUETOOTH	Package	Stand Alone	Stand Alone	Standard	Standard	Package
<b>Seats</b>						
DSS2 - DRIVER & PASSENGER'S SEAT, SUSPENSION TYPE	Package	Stand Alone	Package	Stand Alone	Stand Alone	Package
<b>Safety</b>						
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL	Package	Stand Alone	Standard	Standard	Standard	Package
BSMH - BLIND SPOT MIRRORS - HOOD MOUNT	Package	Stand Alone	Package	Package	Stand Alone	Package

FWOD - FRONT WARNING SYSTEM - OBSTACLE DETECTION	Package	Package	Stand Alone	N/A	N/A	N/A
LDWS - LANE DEPARTURE WARNING SYSTEM	Package	Stand Alone	Package	Package	Stand Alone	N/A
<b>Suspension</b>						
SAF - SUSPENSION-AIR SPRING-FRONT	Package	N/A	Package	Package	Package	N/A
SAR - SUSPENSION-AIR SPRING-REAR	Package	Stand Alone	Package	Standard	Standard	Standard
SHR - WALKING BEAM SUSPENSION	N/A	Stand Alone	Package	N/A	N/A	Package
<b>Auxiliary Axles</b>						
LS13 - 13,000 LB AUXILIARY AXLE, NON-STEERING PUSHER, AIR LIFT	Package	Stand Alone	Package	Package	Package	Package
<b>Tires and Wheels</b>						
SLP - LOW PROFILE TIRES	Package	Stand Alone	Package	Standard	Package	Package
TARU - TIRES - ALL SEASON REGIONAL/URBAN TREAD	Package	Stand Alone	Package	Stand Alone	Stand Alone	Package
TJ - TOOLS-TIRE REMOVAL AND JACK	Package	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
TOHR - TIRES - ON OFF HIGHWAY ROUGH ROAD CONDITIONS	Package	Stand Alone	Package	Package	Stand Alone	Package
VMS - VERTICAL SPARE TIRE CARRIER - NO TIRE PROVIDED	Package	Stand Alone	Package	Package	Package	Package
WLP - WHEELS, PAINTED CAB COLOR	Package	Package	Package	Stand Alone	Package	N/A
TPMS - TIRE PRESSURE MONITORING SYSTEM	Package	Stand Alone	Package	Package	N/A	N/A
ALW - ALUMINUM WHEELS	Package	Package	Package	Package	Package	Package
AWLA - ALUMINUM WHEELS ON LIFT AXLE, per axle	Package	Package	Package	Stand Alone	Package	Package
TSAF - TIRE-SPARE ASSEMBLY-FRONT AXLE-SHIPPED LOOSE	Stand Alone	Stand Alone	Package	Stand Alone	Stand Alone	Package
TSAR - TIRE-SPARE ASSEMBLY-REAR AXLE-SHIPPED LOOSE	Stand Alone	Stand Alone	Package	Stand Alone	Stand Alone	Package
<b>Towing</b>						
RTH - TOWING HOOKS/LOOPS AT REAR	Package	Stand Alone	Package	Package	Stand Alone	Package
TTP2 - TRAILER TOWING PACKAGE WITH 20 TON SWIVEL PINTLE HITCH	Package	Stand Alone	Package	Package	Package	Package
TTP8 - TRAILER TOWING PACKAGE 30 TON FIXED POS AIR CUSHION PINTLE	Package	Stand Alone	Package	Package	Package	Package
1LWK - ONE LINE TRAILER HYDRAULIC SUPPLY - PTO POWERED (Wet Kit)	Package	Stand Alone	Package	Package	Package	Package
2LWK - 2 LINE TRAILER HYDRAULIC SUPPLY-PTO POWERED (Wet Kit)	Package	Stand Alone	Package	Package	Package	Package
3LWK - 3 LINE TRAILER HYDRAULIC SUPPLY-PTO POWERED (Wet Kit)	Package	Stand Alone	Package	Package	Package	Package
<b>Tractor 5th Wheel</b>						
5WA - 5TH WHEEL ALUM NO LUBE, 55000 VERT LOAD, 150000 PULL CAP.	Package	Package	Package	Package	Stand Alone	Package
5WCS - 5th WHEEL, TORSIONAL COMPENSATING, 70K VERT LOAD, 150K PULL	Package	Package	Package	Package	Package	Package
<b>Packaged Options</b>						
CWPT - COLD WEATHER PACKAGE- Starting & Protection to -20F	Package	Stand Alone	Package	Package	Package	Package



SCW - SEVERE COLD WEATHER PACKAGE- Start & Protection to -40F	Package	Package	Package	Package	N/A	Package
<b>Delivery</b>						
DDR - DEALER DELIVERY	Package	Package	Stand Alone	Package	Package	Package
<b>Export Delivery</b>						
1611 - OEM EXPORT DOCUMENT FEE	Package	Package	Stand Alone	Stand Alone	Stand Alone	Package
<b>Air Transportability</b>						
ATR2 - AIR TRANSPORTABLE - C5 & C17 AIRCRAFT ONLY	Package	Package	Package	N/A	N/A	Package
<b>Miscellaneous</b>						
BTA - TOOL COMPARTMENT, ALUMINUM WITH LATCH	Package	Stand Alone	Package	Package	Package	Package
BTC - TOOL COMPARTMENT, STEEL WITH LATCH	Package	Stand Alone	Package	Package	Package	Package
CPR - CAB PROTECTION RACK	Package	Package	Package	Package	Package	Package
CPR1 - CAB PROTECTION RACK, PLUS	Package	Package	Package	Package	Package	Package
FPH - HAZMAT PLACARD HOLDERS	Package	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
GRT - REAR AXLE TEMP GAUGE	Package	Stand Alone	Stand Alone	Package	Stand Alone	Package
LTD - PROVISIONS FOR LIFTING AND TRANSPORTING VEHICLE	N/A	Package	Package	N/A	N/A	N/A
MIL - DATA PLATE AND DD250	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package	Package
OBS2 - ON BOARD LOAD SCALES FOR TRACTORS WITH AIR SUSPENSION	Package	Package	Package	Package	Stand Alone	Package
PSM - PARTS AND SERVICE MANUALS	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	Stand Alone	N/A	Stand Alone	N/A	N/A	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
RBES - RADIATOR BUG SCREEN	Package	Stand Alone	Package	Stand Alone	Stand Alone	Package
RWF - RADIATOR - WINTER FRONT	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Stand Alone	Package
TDN - PROVISIONS FOR VEHICLE TIEDOWN DURING TRANSPORT	Package	Stand Alone	Package	N/A	N/A	Package
TWD - TRACTOR WIND DEFLECTOR	Package	Stand Alone	Package	Stand Alone	Stand Alone	Package
SRP - ADDITIONAL RUSTPROOFING per FED- STD 297E	Package	Stand Alone	Package	Stand Alone	Stand Alone	Package
<b>Warranty</b>						
CWR - COMPONENT WARRANTY REGISTRATION	Stand Alone	Stand Alone	Stand Alone	Standard	Stand Alone	Package

## 11. Ordering data for Truck Tanker Refuel 6K Gal

### TRUCK, AIRCRAFT FUELING-DEFUELING, 6,000 GALLON, A/S32R-11 Ordering Data (MIL-PRF-32080G)

The Contractor shall comply with all requirements of MIL-PRF-32080G for a 6,000 Gal aircraft fueling-defueling truck unless specifically deleted or changed below:

- a) Paragraph 3.1 – First production inspection and testing is not required
- b) Paragraph 3.3.1.8.3 Desert sand, all exterior surfaces, including driveline components (see 6.3.8), except for the tank boarding ladder, all trim, and compartment interior surfaces shall be painted Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002.
- c) Paragraph 3.3.2.4 Jet fuel product. 4 or 6-inch letters shall be located on each side and the rear of the aircraft refueling truck to display the following product markings: "Jet Fuel"
- d) Paragraph 3.3.3.1 Identification Plate. Unique Identification (UID) (also known as Item Unique Identification (IUID) is not required.
- e) Paragraph 3.4.1 Operation and storage temperature range. The aircraft refueling truck shall be capable of operation and storage in ambient temperatures ranging from 21.2° F to +125° F.
- f) Paragraph 3.9.11.3 Winterization system. Not required
- g) Paragraph 3.10.13.1 Single-point hose reel. Instead of a D-3 Universal Single Point Nozzle, the single-point hose assembly shall be provided with a straight throat D-2 nozzle for under-wing fuel servicing to minimize possible stress damage to the aircraft SPR adapter. The D-2 nozzle selected shall be approved for hot refueling, CSO, concurrent servicing and has a swivel feature. Refer to Table 4.1 of TO 00-25-172
- h) Paragraph 4.1.2 Requirement verification matrix (RVM) and Table III. The USG does not plan to perform any testing or demonstration. The Contractor shall provide certification and analysis results for all Section 3 requirements as specified in Table IV, Certifications and analyses. The USG reserves the right to perform examination of any requirement where the verification method identified as examination in Table III at time of delivery.
- i) Paragraph 4.2 First Production inspection. Not required
- j) Paragraph 4.3 User operational test. Not required
- k) Paragraph 4.4 Production testing. Not required

Table 4-1. Approved/Authorized Single Point Refueling (SPR) Nozzles, Vacuum Breaks, and Dry Break Couplers

NSN	Manufacturer	Type	Part No.	Note	Hot Refuel- in g	CSO	Concurrent Ser- vicin!!	Swivel Feature	45 Deg Throat	Straight Throat
4930-00-544-3713	CARTER	D-1	6902	1		X	X	NO	X	
4930-00-310-4858	CARTER	D-1	61429AGH	?, j	X	X	X	YES	X	
4930-01-385-8946	CARTER	D-1	643491-1		X	X	X	YES	X	
4930-00-310-4858	THIEM/WHIT- TAKER	D-1	F11 16ES		X	X	X	YES	X	
4930-01-484-5919	CARTER	D-1	64201H		X	X		YES	X	
4930-01-318-1479	CARTER	D-2	61429 AGJI 64349J	?	X	X	X	YES		X
	CARTER	D-2	6420IJ		X	X		YES		X
4930-01-385-8924	CARTER	D-2	64349 }		X	X	X	YES		X
4930-01-250-7482	THIEM/WHIT- TAKER	D-2	F116KN		X	X	X	NO		X
4930-01-032-0236	CARTER	D-2	60427WX		X	X	X	NO		X
NOT ASSIGNED	THIEM/WHIT- TAKER	D-2	F1116ER		X	X	X	YES		X
4930-00-117-4726	WIGGINS	CCR	CCNIOI/ 14		X					
4930-01-363-6449	CARTER	CCR	64017		X					
4930-01-040-7618	THIEM/WHIT- TAKER	Bottom Loading	F211C	4						
NOT ASSIGNED	CARTER	Bottom Loading	614458L	4						
4820-01-013-4272	AEROQUIP	VAC BRK	AE98706E	5	X	X	X			
4820-01-345-0629	CARTER VAC	44595 BRK		5	X	X	X			
4820-01-059-9417	CARTER VAC	41599 BRK		6	X	X	X			
4730-01-366-9406	CARTER	Dry Break	61154	7	X	X	X			
SEE NOTE	AEROQUIP	Dry Break	AE985()	M	X	X	X			
4930-01-534-0950	JC CARTER	D-3	47566	Inlet	X	X	X	YES	X	X
4930-01-544-1945	JC CARTER	D-3	64201N		X	X	X	YES	X	X
NOT ASSIGNED	THIEM/WHIT- TAKER	Dry Break	F596()	U	X	X	X			
	JC CARTER	Ball Valve	64015		X	X	X			
	JC CARTER	Hose Ex- tension	64207		X	X	X			
4930-01-483-8060	CLA-VAL	0-112	341GF		X	X	X	YES	X	X

Table 4-1. Approved/Authorized Single Point Rducling (SPR) Nozzles, Vacuum Breaks, and Dry Break Couplers - Continued

NSN	Manufacturer	Type	Part No.	Note	Hot Refueling	CSO	Concurrent Servicing	Swivel Feature	45 Deg Throat	Straight Throat
4930-01-544-1949 NOT ASSIGNED	CLA-VAL	Dry Break	342Gf		X	X	X			X
	CLA-VAL		344GF		X	X	X			
	CLA-VAL		C-BV-65/3F		X	X	X			
	CLA-VAL	Dry Break	C-GE-65F		X	X	X			
	JC CARTER	D-3	64349N		X	X	X			
	CLA-VAL	D-3	341GF (205195-OIK)		X	X	X			
NOT ASSIGNED	CLA-VAL	Ball Valve	E349GF E349GF-1		X	X	X			
NOT ASSIGNED VARIOUS	CLA-VAL	No7.zle	E3..J7		X	X	X			
	OPW, EBW, EMCO WHEATON	Open Port Nozzles	ALL	10	X	X	X			
NOT ASSIGNED	Gammon Skyhawk		OTP-9363-1	11						

Restricted from hot refueling unless retrofitted with crank handle PN 210089 (ZA-12 Alloy) (NSN 5340-01-344-5505).

All parts on the Carter 61429AGH, AHL, and AGJ arc interchangeable.

- 1 The Carter 61429AGH and 61429AHL arc the same except the 61429AHL has short handles. No new 61429AHL nozzles will be procured for USAF use.
- 4 Used on bottom loading fillstands. Can be utilized as hydrant to hose cart adapter on hydrant systems equipped with 2 1/2-inch bayonet adapters.
- 5 Limited to Carter PN 6902 SPR nozzle (AN fitting).
- 6 All other approved SPR no1.zles (NPT fitting).
- 7 Couplers with 40 mesh screen strainers arc capable of defueling at rates in excess of 400 gallons per minute without damage to the screen and therefore the screen need not be removed for defueling.
- 8 PN AE985-17U, NSN 4730-01-015-9209, (3 inch female coupler halO; PN AE985-17V, NSN 4730-01-034-5391, (4 inch female coupler hnl1); and PN AE985-16U, NSN 4730-01-015-9208, (3 or 4 inch male coupler hall) requires the use of a JOO mesh screen strainer, NSN 4730-00-432-1223, which will collapse when defueling in excess of 200 gallons per minute, therefore the screen must be removed during high flow rate defuels to avoid damage to the screen.
- " Available in 2, 2 1/2 and 3 inch sizes.
- 10 Automahc shutoff feature, e.g., Emco Wheaton 0457, is preferred, but not required.
- 11 Cold refueling only until further field testing is accomplished.

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## 12. Ordering data for Truck Tractor 44,500 lbs GVW 6X6

### Result for FAS Vehicle Standards Information Fiscal Year 2014

#### Minimum/Optional Equipment for 824 - 6X6 TRACTOR, MIN. 52,000 LBS GVWR

This vehicle shall comply with paragraphs 1 through 6 of federal vehicle standard 807.

Standard equipment includes: deck plate; semitrailer hoses and electrical cable 110"; splash & stone guards; powertakeoff opening, hand throttle control; electric power point, tinted glass, dual cab entry assist handles, engine shutdown, and predelivery serviced.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

GSA Components	GSA Min Req	Central Truck C500	Daimler Trucks N America LLC M2112
<b>Body/Chassis</b>			
CFF - TILTING HOOD AND FENDER ASSEMBLY	Standard	Comply	Comply
FRAM - FRAME	Min RBM 2,100,000 in.-lbs	2,132,000 RBM	3,217,000
FTR - EXTENDED TAPERED FRAME	Req	Comply	Comply
GC90 - GCWR - MIN 90,000 LBS	Req	90,000 lbs GCWR	90,000
GV52 - GVWR - MIN 52,000 LBS	Req.	52,000 lbs GVWR	52,000 LBS
CW - BASE CURB WEIGHT w/ GSA min reqmts - lbs	20,000 lbs max	22,000 lbs.	20,000
<b>Engine Minimums</b>			
COOL - COOLING SYSTEM	Standard - extended life coolant protection to -34F	Comply	Comply
<b>Engines</b>			
YD44 - ENGINE-DIESEL-MIN 400 GHP & 1450 LB-FT TORQUE	Req	400GHP/1650 LB-FT Torqu	410 HP & 1450 lb/ft
YD - DIESEL ENGINE	Must meet current US emission requirements for ULSD (Ultra Low Sulfur Diesel)	Comply	Comply
<b>Alternative Fuel</b>			
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Standard	Comply	(B5) MAX APPROVED
<b>Engine Accessories</b>			
ACSI - ENGINE AIR CLEANER SERVICE INDICATOR	Standard - Located in the engine compartment	Comply	Comply
EAS - ENGINE ALARM SYSTEM	low oil PSI, low coolant & high coolant temp shut down	Comply	Comply
EH - ENGINE BLOCK HEATER, OEM	Standard	Comply	Comply
EHM - ENGINE HOUR METER	Standard	Comply	Comply
<b>Exhaust</b>			
EX - EXHAUST SYSTEM	Vertical with turnout and guard	Comply	Comply
<b>Transmission</b>			
T10 - TRANSMISSION-MANUAL-10 SPEED	Req	Comply	Comply
<b>Auxiliary Braking</b>			
ECB - ENGINE COMPRESSION BRAKE	Standard	Comply	Comply
<b>Rear Axle Differential</b>			
D1 - DIFFERENTIAL LOCK OUT, DRIVER CONTROLLED	Standard	Comply	Comply
<b>Drive Axle</b>			
ATC - AUTOMATIC TRACTION CONTROL	Standard		
SLRA - SYNTHETIC LUBRICANT FRONT AND REAR AXLE	Synthetic lube filled front and rear axle assemblies	Comply	Comply
<b>Electrical</b>			
HORN - HORN(S) min	electric & air	Comply	Comply
BATT - BATTERY, MIN. (CCA)	Three 700 CCA batteries	2000 CCA	Comply
<b>Fuel</b>			
FFS - FUEL/WATER SEPARATOR, HEATED	Standard	Comply	Comply
FC - FUEL CAPACITY MIN US GALLONS	100 gallons	100 gal.	100 GAL
<b>Exterior</b>			
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED			
<b>Lights and Lighting</b>			
DRL - DAYTIME RUNNING LIGHTS	Standard 61	Comply	Comply

<b>Interior</b>			
AC - AIR CONDITIONING	Standard	Comply	Comply
PS - POWER STEERING	Standard	Comply	Comply
<b>Seats</b>			
DSS - DRIVER'S SEAT, SUSPENSION TYPE	Soft suspension, adj height, seat tracks	Comply	Comply
SEAT - SEATING CAPACITY min.	Driver and one passenger	COMPLY	Comply
<b>Safety</b>			
BUA - BACK-UP ALARM	Standard	Comply	Comply
FEX - SAFETY KIT, FIRE EXTINGUISHER & ETC.	Standard	Comply	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR	Standard	Comply	Comply
<b>Tires and Wheels</b>			
WHP - HUB PILOTED WHEELS	Steel Disc	Comply	Comply
TIRE - TIRES	Off Highway Rough Road Conditions	11R22.5 G / O-O	11R22.5 G
<b>Towing</b>			
FTH - FRONT TOW HOOKS	Standard	Comply	Comply
RTH - TOWING HOOKS/LOOPS AT REAR	Standard	Comply	Comply
<b>Delivery</b>			
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Standard	Comply	Comply
<b>Miscellaneous</b>			
ARW - AIR SLIDE 5TH WHEEL	Standard	Comply	Comply
RJS - REMOTE JUMP START POSTS	Standard	Comply	Comply
<b>Warranty</b>			
WARC - OEM CORROSION WARRANTY	Manufacturer's commercial warranty provisions	5yr/500K	5 YR / NO MILE LIMIT CAB ONLY
WARP - OEM POWERTRAIN WARRANTY	Manufacturer's commercial warranty provisions.	Engine 2yr/250K, Trans 2yr/Unlmt, Rear 3yr/Unlmt	2 YR /100K MILE LIMIT
WARR - OEM COMPREHENSIVE WARRANTY	Manufacturer's standard warranty provisions	1yr/100K	1 YR /100K MILE LIMIT

**Optional Equipment - To be provided only if Standard equipment from OEM**

GSA Components	Central Truck C500	Daimler Trucks N America LLC M2112
<b>Body/Chassis</b>		
WSB - SETBACK FRONT AXLE	Standard	Standard
<b>Alternative Fuel</b>		
CNG - DEDICATED COMPRESSED NATURAL GAS	Package	N/A
<b>Engine Accessories</b>		
ASI - AIR CLEANER SERVICE INDICATOR (LOCATED IN DRIVER'S AREA)	Package	Stand Alone
FFP - COOLANT HEATER-FUEL FIRED	Package	Package
H4 - EXTENDED COOLANT PROTECTION -60 DEG F	Package	Package
<b>Transmission</b>		
4000 - TRANS-AUTO-TC ALLISON MODEL 4000	Package	Package
AM10 - AUTOMATED MANUAL TRANSMISSION - 10 SPEED	Package	N/A
AM13 - AUTOMATED MANUAL TRANSMISSION - 13 SPEED	Package	N/A
T10D - TRANSMISSION- MANUAL- 10 SPEED with Double Low Reduction	Package	Package
<b>Brakes</b>		
BADA - BRAKES-AIR-DISC-ALL WHEEL ENDS	Package	N/A
<b>Auxiliary Braking</b>		
EXB - ENGINE EXHAUST BRAKE	Package	N/A
<b>Front Axle</b>		
AS18 - FRONT AXLE 18,000 LBS		Package
AS20 - FRONT AXLE 20,000 LBS		Package
FA14 - AXLE-FRONT-MIN 14,000 LBS GAWR	Package	Package
FA16 - AXLE-FRONT-MIN 16,000 LBS GAWR	Package	Package
FA18 - AXLE-FRONT-MIN 18,000 LBS GAWR	Package	Package
<b>Electrical</b>		
VOL - 24 VOLT TRAILER SYS	Package	Stand Alone
<b>Fuel</b>		
FTE - 200 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone
<b>Exterior</b>		
FRT - REAR FENDERS, TRACTOR	Package	Stand Alone
<b>Exterior Paint</b>		
CPT - PAINT-CUSTOM COLOR	Package	Package
<b>Doors and Windows</b>		
PWL - POWER WINDOWS & DOOR LOCKS	Package	Stand Alone
<b>Lights and Lighting</b>		
AUXL - WORK LIGHTS (requires CPR or CPR1)	Package	Package
DRLD - DAYTIME RUNNING LIGHTS-DELETE	Package	Stand Alone
FOG - FOG LIGHTS	Package	Stand Alone
<b>Interior</b>		
CSAR - CAB SUSPENSION - AIR RIDE	Package	Package
TS - TILT STEERING	Package	Stand Alone
SK - METRIC SPEEDOMETER / ODOMETER	Package	Standard
<b>Radio</b>		
RAD - AM/FM RADIO WITH COMPACT DISC PLAYER	Package	Stand Alone
<b>Seats</b>		
DSS2 - DRIVER & PASSENGER'S SEAT, SUSPENSION TYPE	Package	Package
<b>Safety</b>		
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL	Package	N/A
<b>Suspension</b>		
SHR - WALKING BEAM SUSPENSION	Standard	Stand Alone
<b>Tires and Wheels</b>		
TJ - TOOLS-TIRE REMOVAL AND JACK	Package	Stand Alone
VMS - VERTICAL SPARE TIRE CARRIER - NO TIRE PROVIDED	Package	Stand Alone
WLP - WHEELS, PAINTED CAB COLOR	Package	Stand Alone
TPMS - TIRE PRESSURE MONITORING SYSTEM	Package	Package
TSAF - TIRE-SPARE ASSEMBLY-FRONT AXLE-SHIPPED LOOSE	Package	Package

TSAR - TIRE-SPARE ASSEMBLY-REAR AXLE-SHIPPED LOOSE	Package	Package
<b>Towing</b>		
1LWK - ONE LINE TRAILER HYDRAULIC SUPPLY - PTO POWERED (Wet Kit)	Package	Package
3LWK - 3 LINE TRAILER HYDRAULIC SUPPLY-PTO POWERED (Wet Kit)	Package	Package
TTP3 - TRAILER TOWING PACKAGE WITH 30 TON PINTLE HITCH	Package	Package
<b>Packaged Options</b>		
CWPT - COLD WEATHER PACKAGE- Starting & Protection to -20F	Package	Package
SCW - SEVERE COLD WEATHER PACKAGE-Start & Protection to -40F	Package	Package
<b>Delivery</b>		
DDR - DEALER DELIVERY	Package	Stand Alone
<b>Export Delivery</b>		
1611 - OEM EXPORT DOCUMENT FEE	Package	Stand Alone
<b>Air Transportability</b>		
ATR - AIR TRANSPORTABLE-C-130, C-141,C-5, & C-17 AIRCRAFT	Package	N/A
ATR2 - AIR TRANSPORTABLE-C-5 & C17 AIRCRAFT ONLY	Package	Package
<b>Miscellaneous</b>		
BTC - TOOL COMPARTMENT, STEEL WITH LATCH	Package	Package
CPR - CAB PROTECTION RACK	Package	Package
CPR1 - CAB PROTECTION RACK, PLUS	Package	Package
FFE1 - FRONT FRAME EXTENSIONS	Package	Package
LTD - PROVISIONS FOR LIFTING AND TRANSPORTING VEHICLE	Package	N/A
MIL - DATA PLATE AND DD250	Package	Stand Alone
PSM - PARTS AND SERVICE MANUALS	Package	Stand Alone
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	Package	Stand Alone
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Package	Stand Alone
RWF - RADIATOR - WINTER FRONT	Package	Package
TDN - PROVISIONS FOR VEHICLE TIEDOWN DURING TRANSPORT	Package	Package
TWD - TRACTOR WIND DEFLECTOR	Package	Package
MHW - WINCH HYDRUALIC	Package	Package
SRP - ADDITIONAL RUSTPROOFING per FED-STD 297E	Package	Stand Alone
<b>Warranty</b>		
CWR - COMPONENT WARRANTY REGISTRATION	Standard	Package



13. Ordering data for Truck Cargo 1/2 Ton 4X2

**Result for FAS Vehicle Standards Information Fiscal Year 2014**

**Minimum/Optional Equipment for 60 - 4X2 PICKUP, COMPACT, REGULAR CAB, MIN 4200 LBS**

A compact size pickup with a regular cab shall be provided. The vehicle shall be equipped with the specified length flush style, double walled construction metal bed and tailgate with stays, providing a maximum of 114 cm (45 in) unobstructed space between wheel housings on the floor. The cab shall have 2 doors.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

**Minimum Requirements**

GSA Components	GSA Min Req	RP AUTOMOTIVE TACOMA
<b>Body/Chassis</b>		
XLT - TRIM LEVEL		REG CAB
MFMC - MFG. MODEL CODE		7104
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	4200 / 4850	4600
BED - PICKUP BED, LOAD LENGTH min. ft.	6	6
WB - WHEELBASE		109.6
BODY - BODY STYLE	Smooth Side	COMPLY
<b>Engine Minimums</b>		
ET - ENGINE TYPE - Cylinders / Liters		4/2.7L
HP - HORSEPOWER		159
TORQ - TORQUE (lb ft)		180
<b>Transmission</b>		
T2 - AUTOMATIC TRANSMISSION		COMPLY
<b>Drive Axle</b>		
AXLE - PRIMARY DRIVE AXLE	Rear	REAR
DIF - DIFFERENTIAL TYPE/RATIO		AUTO LSD
<b>Electrical</b>		
ALT - ALTERNATOR, MIN. (Amps)		TBA
<b>Fuel</b>		
FC - FUEL CAPACITY MIN US GALLONS		21.1
<b>Doors and Windows</b>		
DOOR - DOORS	2	2
WN - WIPERS-WINDSHIELD-INTERMITTENT		2-SPEED
PWL - POWER WINDOWS & DOOR LOCKS		front only
<b>Lights and Lighting</b>		
DRL - DAYTIME RUNNING LIGHTS		COMPLY
<b>Interior</b>		
CRTS - CRUISE CONTROL AND TILT STEERING		COMPLY
AC - AIR CONDITIONING		COMPLY
PS - POWER STEERING		COMPLY
UPH - UPHOLSTERY	Cloth	CLOTH
<b>Floor</b>		
FLCV - FLOOR COVERING	Vinyl	HD CARPET
<b>Radio</b>		
RAD - AM/FM RADIO WITH COMPACT DISC PLAYER		COMPLY
<b>Seats</b>		
SEAT - SEATING CAPACITY min.	3	3
<b>Safety</b>		
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		COMPLY
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		COMPLY
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		COMPLY
<b>Tires and Wheels</b>		
PLAB - TIRE PRESSURE MONITORING SYSTEM		COMPLY
STA - SPARE TIRE ASSEMBLY		COMPLY
TIRE - TIRES		P215/70R15
<b>Towing</b>		
BPR2 - REAR BUMPER	Step type	COMPLY
<b>Warranty</b>		
WARC - OEM CORROSION WARRANTY	65	5YR/60,000 MILE

WARP - OEM POWERTRAIN WARRANTY

5YR/60,000 MILES

WARR - OEM COMPREHENSIVE WARRANTY

3 yr/36,000 mile bumper to  
bumper

3YR/36,000 MILE

**Optional Equipment - To be provided only if Standard equipment from OEM**

GSA Components	RP AUTOMOTIVE TACOMA
<b>Body/Chassis</b>	
L7 - 7 FOOT PICKUP BODY	N/A
<b>Engines</b>	
IE1 - Increased Power Engine 1	N/A
IE2 - Increased Power Engine 2	N/A
DE1 - Decreased Power Engine	N/A
<b>Alternative Fuel</b>	
E85 - ETHANOL FLEXIBLE FUEL	N/A
<b>Engine Accessories</b>	
OLS - OIL LIFE SYSTEM	N/A
EH - ENGINE BLOCK HEATER, OEM	N/A
<b>Transmission</b>	
T5 - 5 SPEED MANUAL TRANSMISSION	N/A
<b>Rear Axle Differential</b>	
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC	N/A
<b>Drive Axle</b>	
ATC - AUTOMATIC TRACTION CONTROL	Standard
<b>Electrical</b>	
IA1 - Increased Output Alternator 1	N/A
IA2 - Increased Output Alternator 2	N/A
<b>Exterior</b>	
BL - BEDLINER, OEM PLASTIC DROP-IN	Standard
<b>Doors and Windows</b>	
RKE - REMOTE KEYLESS ENTRY	N/A
SRG - SLIDING REAR WINDOW	Stand Alone
<b>Interior</b>	
SK - METRIC SPEEDOMETER / ODOMETER	N/A
<b>Floor</b>	
CM - CARPETED FLOOR COVERING	Standard
<b>Safety</b>	
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL	Standard
CBU - BACKUP CAMERA	N/A
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1	Standard
SRO - OEM REVERSE OBSTACLE SENSOR	N/A
<b>Tires and Wheels</b>	
AT - ALL TERRAIN TIRE TREAD	N/A
<b>Towing</b>	
CTBP - OEM TRAILER BRAKE CONTROLLER PRE-WIRING	N/A
CTB - OEM TRAILER BRAKE CONTROLLER	N/A
<b>Receiver Hitch</b>	
RH3 - OEM DRAW BAR RECEIVER CLASS III	N/A
<b>Delivery</b>	
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Standard
<b>Delivery outside CONUS</b>	
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	N/A
DDRG - DEALER DELIVERY GUAM	N/A
DDRH - DEALER DELIVERY HAWAII	N/A
DDRP - DEALER DELIVERY PUERTO RICO	N/A
<b>Export Delivery</b>	
1611 - OEM EXPORT DOCUMENT FEE	N/A
<b>Law Enforcement Options</b>	
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	N/A

**Miscellaneous**

MIL - DATA PLATE AND DD250	N/A
PSM - PARTS AND SERVICE MANUALS	N/A
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	N/A
NMY - NEXT MODEL YEAR VEHICLE	Standard

# 14. Ordering data for Truck Cargo 10 Ton 6X4 DED

## Result for FAS Vehicle Standards Information Fiscal Year 2018

### Minimum/Optional Equipment for 575 - 6X4 DRY VAN, 20-28 FEET, 52000-58000 LBS GVWR

6x4 Dry Van, 20-28 feet, 52,000-58,000 lbs Gross Vehicle Weight Rating.

This vehicle shall comply with paragraphs 1 through 6 of federal vehicle standard.

Standard equipment includes but not limited to: Conventional Cab; Tinted glass; Hand throttle control; Electric power point; Dual cab entry assist handles; Automatic engine shutdown for low oil pressure, high coolant temp and low coolant level; Transmission power takeoff opening and gear; Aluminum body exterior, Body walls lined, Interior scuff plate, Body dome light, Dock bumpers with rubber pads, and ICC rear end protection.

Federal maximum legal axle load limits on USARoads without special permits are 20,000 front axle, 34,000 rear tandem, and 80,000 Gross Vehicle Weight.

You are responsible for knowing what the per axle weight limits are in your operating area. Most states require the Bridge Formula but some have their own set of maximum limits.

Verify any additional axles and spacing you may need to comply with the per axle weight limitations in your area of operation.

Payload is reduced by the weight of options specified such as lift gate, winch, snowplow, increased body size, and other equipment not included in the base Standard Item.

The values shown for the minimum requirements may change when optional equipment is added to the standard vehicle.

The standard method of delivery is wheels on ground drive-away or piggyback tow.

The standard delivery type is consignee. This requires the receiving official to perform the tasks normally completed by a dealer prior to the vehicle being placed in service. These tasks include but are not limited to verifying all fluid levels, re-torque lug nuts, adjusting tire pressures, inspecting all vehicle systems for proper function, registration of all subcomponents for warranty start date and mileage, and notifying the manufacture of in service date and mileage accrued during delivery.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

GSA Components	GSA Min Req	Minimum Requirements			
		Truck Country Freightliner FREIGHTLNR	NAVISTAR, INC INTERNATNL	Central Truck KENWORTH	BOYER TRUCK WESTERNSTR
<b>Body/Chassis</b>					
CFF - TILTING HOOD AND FENDER ASSEMBLY	Standard	Comply	Comply	Comply	Comply
FAP - FRONT AXLE POSITION	Set Back	Comply	Comply	Comply	Set Back
FRAM - FRAME	Min RBM 2,100,000 in.- lbs	Comply	Comply	Comply	Comply
GCWR - GROSS COMBINED WEIGHT RATING	Minimum 80,000 lbs	80,000 lbs	80,000 lbs	Comply	Comply
SRB - STANARD REAR BUMPER	Steel, ICC Underride Protection	Comply	Comply	Comply	Comply
MFMC - MFG. MODEL CODE	Manufacturer's model for standard configuration truck	M2-106	HV	T370	4700SB
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	Minimum 52,000 - Max 58,000 lbs	52,000 lbs	52,000 lbs	Comply	52,000 lbs
BDSZ - BODY SIZE, OVERALL LENGTH min./max. in.	Standard length - 24 feet	Comply	24 ft	Comply	Comply
<b>Engine Minimums</b>					
ET - ENGINE TYPE - Cylinders / Liters	Diesel / Inline 6 cyl / minimum 8.9 Liters	Comply	Diesel / Cummins L9	Comply	Diesel / Inline 6 cylinder / 8.9 L
HP - HORSEPOWER	Minimum 345 hp	350 HP	350 hp	Comply	345 hp
TORQ - TORQUE (lb ft)	Minimum 1100 lbft	1,150 lb/ft	1150 lbft	Comply	1150 lb ft
COOL - COOLING SYSTEM	Standard - extended life coolant protection to -34F	Comply	Comply	Comply	-34 F
<b>Engines</b>					
YD - DIESEL ENGINE	Must meet current US emission requirements for ULSD (Ultra Low Sulfur Diesel)	Comply	Comply	Comply	Comply
<b>Alternative Fuel</b>					

FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Standard	Comply	Comply	Comply	Comply
<b>Engine Accessories</b>					
ACSI - ENGINE AIR CLEANER SERVICE INDICATOR	Standard - Located in the engine compartment	Comply	Comply	Comply	Comply
EAS - ENGINE ALARM SYSTEM	low oil PSI, low coolant & high coolant temp shut down	Comply	Comply	Comply	Comply
EH - ENGINE BLOCK HEATER, OEM	Minimum 750 watt, 110-120 60Hz Volt coolant heater	1,000 Watt / 115 Volt	Comply	Comply	Comply
EHM - ENGINE HOUR METER	Standard	Comply	Comply	Comply	Comply
ESD - ENGINE AUTOMATIC SHUTDOWN	5 minute idle shutdown timer	Comply	Comply	Comply	Comply
<b>Exhaust</b>					
EX - EXHAUST SYSTEM	Horizontal with turn down	Comply	Comply	Comply	Comply
<b>Transmission</b>					
T2 - AUTOMATIC TRANSMISSION	Minimum 6-speed Allison 3000 RDS	Comply	3000 RDS / 6	Comply	Allison 3000 RDS 6 Spd
<b>Brakes</b>					
ABAS - AIR BRAKE - AIR STORAGE TANKS	Automatic moisture purge on wet tank	Comply	Comply	Comply	Comply
ABC1 - COMPRESSOR - AIR BRAKES	Minimum 15.9 CFM	Comply	Comply	Comply	Comply
ABD - AIR BRAKE DRYER	Automatic moisture purge heated, cartridge element type	Comply	Comply	Comply	Comply
BA - BRAKES-AIR	Dust shields on rear axle drum brake assemblies	Comply	Comply	Comply	Comply
<b>Auxiliary Braking</b>					
ECB - ENGINE COMPRESSION BRAKE	Standard	Comply	Comply	Comply	Comply
<b>Front Axle</b>					
AXF - FRONT AXLE	Front axle rating min 12,000 lbs	12,000 lbs	12,000 lbs	Comply	12,000 lbs
<b>Rear Axle</b>					
AXR - REAR AXLE	40,000 lb GAWR, Single Speed	40,000 lbs	40,000 lbs	Comply	40,000 lbs
<b>Rear Axle Differential</b>					
D1 - DIFFERENTIAL LOCK OUT, DRIVER CONTROLLED	Standard - front axle and bogie of tandem	Comply	Comply	Comply	Comply
D2 - INTER-AXLE DIFFERENTIAL (IAD) LOCK-OUT, DRIVER CONTROLLED	Standard	Comply	Comply	Comply	Comply
<b>Drive Axle</b>					
ATC - AUTOMATIC TRACTION CONTROL	Standard	Comply	Comply	Comply	Comply
SLRA - SYNTHETIC LUBRICANT FRONT AND REAR AXLE	Synthetic lube filled front and rear axle assemblies	Comply	Comply	Comply	Comply
<b>Electrical</b>					
HORN - HORN(S) min	electric & air	Comply	Comply	Comply	Comply

ALT - ALTERNATOR, MIN. (Amps)	Min 160 amps - 12 volt	160 Amp	160 amp	Comply	160 amps
<b>Fuel</b>					
FFS - FUEL/WATER SEPARATOR, HEATED	Standard	Comply	Comply	Comply	Comply
FUEL - FUEL TYPE		Diesel Dedicated	Diesel Dedicated	Diesel Dedicated	Diesel Dedicated
FC - FUEL CAPACITY MIN US GALLONS	50 gallons	50 Gal	50 gal	Comply	Comply
<b>Exterior</b>					
EOH - EXTERIOR OVERALL HEIGHT- FT.IN	Measured from ground to highest point on van body	12' +/- 6"	138 +/- 5 in	136 in +/-3 in	approx 12' +/- 6 in
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED		Comply	Comply	Comply	Comply
<b>Doors and Windows</b>					
WN - WIPERS-WINDSHIELD-INTERMITTENT	Intermittent & multi speed w/washers	Comply	Comply	Comply	Comply
<b>Lights and Lighting</b>					
DRL - DAYTIME RUNNING LIGHTS	Standard	Comply	Comply	Comply	Comply
LED - LIGHTS, LIGHT EMITTING DIODE (LED)	All LEDs except front turn signals, and headlamps	Comply	Comply	Comply	Comply
<b>Interior</b>					
TS - TILT STEERING	Standard	Comply	Comply	Comply	Comply
AC - AIR CONDITIONING	Standard	Comply	Comply	Comply	Comply
PS - POWER STEERING	Standard	Comply	Comply	Comply	Comply
<b>Floor</b>					
WF - WOOD FLOORING	Laminated hardwood van body interior flooring	Comply	Comply	Comply	Comply
<b>Radio</b>					
RAD - AM/FM RADIO WITH COMPACT DISC PLAYER	Standard	Comply	Comply	Comply	Comply
<b>Seats</b>					
DSS - DRIVER'S SEAT, SUSPENSION TYPE	Air suspension, adj height, seat tracks	Comply	Comply	Comply	Comply
SEAT - SEATING CAPACITY min.	Driver and one passenger	Comply	Comply	Comply	Comply
VCPS - VINYL COVER PASSENGER SEATS	Manufacture's vinyl seat cover - driver and passenger seats	Comply	Comply	Comply	Comply
<b>Safety</b>					
BUA - BACK-UP ALARM	Standard	Comply	Comply	Comply	Comply
FEX - SAFETY KIT, FIRE EXTINGUISHER & ETC.	Standard	Comply	Comply	Comply	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR	Standard	Comply	Comply	Comply	Comply
<b>Tires and Wheels</b>					
WHP - HUB PILOTED WHEELS	Steel Disc 22.5 inch diameter	Comply	Comply	Comply	Comply
TIRE - TIRES	Regional/Urban Tread	Comply	Comply	Comply	Comply
<b>Towing</b>					
FTH - FRONT TOW HOOKS	Hooks, loops, eyes, mounted on the frame	Comply	Comply	Comply	Comply

<b>Vendor Furnished Body Items</b>						
CRT - CARGO RESTRAINING TRACK	Standard with 2 E tracks on walls located at 24 and 40 inches	Comply		Comply	Comply	Comply
DVC - ROLL-UP REAR DOOR	Standard	Comply		Comply	Comply	Comply
<b>Van Body</b>						
VBIH - VAN BODY INTERIOR HEIGHT	Minimum 84 inches floor surface to ceiling	Comply		Comply	Comply	Comply
VBIW - VAN BODY INTERIOR WIDTH	Minimum width 90 inches wall to wall	Comply		Comply	Comply	Comply
VBRD - VAN BODY REAR DOOR OPENING	Minimum 78 inches clear opening height, 87 inches width	Comply		Comply	Comply	Comply
<b>Delivery</b>						
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Standard	Comply		Comply	Comply	Comply
<b>Miscellaneous</b>						
RJS - REMOTE JUMP START POSTS	Standard	Comply		Comply	Comply	Comply
<b>Warranty</b>						
WARP - OEM POWERTRAIN WARRANTY	Manufacturer's commercial warranty provisions.	2 year 250,000 miles		Eng 2 yr / Trans 3 yr	Eng 2yr/Trans 3yr	Eng 2 Yr / 250K Mi - Trans 3 Yr/ Unlimited Mi
WARC - OEM CORROSION WARRANTY	Manufacturer's commercial warranty provisions	Cab: 5 year unlimited miles / Chassis: 6 months unlimited miles		Cab/cowl 5 yr per chassis warranty	3yr	Cab 5 Yr / Unlimited
WARV - CONTRACTOR COMPREHENSIVE BODY WARRANTY	Manufacturer's commercial warranty provisions.	1 year		1 yr	1 Yr	1 YR



## Optional Equipment

GSA Components	Truck Country Freightliner FREIGHTLNR	NAVISTAR, INC INTERNATNL	Central Truck KENWORTH	BOYER TRUCK WESTERNSTR
<b>Body/Chassis</b>				
CC - CREW-CAB, 4 DOOR	Package	Package	Package	N/A
SBVT - STEP BUMPER - Two Steps, Shelf Type	Package	Stand Alone	Package	Package
SFFA - SET FORWARD FRONT AXLE	N/A	Stand Alone	Package	Package
<b>Engines</b>				
YD34 - ENGINE-DIESEL-MIN 425 GHP & 1650 LB-FT TORQUE	Package	Package	Package	Package
YD49 - ENGINE-DIESEL-MIN 380 GHP & 1450 LB-FT TORQUE	Package	Package	Package	Package
YD24 - ENGINE - DIESEL - MIN 425 GHP & 1550 LB-FT TORQUE	Package	Package	Package	Package
<b>Engine Accessories</b>				
ASI - AIR CLEANER SERVICE INDICATOR (LOCATED IN DRIVER'S AREA)	Package	Stand Alone	Stand Alone	Package
DPFR - MANUAL ACTIVE REGENERATION CONTROL OF DPF	Package	Stand Alone	Standard	Package
FFP - COOLANT HEATER-FUEL FIRED	Package	Stand Alone	Package	Package
<b>Exhaust</b>				
VES - VERTICAL EXHAUST SYSTEM	Package	Stand Alone	Package	Package
<b>Transmission</b>				
4000 - TRANSMISSION AUTOMATIC ALLISON 4000 CLOSE RATIO	Package	Package	Package	Package
4500 - TRANSMISSION AUTOMATIC ALLISON 4500 WIDE RATIO	Package	Package	Package	Package
AM10 - TRANSMISSION FULLY AUTOMATED- 10 Forward and 2 Reverse	Package	Package	Package	Package
AM13 - TRANSMISSION FULLY AUTOMATED- 12 or 13 Forward Speeds	Package	Package	Package	Package
AT7 - TRANSMISSION AUTOMATIC - 7 Forward and 2 Reverse	Package	Package	Package	Package
<b>Brakes</b>				
BADA - BRAKES-AIR-DISC-ALL WHEEL ENDS	Package	Stand Alone	Package	Package
<b>Front Axle</b>				
FA14 - AXLE-FRONT-MIN 14,000 LBS GAWR	Package	Stand Alone	Package	Package
FA16 - AXLE-FRONT-MIN 16,000 LBS GAWR	Package	Stand Alone	Package	Package
FA18 - AXLE-FRONT-MIN 18,000 LBS GAWR	Package	Stand Alone	Package	Package
<b>Drive Axle</b>				
HDFA - HYDRAULIC DRIVE FRONT AXLE (4X4 6X6 conversion)	Package	Package	Package	Package
<b>Electrical</b>				
RACB - RADIO CB 40 CHANNEL	Package	Stand Alone	Stand Alone	Package
VOL - 24 VOLT 12 PIN NATO TRAILER SYSTEM	Package	Stand Alone	Package	Package
<b>Fuel</b>				
FT15 - 150 GALLONS MINIMUM FUEL CAPACITY	Package	Package	Package	Package
FTC - 70 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone	Package	Package

FTD - 100 GALLONS MINIMUM FUEL CAPACITY	Package	Stand Alone	Package	Package
FTE - 200 GALLONS MINIMUM FUEL CAPACITY	Package	N/A	Package	Package
<b>Exterior Paint</b>				
CPT - PAINT-CUSTOM COLOR	Stand Alone	Stand Alone	Stand Alone	Package
<b>Doors and Windows</b>				
BDD - DOUBLE REAR DOORS	Package	Package	Package	Package
BSD - SIDE DOOR AT CURB	Package	Stand Alone	Package	Package
PWL - POWER WINDOWS & DOOR LOCKS	Package	Stand Alone	Package	Package
<b>Lights and Lighting</b>				
DRLD - DAYTIME RUNNING LIGHTS-DELETE	Package	Stand Alone	Stand Alone	Package
FOG - FOG LIGHTS	Package	Stand Alone	Package	Package
<b>Electronics Audio Visual</b>				
VCB1 - VIDEO CAMERA-BACKUP-COLOR MONITOR	Package	Stand Alone	Package	Package
<b>Interior</b>				
CSAR - CAB SUSPENSION - AIR RIDE	Package	Standard	Package	Standard
PINV - POWER INVERTER - 1800 WATTS 115V 60HZ DUPLEX	Package	Stand Alone	Package	Package
SWT - STEERING WHEEL TELESCOPING	Standard	Stand Alone	Standard	Standard
SK - METRIC SPEEDOMETER / ODOMETER	Standard	Stand Alone	Stand Alone	Package
<b>Floor</b>				
BFA - FLOOR, ALUMINUM TYPE	Package	Stand Alone	Package	Package
<b>Heating Ventilation Air Cond</b>				
CAF - CABIN AIR FILTER	Standard	Stand Alone	Stand Alone	Package
<b>Seats</b>				
DSS2 - DRIVER & PASSENGER'S SEAT, SUSPENSION TYPE	Package	Stand Alone	Package	Package
<b>Safety</b>				
BUOD - BACKUP SENSOR SYSTEM - OBSTACLE DETECTION	Package	Package	Stand Alone	Package
FWOD - FRONT WARNING SYSTEM - OBSTACLE DETECTION	Package	Package	Stand Alone	N/A
<b>Suspension</b>				
SAR - SUSPENSION-AIR SPRING-REAR	Package	Stand Alone	Package	Package
<b>Auxiliary Axles</b>				
AA10 - 10,000 LB AUXILIARY AXLE, STEERABLE PUSHER, AIR LIFT	N/A	Package	Package	Package
AA13 - 13,000 LB AUXILIARY AXLE, STEERABLE PUSHER, AIR LIFT	N/A	Package	Package	Package
<b>Tires and Wheels</b>				
SLP - LOW PROFILE TIRES	Standard	Stand Alone	Package	Package
TAFE - TIRES - ALL SEASON HIGHWAY TREAD - IMPROVED FUEL ECONOMY	Standard	Stand Alone	Package	Package
TJ - TOOLS-TIRE REMOVAL AND JACK	Package	Stand Alone	Stand Alone	Package
TOHR - TIRES - ON OFF HIGHWAY ROUGH ROAD CONDITIONS	Package	Stand Alone	Package	Package
WLP - WHEELS, PAINTED CAB COLOR	Package	Package	Package	N/A
WLP1 - WHEELS PAINTED BLACK	Package	Package	Package	Package

TPMS - TIRE PRESSURE MONITORING SYSTEM	Package	Stand Alone	Package	N/A
ALW - ALUMINUM WHEELS	Package	Package	Package	Package
AWLA - ALUMINUM WHEELS ON LIFT AXLE, per axle	N/A	Stand Alone	Package	Package
TSCF - TIRE-SPARE ASSEMBLY AND CARRIER-FRONT AXLE	Package	Package	Package	Package
TSCR - TIRE-SPARE ASSEMBLY AND CARRIER-REAR AXLE	Package	Package	Package	Package
TSAF - TIRE-SPARE ASSEMBLY-FRONT AXLE-SHIPPED LOOSE	Stand Alone	Stand Alone	Package	Package
TSAR - TIRE-SPARE ASSEMBLY-REAR AXLE-SHIPPED LOOSE	Stand Alone	Stand Alone	Package	Package
<b>Towing</b>				
TTP6 - TRAILER TOWING PACKAGE 15 TON FIXED POSITION PINTLE	Package	Package	Package	Package
TBE - ELECTRIC TRAILER BRAKE CONTROL	Package	Stand Alone	Package	Package
<b>Packaged Options</b>				
CWPT - COLD WEATHER PACKAGE- Starting & Protection to -20F	Package	Stand Alone	Package	Package
SCW - SEVERE COLD WEATHER PACKAGE-Start & Protection to -40F	Package	Package	Package	Package
<b>Liftgates</b>				
FS3A - 3000LB FOLD&STOW UNDER 80Wx60L ALUM LIFT	Package	Package	Package	Package
FS54 - 3000LB FOLD&STOW UNDER 80Wx50L ALUM LIFT	Package	Package	Package	N/A
FS3R - 3000LB FOLD&STOW 80Wx60L ALUM LIFT W/ PULL OUT WALK RAMP	Package	Package	Package	Package
CLG4 - 4,400 LB CANTILEVER LIFT 94Wx82L - REPLACES REAR DOOR	Package	Package	Package	Package
CLF4 - 4,400LB CANTILEVER LIFT 94Wx91L - REPLACES REAR DOOR	Package	Package	Package	Package
RL54 - RAILLIFT 3,000LB CAP. ALUM FOLDING PLATFORM-84Wx54L	Package	Package	Package	Package
RL66 - RAILLIFT 4,000LB CAP STEEL FOLDING PLATFORM-90Wx60L	Package	Package	Package	Package
RLS6 - RAILLIFT 6,000LB CAP. STEEL FOLDING PLATFORM-90Wx72L	Package	Package	Package	Package
CL84 - COLUMNLIFT 6,600LB CAP ALUM FOLDING PLATFORM- 80 Wx84 L	Package	Package	Package	Package
WR14 - WALK RAMP - PULL OUT - 14 FEET LENGTH	Package	Package	Package	Package
WR16 - WALK RAMP - PULL OUT - 16 FEET LENGTH	Package	Package	Package	Package
<b>Vendor Furnished Body Items</b>				
B28 - BODY LENGTH, 28 FEET	Package	Package	Package	Package
DCRT - DELETE CARGO RESTRAINING TRACKS	Package	Stand Alone	Package	Package
FLU - FORKLIFT USE - Includes tall body & reinforced floor	Package	Package	Package	Package
HODK - HOLD OPEN DOOR KEEPER FOR ROLLUP DOORS	Package	Stand Alone	Stand Alone	Package
B20 - BODY LENGTH, 20 FEET	Package	Stand Alone	Package	Package
B22 - BODY LENGTH, 22 FEET	Package	Stand Alone	Package	Package
B26 - BODY LENGTH, 26 FEET	Package	Stand Alone	Package	Package
BR - TRANSLUCENT ROOF	Package	Stand Alone	Package	Package
BRT - INTERIOR ROPE TIES	Package	Package	Package	Package

FRP - FIBERGLASS DELIVERY VAN BODY	Package	Package	Package	Package
<b>Van Body</b>				
CSVB - CURTAINSIDE VAN BODY - Soft Sides	N/A	Stand Alone	Package	N/A
HRRC - HEAT REFLECTIVE ROOF COATING	N/A	Stand Alone	Stand Alone	N/A
VBWI - VAN BODY WIDTH INCREASE TO 102 INCHES	Package	Stand Alone	Package	Package
<b>Snow and Ice Removal Equipment</b>				
SP10 - SNOWPLOW PACKAGE - POWER ANGLING 10 FT WIDE BLADE	N/A	Package	N/A	N/A
SP12 - SNOWPLOW PACKAGE - POWER ANGLING 12 FT WIDE BLADE	N/A	Package	Package	N/A
<b>Delivery</b>				
DDR - DEALER DELIVERY	Package	Package	Stand Alone	Package
<b>Export Delivery</b>				
1611 - OEM EXPORT DOCUMENT FEE	Package	Package	Stand Alone	Package
<b>Air Transportability</b>				
ATR2 - AIR TRANSPORTABLE - C5 & C17 AIRCRAFT ONLY	Package	Package	Package	Package
<b>Miscellaneous</b>				
BTA - TOOL COMPARTMENT, ALUMINUM WITH LATCH	Package	Stand Alone	Package	Package
BTC - TOOL COMPARTMENT, STEEL WITH LATCH	Package	Stand Alone	Package	Package
FFE1 - FRONT FRAME EXTENSIONS	N/A	Stand Alone	Package	Package
FPH - HAZMAT PLACARD HOLDERS	Package	Stand Alone	Stand Alone	Package
MIL - DATA PLATE AND DD250	Stand Alone	Stand Alone	Stand Alone	Package
OBS3 - ON BOARD LOAD SCALES FOR STRAIGHT TRUCKS W/AIR SUSPENSION	Package	Package	Package	Package
PSM - PARTS AND SERVICE MANUALS	Stand Alone	Stand Alone	Stand Alone	Package
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	Stand Alone	N/A	Stand Alone	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	Stand Alone	Package
RBES - RADIATOR BUG SCREEN	Package	Stand Alone	Package	Standard
RWF - RADIATOR - WINTER FRONT	Stand Alone	Stand Alone	Stand Alone	Package
TDN - PROVISIONS FOR VEHICLE TIEDOWN DURING TRANSPORT	Package	Stand Alone	Package	Package
LGRC - LIFTGATE CONTROLS - HAND HELD REMOTE	Package	Package	Package	Package
SRP - ADDITIONAL RUSTPROOFING per FED-STD 297E	Package	Stand Alone	Package	Package
<b>Warranty</b>				
CWR - COMPONENT WARRANTY REGISTRATION	Stand Alone	Stand Alone	Stand Alone	Package



15. Ordering Data for Sedan Midsize

Result for FAS Vehicle Standards Information Fiscal Year 2018

Minimum/Optional Equipment for 10B - SEDAN, MIDSIZE, 5 PASSENGER, 4 DOOR

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

Minimum Requirements

GSA Components	GSA Min Req	FCA US LLC CHARGER	GM IMPALA	FORD TAURUS
<b>Body/Chassis</b>				
PVOL - PASSENGER COMPARTMENT VOLUME - cu ft		104.7	105	102.3
TVOL - TRUNK VOLUME - cu ft		16.5	18.5	20.1
XLT - TRIM LEVEL		SXT	LS/1FL	SE
MFMC - MFG. MODEL CODE		LDDM48	1GX69	P2D
TRNK - BODY STYLE	Trunk	Trunk	trunk	Trunk
WB - WHEELBASE		120	111.7	112.9
CW - BASE CURB WEIGHT w/ GSA min reqmts - lbs		3961	3555	3739
<b>Engine Minimums</b>				
ET - ENGINE TYPE - Cylinders / Liters		6/3.6	4/2.5L	6/3.5L TI-VCT - FFV
HP - HORSEPOWER		292	197	263
<b>Engine Accessories</b>				
OLS - OIL LIFE SYSTEM		Comply	COMPLY	COMPLY
<b>Transmission</b>				
T2 - AUTOMATIC TRANSMISSION		8 SPEED	6 speed	6 speed selectshift automatic
<b>Drive Axle</b>				
ATC - AUTOMATIC TRACTION CONTROL		COMPLY	comply	comply
<b>Fuel</b>				
FUEL - FUEL TYPE		E85 Flex-Fuel	Gasoline Dedicated	E85 Flex-Fuel
FC - FUEL CAPACITY MIN US GALLONS		18.5	18.5	19
<b>Doors and Windows</b>				
RKE - REMOTE KEYLESS ENTRY		comply	comply	comply
RD - REAR WINDOW ELECTRIC DEFROSTER		COMPLY	comply	comply
WN - WIPERS-WINDSHIELD-INTERMITTENT		COMPLY	comply	comply
PWL - POWER WINDOWS & DOOR LOCKS		front and rear	front and rear	front and rear
<b>Lights and Lighting</b>				
DRL - DAYTIME RUNNING LIGHTS		COMPLY	comply	comply
<b>Interior</b>				
CRTS - CRUISE CONTROL AND TILT STEERING		COMPLY	comply	comply
AC - AIR CONDITIONING		COMPLY	comply	comply
PS - POWER STEERING		COMPLY	comply	comply
RCT - REMOTE TRUNK RELEASE		COMPLY	comply	comply
CU - CLOTH UPHOLSTERY		COMPLY	comply	COMPLY
<b>Floor</b>				
FLCV - FLOOR COVERING	Carpet	COMPLY	COMPLY	COMPLY
MF - FLOOR MATS		front and rear	front and rear	front and rear
<b>Radio</b>				
RAX - AM/FM RADIO with AUXILIARY INPUT		COMPLY	AM/FM w aux input	COMPLY
<b>Seats</b>				
PWD - POWERED DRIVER'S SEAT		COMPLY	comply	COMPLY
SEAT - SEATING CAPACITY min.	5	5	5	5 - COMPLY
STS - FIRST ROW SEAT TYPE	Bucket	Bucket	comply	bucket
<b>Safety</b>				
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL		Comply	comply	comply
CBU - BACKUP CAMERA		Comply	comply	COMPLY
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1		COMPLY	comply	comply

SRS2 - SIDE SUPPLEMENTAL RESTRAINT SYSTEM ROW 2		COMPLY	comply	comply
BTCP - Blue Tooth compatible hands free phone system		COMPLY	comply	COMPLY
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		COMPLY	comply	comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		COMPLY	comply	comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		COMPLY	comply	comply
<b>Tires and Wheels</b>				
PLAB - TIRE PRESSURE MONITORING SYSTEM		COMPLY	comply	comply
STA - SPARE TIRE ASSEMBLY		COMPACT	comply- compact tire	Mini Spare/comply
TIRE - TIRES		P215/65R17/AS	P235/50R18/AS	P235/55R18 A/S BSW
<b>Warranty</b>				
WARR - OEM COMPREHENSIVE WARRANTY	3 yr/36,000 mile bumper to bumper	3 YR / 36,000 MILES	comply	3yr/36,000 mi
WARP - OEM POWERTRAIN WARRANTY		5 YR / 100,000 MILES	5 yr/100,000 miles	5 yr/60,000 mi
WARC - OEM CORROSION WARRANTY		5 yr / 100,000 miles	6 yr/100,000 miles	5 yr/unlimited
WARA - ROADSIDE ASSISTANCE		5YR/100,000 MILES	5 YR/ 100,000 MILES	5 yr/60,000 mi

Optional Equipment			
GSA Components	FCA US LLC CHARGER	GM IMPALA	FORD TAURUS
<b>Engines</b>			
IE1 - Increased Power Engine 1	Package	Stand Alone	N/A
YD - DIESEL ENGINE	N/A	N/A	N/A
DE1 - Decreased Power Engine	N/A	N/A	N/A
<b>Alternative Fuel</b>			
CNG2 - DUAL FUEL - CNG AND GASOLINE	N/A	N/A	N/A
E85 - ETHANOL FLEXIBLE FUEL	Standard	Package	Package
<b>Engine Accessories</b>			
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone	Stand Alone
<b>Transmission</b>			
T8A - 8-SPEED AUTOMATIC TRANSMISSION	Standard	N/A	N/A
<b>Drive Axle</b>			
AWD - OEM ALL WHEEL DRIVE	Package	N/A	Package
<b>Exterior Paint</b>			
CPT - PAINT-CUSTOM COLOR	N/A	N/A	N/A
<b>Doors and Windows</b>			
DTG - DARK TINTED GLASS	Standard	N/A	N/A
RKS - REMOTE KEYLESS START	Standard	Stand Alone	Package
<b>Electronics Audio Visual</b>			
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard	Standard	Standard
OS - ON STAR	N/A	Package	N/A
SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A	N/A	Standard
<b>Interior</b>			
AP - ADJUSTABLE OPERATING PEDALS	N/A	N/A	Package
<b>Seats</b>			
FFRS - FOLD FLAT REAR SEAT	Standard	Standard	Standard
<b>Seating</b>			
S6 - 6 PASSENGER SEATING	N/A	N/A	N/A
<b>Safety</b>			
AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A	N/A	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A	N/A	N/A
BSDS - BLIND SPOT DETECTION SYSTEM	Package	Package	Package
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A	N/A	N/A
SBAS - SEAT BELT ALERT SYSTEM	N/A	N/A	N/A
SIAP - SIDE-IMPACT AIR BAGS	Standard	Standard	Standard
SRO - OEM REVERSE OBSTACLE SENSOR	Standard	Stand Alone	Package
ACC - ADAPTIVE CRUISE CONTROL	N/A	Package	Package
RCTA - REAR CROSS TRAFFIC ALERT	N/A	Package	Package
LDW - LANE DEPARTURE WARNING SYSTEM	Package	Package	Package
FCAS - FORWARD COLLISION ALERT SYSTEM	Package	Package	Package
<b>Delivery</b>			
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone	Package	Package
<b>Delivery outside CONUS</b>			
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A	N/A	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	Stand Alone	N/A	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	N/A	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Stand Alone	Package	Stand Alone
DDRG - DEALER DELIVERY GUAM	Stand Alone	N/A	Stand Alone
DDRH - DEALER DELIVERY HAWAII	Stand Alone	Package	Stand Alone
DDRP - DEALER DELIVERY PUERTO RICO	N/A	Package	Stand Alone

DDVI - DEALER DELIVERY VIRGIN ISLANDS ST CROIX AND ST THOMAS	N/A	N/A	Stand Alone
<b>Export Delivery</b>			
1611 - OEM EXPORT DOCUMENT FEE	Stand Alone	Package	Package
<b>Law Enforcement Options</b>			
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Standard	Stand Alone	Stand Alone
LU15 - NOAA UNMARKED SEDAN UPFIT	Package	N/A	Package
<b>Miscellaneous</b>			
PSM - PARTS AND SERVICE MANUALS	N/A	Stand Alone	N/A
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A	Stand Alone	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	Stand Alone
NMY - NEXT MODEL YEAR VEHICLE	N/A	N/A	N/A



16. Ordering data for Tractor Whse 4 K and Over

**Minimum Performance Requirements – MPR50001**  
**TRACTOR, WAREHOUSE, 4K**  
**Master NSN 3930-01-007-0115**

The Contractor shall comply with all requirements specified below. Obsolete Military Specification MIL-T-15830H dated 25 July 1966 is provided as a reference only:

**Basic specifications and construction (Standard Equipment)**

- One-piece frame structure, all-welded
- Body/chassis design shall include a forward engine and a rearward driver and passenger compartment with seats that facilitate direct operator visibility of the rear pintle hook. The first entrance step to the cab shall not exceed 18.00 inches in height from the ground.
- Rigid, removable, sit-down type, top-mounted, enclosed, two-man cab with doors constructed of rigid materials:
  - Cab shall be equipped with wipers, mirrors, visors, heater/defroster, ventilating fan, interior light, and pulsating, amber beacon installed on the cab roof.
  - Cab shall be designed to ensure unobstructed operator visibility forward, rearward, and to either side at the operator's eyes. The cab shall be designed with direct operator visibility of the rear pintle hook.
  - Cab shall be equipped with two personnel doors with non-locking latches, opening stops and hold open catches, and sliding windows. Doors and opening stops shall not interfere with drivers and passengers ability to enter and exit the tractor.
  - Cab shall feature a rear sliding window.
  - Cab's interior sound level shall not exceed 84 dB (A) with doors and windows closed.
  - Air conditioning system.
- Seats – the driver's and passenger's seats shall incorporate a scissors-type suspension for driver and passenger comfort.
- Minimum Gross Vehicle Weight (GVW) of 5,000 pounds
- Minimum Drawbar Pull Force (DBPF) of 4,000 pounds on dry level concrete (coefficient of friction of 0.8)
- Capable of towing trailers up to 40,000 pounds on grades up to two and one half percent
- Engine, 4-cylinder diesel, JP-8 and B-20 fuel compatible
- Engine shutdown system for low oil pressure/high coolant temperature

- Power train shall not require winterization Type A package (for storage down to minus 65F and starting down to minus 40F).
- Anti-restart ignition
- Transmission, automatic
- Two-wheel drive (rear) and two-wheel, power steering (front)
- Minimum speeds of 12 mph forward / 2.5 mph reverse
- Hydraulically operated brakes on all four wheels with hydro-boost power assist
- Steel wheels and pneumatic tires in accordance with the Tire and Rim Association. Valve stems may be rubber or metal, but the valve stem caps shall be vinyl or plastic. Tire inflation pressures shall be noted on all wheel well openings, and shall be in accordance with Air Force Technical Order (T.O.) 36-1-191. If tire loads and tire inflation pressures that exceed the specifications on the tire sidewall markings are required, a copy of the application approval from the tire manufacturer shall be added in the Technical Manual.
- The tow tractor shall be equipped with a mechanically actuated parking brake. A lockout system shall be provided that disallows the transmission to go into forward or reverse gear, or shuts the engine down, or disallows the engine to respond to throttle when the parking brake is on and the tow tractor gear selector is placed in forward or reverse gear. The lockout system shall also include a cab-mounted warning light. The tow tractor parking brake shall be capable of holding the tow tractor and a fully loaded MHU-141 trailer on an 11.5 degree incline, headed either up or down, without the trailer's parking brake engaged. The MHU-141 trailer has a maximum loaded weight of 8,400 pounds and a manual parking brake located on the trailer. A test report shall be submitted to the Air Force Engineer with the first production tow tractor. The report shall show compliance with the loading requirement as specified above.
- Instrumentation shall be a standard commercial installation to include an ammeter, engine oil pressure gauge, fuel level gauge, engine coolant temperature gauge, hour meter, odometer, and speedometer.
- Tow tractor shall be equipped with two pintle hook couplers – one front and one rear of the tractor. Their mean nominal engagement height shall be 12.00 inches above ground level, plus or minus ½ inch. The pintle hooks shall be in accordance with CID A-A-52550 Type 1, Class 2. Pintle hooks shall be attached to the pintle hook mounting structure with a minimum of four ½-13 or ½-20, Grade 8 fasteners. The pintle hook fasteners shall be installed with a design fastening torque applied such that an adequate preload is introduced in the fastener to prevent losing or fatiguing the fasteners and/or pintle hook. A description of the fastener type and the fastening torque shall be recorded in the Technical Order.

- A decal shall be included on the front and rear of the vehicle near the pintle hook position that states: **MAXIMUM TOWING CAPACITY: 4,000 LBS DRAWBAR PULL FORCE / 40,000 LBS GVW TRAILERS.**
- The rear of the tow tractor shall be equipped with an emergency trailer-breakaway cable attachment point, capable of mating with NAS 1281C10 spring snap hook.
    - The attachment point shall be within 9.00 inches (vertical distance) above the pintle hook's coupling position.
    - The vertical centerline of the attachment point shall be located at a parallel distance of not greater than 5.00 inches to the left or right of the tow tractor's centerline.
    - The attachment point shall be within 11.00 inches forward of the base of the pintle hook.
    - The attachment point shall not be installed on the pintle hook assembly.
  - The rear of the tow tractor shall have two safety chain attachment points for use when towing.
    - The D-rings shall be located symmetrically on each side of the pintle hook within 6.00 inches (vertical distance) above the pintle hook's coupling position.
    - The vertical centerline of the D-rings shall be located at a parallel distance of not greater than 10.00 inches to the left and right of the tow tractor's centerline.
    - The D-rings shall be within 5.00 inches forward of the base of the pintle hook.
    - The D-rings shall not be installed on the pintle hook assembly.
    - Each D-ring shall be capable of withstanding a maximum shock load of 6,000 pounds and shall have the ability for standard safety chain hooks to be attached.
    - The inside radius of the safety chain hook is between 1.00 and 3.00 inches.
  - The tow tractor lighting shall be equivalent to the standard commercial offering to include a rear adjustable aim floodlight, parking lights, head lights (high and low beam), brake lights, turn signals, hazard lights wired to a constant-hot circuit, and reverse lights. The rear adjustable aim floodlight, of not less than 3000 candlepower, shall be mounted on the tow tractor so that the rear working area behind the cab and the rear coupling positions are illuminated. An externally-mounted back-up warning alarm shall be included in the reverse lights circuit.
  - The tow tractor shall be equipped with a 5 pound (minimum) dry chemical type fire extinguisher with mounting bracket, and a ULC rating of 20B:C (minimum).
    - The tow tractor shall be painted the manufacturer's standard commercial color using the manufacturer's standard commercial paint system. Prior to the application of the finish top coat, any cab or chassis component or assembly specifically manufactured by or for the tow tractor manufacturer, from sheet, plate, angular, or tubular steel, shall be coated with a zinc-rich primer.
  - The tow tractor shall be corrosion-protected with a thick, hard, black, commercially-available Corrosion Preventive Compound (CPC) that is difficult to remove. Application shall include the exposed chassis-frame metal underneath the tow tractor (excluding the drive train), the

inside of the wheel wells, and behind the fender skirts. In addition, tow tractors that are to be shipped overseas shall be temporarily corrosion-protected from the effect of salt spray both on the ship and at port with the application of a thin, soft-film, semi-transparent, commercially-available CPC that is easily removable by washing or with a low pressure steam. Application of the temporary CPC shall be to the exterior of the tow tractor, in critical or corrosion sensitive areas of the vehicle. The overseas Air Force vehicle maintainers shall remove this temporary CPC on receipt of the tow tractor from the shipper. The Technical Manual shall reflect the temporary CPC removal process.

- Air Transportable on C-5, C-17, and C-130 IAW MIL-HDBK-1791, without the use of shoring.
  
- The tow tractor shall be provided with a permanently-marked transportation data plate constructed of a non-corroding metal, mounted on the exterior surface of the tow tractor. The plate shall contain at least the following information:
  - Side and rear silhouette views of the tow tractor
  - Horizontal and vertical location of the center of gravity of the tow tractor in air transportable configuration, marked on the silhouette views
  - Shipping weight
  - Loading cubage
  - Overall height, width, and length
  - Front and rear axle loads
  - Tie down informationThe information contained on the transportation data plate shall also appear in the Technical Manual as it is presented on the plate.
  
- The tow tractor shall be provided with a permanently-marked identification plate constructed of a non-corroding metal, mounted on the inside of the tow tractor cab, and a rear license plate mounting bracket with license plate attaching hardware. The variable information on the identification plate shall be engraved onto the plate by a method that produces a consistent lettering quality. At a minimum, the identification plate shall include the following information:
  - Vehicle Nomenclature
  - Manufacturer's Model Number
  - Vehicle Identification (serial) Number or VIN
  - Manufacturer's address and phone number
  - Date of Manufacture
  - National Stock Number
  - Contract Number
  - Registration Number
  
- The tow tractor manufacturer shall permanently affix UID information to any eligible subassemblies, components, or parts that are integral to the end item being delivered.

- The tow tractor shall be provided with a permanently-marked lubrication data plate constructed of a non-corroding metal, mounted on the exterior surface of the tow tractor that shall direct attention to all lubrication fittings and components that require lubrication. The plate shall identify the type and grade of lubricant required for all operational temperatures. The information contained on the lubrication data plate shall also appear in the Technical Manual as it is presented on the plate.
- DCMA inspection at manufacturing facility
- First article testing is not required
- PSM – Hard copy of Operators, Parts and Service Manuals to be sent as pack-up data with each vehicle delivered.
- PSME – Electronic copy of Operators, Parts and Service Manuals formatted in Indexed Portable Document Format (IPDF) to be sent to the following address. Only one electronic copy is required per order regardless of quantity of vehicles.
- The contractor shall provide truck manuals consisting of Operators, Parts and Service Manuals. The contractor's Parts Manuals shall list the part numbers for contractor-manufactured parts, plus the part numbers for purchased sub-level components and whole components. Manuals shall be provided in accordance with DFARS 252.227-7015 Technical Data - Commercial Items.

**Optional equipment shall not be provided unless specified.**

17. Ordering data for Truck Material Handling Equipment Order Picker

**TRUCK, LIFT, FORK, ELECTRIC, ORDER SELECTOR, HIGH LIFT RIDER,  
3000 POUND CAPACITY, 193 INCH MINIMUM LIFT**

The Contractor shall comply with all requirements of CID A-A-58069 A unless specifically deleted or changed below:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 1.1 Scope. The truck shall meet UL rating type ES or EE.
- Paragraph 2.2 Environmental requirements. The forklift shall be capable of continuous operation as specified herein at any ambient temperature from 0 degrees F to 125 degrees F. Winterization is not required.
- Paragraph 2.3 Battery. A battery charger compatible with local power shall be shipped with each forklift.
- Paint. The final paint color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 2.23 Manuals. One hard copy of Operators, Parts and Service Manuals will be provided per vehicle as pack-up data. One Electronic copy of Operators, Parts and Service Manuals formatted in Indexed Portable Document Format (IPDF) is required per order.

## 18. Ordering Data for Van Step Multi-Stop 4X2

### Result for FAS Vehicle Standards Information Fiscal Year 2018 Minimum/Optional Equipment for 134 - 4X2 MULTISTOP VAN, MIN 10,001 LBS GVWR

This forward-control, walk-in style vehicle shall have an integral driver's compartment and enclosed body and as specified.

The requirements listed below shall be the minimum furnished on this vehicle:

- 1.The body shall be constructed of sheet aluminum or magnesium alloys of equal strength minimum 0.100 in side panels and with an aluminum frame.
- 2.The roof shall be supported by 4 integral longitudinal ribs and metal roof reinforcements which are bonded in place on 24 in spacing front to rear.
- 3.The nose section of body and interior engine cover may be of composite construction. This shall provide access for all operator required engine and drive train service and maintenance.
- 4.Upholstered high back driver and assistant seats set on tilt pedestals shall be provided. Seats shall be adjustable fore, aft and for height, with positive locking device to secure seat in place when in use. Both seats shall be provided with 3 point safety belts.
- 5.The cab compartment shall be furnished with a minimum 32,000 BTU rated heater.
6. LED Dome lights shall be provided: one in the driver's compartment and two in the cargo compartment, equally spaced. Cargo compartment lights shall be activated by motion sensors.
- 7.Dual adjustable combination (flat and convex) swing away mirrors shall be furnished.
- 9.Side door steps shall be provided at both front entrances, and shall have a tread plate surface.
- 10.Body shall have sliding type front doors. The door operating handles shall be capable of serving as door opening/closing handles, or door grab handles shall be provided.
- 11.All doors shall be furnished with cylinder type locks for the same key,with unlike keys on vehicles to the same destination.
- 12.Sliding windows with not less than 360 sq in of clear glass shall be provided in the front doors.All door windows shall be safety glass mounted in molded rubber (or equal) in the upper section of the doors. Windows shall be weather tight.
- 13.Rear door clear opening shall be a minimum of 35 in wide and 65 in high. Reardoors shall havean R38 door check with a 3 inch extension (or equal) to hold door in full open position. Grab handle shall be provided on inside of rear door, in addition todoor latch operating handle, to assist in closing door(s).
- 14.A full width, minimum 7? deep safety-tread steel step shall be furnished.
- 15.The spare tire carrier shall be located in the cargo area directly behind the bulkhead on the driver's side wall..
- 16.Not less than five full width cross members (includingendsills) shall be furnished. Stub cross members, as required at wheel housing toprovide required strength, shall be furnished. Flooring with integrally formedcross members meets these requirements.
- 17.Roof shall be one piece centersection with caps at the front, rear and sides, not less than 0.032 in thick aluminum. All bodyseams and joints shall be dust and weather sealed.
- 18.Cargo area floor shall be all aluminum ribbed floor planks. The cargo floor shall be notless than 0.125 in. The driver's area and steps shall be not less than 18 gage(0.0478 in).
- 19.Floor and support members shall sustain an evenly distributed load of 125 lb per sq ft of floor area. Alternate floor construction shall be of extrudedaluminum, dry freight construction with strength at least equal to that of steel.

White is the standard color for this item. If a color other than white is desired, option "BPC" Body Paint Color must be ordered. Ordering option BPC requires that a color be chosen from the "Quantity and Color Selections" page in AUTOCHOICE.

Body Load Height, ft:6  
Body Interior Capacity Min, cu ft:450  
Cargo Door Type:Center Panel Doors

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

#### Minimum Requirements

GSA Components	GSA Min Req	BRASADA / NORTHSIDE FORD E350
<b>Body/Chassis</b>		
XLT - TRIM LEVEL		785
MFMC - MFG. MODEL CODE		E3K
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	10001 / 14000	11500
WB - WHEELBASE		138
<b>Engine Minimums</b>		
ET - ENGINE TYPE - Cylinders / Liters		8 / 6.2
HP - HORSEPOWER		316 estimated
TORQ - TORQUE (lb ft)		420 estimated
<b>Transmission</b>		
T2 - AUTOMATIC TRANSMISSION	4 sp w/ OD	6 speed
<b>Electrical</b>		
ALT - ALTERNATOR, MIN. (Amps)	115	150
BATT - BATTERY, MIN. (CCA)		650
<b>Fuel</b>		
FUEL - FUEL TYPE		E85 Flex-Fuel
FC - FUEL CAPACITY MIN US GALLONS		40
<b>Exterior</b>		
RVMV - REAR VIEW MIRRORS	COMBINATION	COMPLY
<b>Doors and Windows</b>		
DOOV - DOORS	2	COMPLY
LOCV - KEYED DOOR LOCK(S)		COMPLY
WNV - WIPERS-WINDSHIELD-INTERMITTENT		COMPLY
<b>Lights and Lighting</b>		
DRL - DAYTIME RUNNING LIGHTS		COMPLY
<b>Interior</b>		
ACV - AIR CONDITIONING		COMPLY
UPHV - UPHOLSTERY	Vinyl	COMPLY
<b>Floor</b>		
FCVV - FLOOR COVERING	In Cab Only	COMPLY
<b>Radio</b>		
RAX - AM/FM RADIO with AUXILIARY INPUT		comply
<b>Seats</b>		
SEAV - SEATING CAPACITY min.	2	comply 2
<b>Safety</b>		
CBU - BACKUP CAMERA		comply

RESV - RESTRAINT SYSTEM, ALL SEATED POSITIONS		COMPLY
SUPV - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		N/A
BTCP - Blue Tooth compatible hands free phone system		comply
<b>Tires and Wheels</b>		
LRT - LOAD RANGE		L
STA - SPARE TIRE ASSEMBLY		COMPLY
TIRE - TIRES	Dual Rear	COMPLY
<b>Vendor Furnished Body Items</b>		
RH2B - STEP TYPE REAR BUMPER		COMPLY
CBI - Cargo Body Interior Height		comply
BUAV - BACK-UP ALARM		COMPLY
DPB - INTERIOR PARTITION, SOLID TYPE		comply
DV2 - CARGO BODY LENGTH 12 FT		comply
LCF - CONCENTRATED FLOOR LOAD (Min, Lbs)	1300	COMPLY
LEDV - BODY EXTERIOR DOT LIGHTING, LED		comply
<b>Warranty</b>		
WARR - OEM COMPREHENSIVE WARRANTY	3 yr / 36000 miles	COMPLY
WARP - OEM POWERTRAIN WARRANTY		5 YR / 60,000 MILE
WARV - CONTRACTOR COMPREHENSIVE BODY WARRANTY	1 yr / 12000 miles	COMPLY



## Optional Equipment

GSA Components	BRASADA / NORTHSIDE FORD E350
<b>Engines</b>	
IE1 - Increased Power Engine 1	Package
YD - DIESEL ENGINE	N/A
IE2 - Increased Power Engine 2	N/A
DE1 - Decreased Power Engine	N/A
<b>Alternative Fuel</b>	
E85 - ETHANOL FLEXIBLE FUEL	Package
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	N/A
<b>Engine Accessories</b>	
EH - ENGINE BLOCK HEATER, OEM	Stand Alone
<b>Rear Axle Differential</b>	
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC	Stand Alone
<b>Drive Axle</b>	
ATC - AUTOMATIC TRACTION CONTROL	Stand Alone
D7 - TOWING/MOUNTAIN RATIO	Package
<b>Electrical</b>	
IA1 - Increased Output Alternator 1	Package
IA2 - Increased Output Alternator 2	Package
<b>Fuel</b>	
AF1 - CHASSIS MANUFACTURER'S MAXIMUM AVAILABLE FUEL TANK(S)	Package
<b>Exterior Paint</b>	
BPC - BODY PAINT COLOR	Stand Alone
<b>Doors and Windows</b>	
DTG - DARK TINTED GLASS	N/A
<b>Interior</b>	
CUV - CLOTH UPHOLSTERY	Stand Alone
DAV - DELETE AIR CONDITIONING	Stand Alone
CR - CRUISE CONTROL	Stand Alone
SK - METRIC SPEEDOMETER / ODOMETER	Package
<b>Tires and Wheels</b>	
AT - ALL TERRAIN TIRE TREAD	N/A
PLAB - TIRE PRESSURE MONITORING SYSTEM	N/A
TD - DELETE SPARE TIRE ASSEMBLY	Stand Alone
TT - ALL TERRAIN TREAD--REAR TIRES ONLY	N/A
WLP - WHEELS, PAINTED CAB COLOR	Stand Alone
<b>Vendor Furnished Body Items</b>	
AHV - AUXILIARY CARGO COMPARTMENT HEATER	Stand Alone
CBI1 - Increased Cargo Body Interior Height 1	Package
CBI2 - Increased Cargo Body Interior Height 2	Package
BR - TRANSLUCENT ROOF	Stand Alone
BRT - INTERIOR ROPE TIES	Package
CMS - CROSSVIEW MIRROR SYSTEM	Package
CRT - CARGO RESTRAINING TRACK	Package
DPA - INTERIOR PARTITION, SCREEN TYPE	Package
DPW - PARTITION DOOR WINDOW	Package
DV4 - CARGO BODY LENGTH 14 FT	Package
DV6 - CARGO BODY LENGTH 16 FT	Package
DVC - ROLL-UP REAR DOOR	Package
DVD - FULL WIDTH DUAL REAR DOORS	Package
DVF - WOOD FLOORING	Package
HTGR - RAIL TYPE LIFT GATE	Package
ILF - INTERIOR LINING	Package
IR4 - INSULATION, CARGO BODY	Package
J560 - SEVEN CONDUCTOR ELECTRICAL CONNECTOR	Package
MRS - LED TYPE WARNING LIGHT (Amber)	Package

RCA - CARGO RAILS	Package
RH3V - DRAW BAR RECEIVER CLASS III	Package
RH4V - DRAW BAR RECEIVER CLASS IV	Package
VRS - ROOF VENTILATION, STATIC	Stand Alone
<b>Delivery</b>	
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone
<b>Delivery outside CONUS</b>	
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	N/A
DDRH - DEALER DELIVERY HAWAII	N/A
DDRP - DEALER DELIVERY PUERTO RICO	N/A
<b>Export Delivery</b>	
1611 - OEM EXPORT DOCUMENT FEE	Stand Alone
<b>Miscellaneous</b>	
MIL - DATA PLATE AND DD250	Stand Alone
PSM - PARTS AND SERVICE MANUALS	N/A
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone
NMY - NEXT MODEL YEAR VEHICLE	N/A

19. Ordering Data for Pickup Std Size Crew cap 4X2

Result for FAS Vehicle Standards Information Fiscal Year 2018

Minimum/Optional Equipment for 50 - 4X2 PICKUP, FULL SIZE, CREW CAB, MIN 6000 LBS GVWR

A full size pickup with a crew cab shall be provided. The vehicle shall be equipped with the specified length flush style, double walled construction metal bed with stake pockets and tailgate with stays. The flush side pickup body shall have the bed sides even with the cab doors (except dual wheel vehicles, where extension fenders may be employed). The bed shall provide a minimum of 122 cm (48 in) of unobstructed floor space between the wheel housings. The cab shall have four (4) doors, each with a window. A rear seating arrangement in the cab for three (3) passengers shall be provided.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

Minimum Requirements

GSA Components	GSA Min Req	FCA US LLC 1500	GM C1500	FORD F150
<b>Body/Chassis</b>				
XLT - TRIM LEVEL		TRADESMAN	1WT	XL
MFMC - MFG. MODEL CODE		DS1L98	CC15543	W1C
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	6000 / 6900	6800	7100	6280
BED - PICKUP BED, LOAD LENGTH min. ft.	5.5	5.7	5.9	5.5
BODY - BODY STYLE	Smooth Side	Comply	comply	Comply
<b>Engine Minimums</b>				
ET - ENGINE TYPE - Cylinders / Liters		6/3.6	6/4.3L Dir. Inj. EcoTec 3	3.3L V6 PFDI
HP - HORSEPOWER		305	285	000
TORQ - TORQUE (lb ft)		269	305	000
<b>Engine Accessories</b>				
OLS - OIL LIFE SYSTEM		Comply	comply	Comply
<b>Transmission</b>				
T2 - AUTOMATIC TRANSMISSION		8 SPEED	6 speed	6 Speed
<b>Drive Axle</b>				
ATC - AUTOMATIC TRACTION CONTROL		COMPLY	comply	Comply
AXLE - PRIMARY DRIVE AXLE	REAR	Rear	rear	Comply
DIF - DIFFERENTIAL TYPE/RATIO		3.21	3.23	3.73 Non Limited
<b>Electrical</b>				
ALT - ALTERNATOR, MIN. (Amps)		160	150	200
<b>Fuel</b>				
FUEL - FUEL TYPE		E85 Flex-Fuel	E85 Flex-Fuel	E85 Flex-Fuel
FC - FUEL CAPACITY MIN US GALLONS		26	26	26
<b>Doors and Windows</b>				
DTG - DARK TINTED GLASS		Comply	comply	comply
DOOR - DOORS	4	4	4	4
WN - WIPERS-WINDSHIELD-INTERMITTENT		Comply	comply	Comply
PWL - POWER WINDOWS & DOOR LOCKS		front and rear	front and rear	front and rear
<b>Lights and Lighting</b>				
DRL - DAYTIME RUNNING LIGHTS		Comply	comply	ON/OFF CONTROLLABLE
<b>Interior</b>				
CRTS - CRUISE CONTROL AND TILT STEERING		Comply	comply	comply
AC - AIR CONDITIONING		Comply	comply	comply
PS - POWER STEERING		Comply	comply	Comply
CU - CLOTH UPHOLSTERY		Comply	comply	Comply
<b>Floor</b>				
FLCV - FLOOR COVERING	Vinyl	COMPLY	COMPLY	COMPLY
<b>Radio</b>				
RAX - AM/FM RADIO with AUXILIARY INPUT		comply	AM/FM stereo w aux inp.	Comply
<b>Seats</b>				
SEAT - SEATING CAPACITY min.	6	6	6	6
SF - SPLIT FRONT BENCH SEAT		40/20/40	40/20/40	40/20/40
<b>Safety</b>				
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL		Comply	comply	COMPLY

CBU - BACKUP CAMERA		comply	comply	COMPLY
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1		Comply	comply	COMPLY
SRS2 - SIDE SUPPLEMENTAL RESTRAINT SYSTEM ROW 2		Comply	comply	COMPLY
BTCP - Blue Tooth compatible hands free phone system		comply	comply	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		Comply	comply	Comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		Comply	comply	Comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		Comply	comply	Comply
<b>Tires and Wheels</b>				
PLAB - TIRE PRESSURE MONITORING SYSTEM		Comply	comply	comply
STA - SPARE TIRE ASSEMBLY		Full Size	comply-full size	Full size
TIRE - TIRES		P265/70R17 A/S	P255/70R17AS	17 AS
<b>Towing</b>				
BPR2 - REAR BUMPER	Step type	Comply	comply	STEP
<b>Warranty</b>				
WARR - OEM COMPREHENSIVE WARRANTY	3 yr/36,000 mile bumper to bumper	3 YR / 36,000 MILES	3 yr/ 36,000 miles	3YR /36,000
WARP - OEM POWERTRAIN WARRANTY		5 YR/100,000 MILES	5 years/100,000 miles	5 yr / 60,000 mile
WARC - OEM CORROSION WARRANTY		5 yr / 100,000 miles	6 years/100,000 miles	5 yr / Unlimited miles
WARA - ROADSIDE ASSISTANCE		5YR/100,000 MILES	5 YR/ 100,000 MILES	5 YR/ 60,000 MILE

## Optional Equipment

GSA Components	FCA US LLC 1500	GM C1500	FORD F150
<b>Body/Chassis</b>			
L6CR - 6 FEET BED LENGTH (NOMINAL)	N/A	Package	Package
WR - INCREASED GVWR	N/A	Package	Package
<b>Engines</b>			
IE1 - Increased Power Engine 1	Package	Package	Package
YD - DIESEL ENGINE	Package	N/A	Package
IE2 - Increased Power Engine 2	N/A	N/A	Package
IE3 - Increased Power Engine 3	N/A	N/A	Package
DE1 - Decreased Power Engine	N/A	N/A	N/A
<b>Alternative Fuel</b>			
E85 - ETHANOL FLEXIBLE FUEL	Standard	Standard	Standard
<b>AFV Prep</b>			
CNGP - CNG/LPG FUEL PREP PACKAGE	N/A	N/A	Package
<b>Engine Accessories</b>			
VDD - VARIABLE DISPLACEMENT ON DEMAND	Package	Standard	N/A
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone	Stand Alone
EHM - ENGINE HOUR METER	Standard	Standard	N/A
<b>Transmission</b>			
T6A - 6-SPEED AUTOMATIC TRANSMISSION	N/A	Standard	Standard
T8A - 8-SPEED AUTOMATIC TRANSMISSION	Standard	N/A	N/A
<b>Rear Axle Differential</b>			
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC	Stand Alone	Stand Alone	Package
<b>Drive Axle</b>			
D7 - TOWING/MOUNTAIN RATIO	Stand Alone	Package	Package
<b>Electrical</b>			
IA1 - Increased Output Alternator 1	N/A	N/A	N/A
IA2 - Increased Output Alternator 2	N/A	N/A	N/A
<b>Fuel</b>			
AF1 - CHASSIS MANUFACTURER'S MAXIMUM AVAILABLE FUEL TANK(S)	Stand Alone	N/A	Package
SFE - FUEL ECONOMY PACKAGE	N/A	N/A	N/A
<b>Exterior</b>			
BL - BEDLINER, OEM PLASTIC DROP-IN	Package	N/A	Package
CBE - CARGO BED EXTENDER	Package	N/A	Package
CMK - CARGO MANAGEMENT KIT	N/A	N/A	N/A
RB - RUNNING BOARDS	Stand Alone	Stand Alone	Stand Alone
RM - EXTRA WIDE MIRRORS	Package	Package	Package
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED	Standard	Package	Package
BLS - BEDLINER, OEM SPRAY-ON	Package	Stand Alone	Package
STG - CARGO BED STEP, REAR	N/A	Standard	Stand Alone
STG2 - CARGO BED STEP, SIDE	N/A	N/A	Package
KEK - KEYLESS ENTRY KEYPAD	N/A	N/A	Package
TCH - HARD TONNEAU COVER	N/A	N/A	N/A
BB - STORAGE BINS, BOTH BED SIDEWALLS	Package	N/A	N/A
TANN - SOFT TONNEAU COVER	N/A	N/A	N/A
<b>Doors and Windows</b>			
RKE - REMOTE KEYLESS ENTRY	Standard	Package	Standard
RKS - REMOTE KEYLESS START	Package	Package	Package
SRG - SLIDING REAR WINDOW	N/A	N/A	Package
RD - REAR WINDOW ELECTRIC DEFROSTER	Stand Alone	Stand Alone	Standard
<b>Lights and Lighting</b>			
FOG - FOG LIGHTS	N/A	Package	Package
<b>Electronics Audio Visual</b>			
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard	Standard	Standard
OS - ON STAR	N/A	Package	N/A

SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A	N/A	Standard
NAV - NAVIGATION SYSTEM	N/A	Package	Package
<b>Interior</b>			
AP - ADJUSTABLE OPERATING PEDALS	N/A	N/A	Package
VU - VINYL UPHOLSTERY, FRONT AND REAR	Package	Package	Package
SK - METRIC SPEEDOMETER / ODOMETER	N/A	Standard	Stand Alone
<b>Floor</b>			
CM - CARPETED FLOOR COVERING	Package	Package	Package
MF - FLOOR MATS	Package	Package	Package
<b>Seats</b>			
RS - RECLINING BUCKET/CAPTAINS CHAIRS	N/A	N/A	Package
RSNC - 2 FR SEATS-NO CENTER CONSOLE-UNFINISHED FLOOR FOR MTG EQUIP	N/A	Package	N/A
<b>Safety</b>			
AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A	N/A	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A	Package	N/A
BSDS - BLIND SPOT DETECTION SYSTEM	N/A	N/A	Package
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A	Package	Package
PAFR - PARKING ASSIST, FRONT AND REAR	Package	Package	Package
SBAS - SEAT BELT ALERT SYSTEM	N/A	N/A	N/A
SRO - OEM REVERSE OBSTACLE SENSOR	Stand Alone	Package	Package
RISB - REAR INFLATABLE SEAT BELT	N/A	N/A	Package
LDW - LANE DEPARTURE WARNING SYSTEM	N/A	Package	Package
FCAS - FORWARD COLLISION ALERT SYSTEM	N/A	Package	Package
<b>Suspension</b>			
4CAS - FOUR CORNER AIR SUSPENSION SYSTEM	N/A	N/A	N/A
<b>Tires and Wheels</b>			
AT - ALL TERRAIN TIRE TREAD	Package	Package	Package
LT - LIGHT TRUCK TIRES	Package	Package	Package
<b>Towing</b>			
CTBP - OEM TRAILER BRAKE CONTROLLER PRE-WIRING	Standard	Package	Package
FTH - FRONT TOW HOOKS	N/A	Stand Alone	N/A
CTB - OEM TRAILER BRAKE CONTROLLER	Stand Alone	Package	Package
<b>Receiver Hitch</b>			
RH4 - OEM DRAW BAR RECEIVER CLASS IV	Stand Alone	Package	Package
<b>Delivery</b>			
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone	Package	Package
<b>Delivery outside CONUS</b>			
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A	N/A	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	Stand Alone	N/A	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	N/A	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Stand Alone	Package	Package
DDRG - DEALER DELIVERY GUAM	Stand Alone	N/A	Package
DDRH - DEALER DELIVERY HAWAII	Stand Alone	Package	Package
DDRP - DEALER DELIVERY PUERTO RICO	N/A	Package	Package
DDVI - DEALER DELIVERY VIRGIN ISLANDS ST CROIX AND ST THOMAS	N/A	N/A	Package
<b>Export Delivery</b>			
1611 - OEM EXPORT DOCUMENT FEE	Stand Alone	Package	Stand Alone
<b>Law Enforcement Options</b>			
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone	Standard	Standard
<b>Miscellaneous</b>			
MIL - DATA PLATE AND DD250	N/A	N/A	Stand Alone
PSM - PARTS AND SERVICE MANUALS	N/A	Stand Alone	N/A

PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A	Stand Alone	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	Stand Alone
NMY - NEXT MODEL YEAR VEHICLE	N/A	N/A	N/A

## 20. Ordering Data for Pickup Std size crew cap 4X4

### Result for FAS Vehicle Standards Information Fiscal Year 2018

#### Minimum/Optional Equipment for 57 - 4X4 PICKUP, FULL SIZE, CREW CAB, MIN 9201 LBS GVWR

A full size pickup with a crew cab shall be provided. The vehicle shall be equipped with the specified length flush style, double walled construction metal bed with stake pockets and tailgate with stays. The flush side pickup body shall have the bed sides even with the cab doors (except dual wheel vehicles, where extension fenders may be employed). The bed shall provide a minimum of 122 cm (48 in) of unobstructed floor space between the wheel housings. The cab shall have four (4) doors each with a window. A rear seating arrangement in the cab for three (3) passengers shall be provided.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

Minimum Requirements					
GSA Components	GSA Min Req	FCA US LLC 2500	FORD F250	GM K2500HD	Hendrick Dynamics TITAN
<b>Body/Chassis</b>					
XLT - TRIM LEVEL		Tradesman	XL	1WT	S
MFMC - MFG. MODEL CODE		DJ7L92	W2B	CK25943	
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	8800 / 10000	9000	10000	9900	8990
BED - PICKUP BED, LOAD LENGTH min. ft.	8	8	8ft/176	8	8
BODY - BODY STYLE	Smooth Side	COMPLY	comply	COMPLY	Smooth Side
<b>Engine Minimums</b>					
ET - ENGINE TYPE - Cylinders / Liters		8/5.7	8/6.2	8/6.0	8/5.0
HP - HORSEPOWER		383	385	360	310
TORQ - TORQUE (lb ft)		400	430	380	555
<b>Engine Accessories</b>					
OLS - OIL LIFE SYSTEM		Comply	comply	comply	Comply
EHM - ENGINE HOUR METER		COMPLY	comply	COMPLY	Comply
<b>Transmission</b>					
T2 - AUTOMATIC TRANSMISSION		6-SPEED	6-speed	6 SPEED	6 Speed
TRC - TRANSFER CASE		2-SPEED	2-speed	2 SPEED	2 Speed
<b>Rear Axle Differential</b>					
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC		COMPLY	3.73 EL	COMPLY	Comply
<b>Drive Axle</b>					
ATC - AUTOMATIC TRACTION CONTROL		COMPLY	comply	COMPLY	Comply
AXLE - PRIMARY DRIVE AXLE	REAR	REAR	rear	REAR	Rear
DIF - DIFFERENTIAL TYPE/RATIO		3.73	3.73 EL	4.10	3.9
<b>Electrical</b>					
ALT - ALTERNATOR, MIN. (Amps)		160	157	150	200
<b>Fuel</b>					
FUEL - FUEL TYPE		Gasoline Dedicated	E85 Flex-Fuel	E85 Flex-Fuel	Diesel Dedicated
FC - FUEL CAPACITY MIN US GALLONS		32	48	36	26
<b>Exterior</b>					
SP - SKID PLATES		COMPLY	comply	COMPLY	Comply
<b>Doors and Windows</b>					
DOOR - DOORS	4	4	4	4	4



PWL - POWER WINDOWS & DOOR LOCKS		front and rear	front and rear	front and rear	front and rear
<b>Lights and Lighting</b>					
DRL - DAYTIME RUNNING LIGHTS		COMPLY	comply	COMPLY	Comply
<b>Interior</b>					
CRTS - CRUISE CONTROL AND TILT STEERING		COMPLY	comply	COMPLY	Comply
AC - AIR CONDITIONING		COMPLY	comply	COMPLY	Comply
PS - POWER STEERING		COMPLY	comply	COMPLY	Comply
CU - CLOTH UPHOLSTERY		COMPLY	comply	COMPLY	Comply
<b>Floor</b>					
FLCV - FLOOR COVERING	Vinyl	COMPLY	COMPLY	COMPLY	Vinly
<b>Radio</b>					
RAX - AM/FM RADIO with AUXILIARY INPUT		comply	comply	AM/FM stereo w aux inp.	Comply
<b>Seats</b>					
SEAT - SEATING CAPACITY min.	6	6	6	6	6
SF - SPLIT FRONT BENCH SEAT		40/20/40	40/20/40	40/20/40	40/20/40
<b>Safety</b>					
CBU - BACKUP CAMERA		comply	comply	comply	Comply
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1		Comply	comply	comply	Comply
SRS2 - SIDE SUPPLEMENTAL RESTRAINT SYSTEM ROW 2		Comply	comply	comply	Comply
BTCP - Blue Tooth compatible hands free phone system		comply	comply	comply	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		COMPLY	comply	COMPLY	Comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		COMPLY	comply	COMPLY	Comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		COMPLY	comply	COMPLY	Comply
<b>Tires and Wheels</b>					
PLAB - TIRE PRESSURE MONITORING SYSTEM		COMPLY	comply	COMPLY	Comply
STA - SPARE TIRE ASSEMBLY		FULL SIZE	full size	COMPLY- FULL SIZE	Full Size
HUBS - FRONT WHEEL LOCKING HUBS		automatic	automatic	automatic	automatic
TIRE - TIRES		LT245/70R17E AS	LT245/75Rx17E	LT245/75R17E/AS	LT275/75R17
<b>Towing</b>					
FTH - FRONT TOW HOOKS		COMPLY	comply	COMPLY	Comply
BPR2 - REAR BUMPER	Step type	COMPLY	comply	COMPLY	Comply
<b>Warranty</b>					
WARR - OEM COMPREHENSIVE WARRANTY	3 yr/36,000 mile bumper to bumper	3 YR / 36,000 MILES	3yr/36,000 Miles	3 YR/ 36,000 MILES	3yr/100,000 miles
WARP - OEM POWERTRAIN WARRANTY		5 YR/100,000 MILES	5 yr/60,000 Miles	5 YR/ 100,000 MILES	5yr/100,000 miles
WARC - OEM CORROSION WARRANTY		5 yr / 100,000 miles	5 yr/Unlimited Miles	6 YR/ 100,000 MILES	6yr/100,000 miles
WARA - ROADSIDE ASSISTANCE		5YR/100,000 MILES	5 yr/60,000 Miles	5 YR/ 100,000 MILES	5yr/100,000 miles

## Optional Equipment

GSA Components	FCA US LLC 2500	FORD F250	GM K2500HD	Hendrick Dynamics TITAN
<b>Body/Chassis</b>				
L6 - SHORT BED PICKUP BODY	Package	Stand Alone	Stand Alone	N/A
WR - INCREASED GVWR	N/A	N/A	Package	N/A
<b>Engines</b>				
IE1 - Increased Power Engine 1	Package	N/A	N/A	Package
YD - DIESEL ENGINE	Package	Package	Package	Standard
IE2 - Increased Power Engine 2	N/A	N/A	N/A	N/A
DE1 - Decreased Power Engine	N/A	N/A	N/A	N/A
<b>Alternative Fuel</b>				
CNG2 - DUAL FUEL - CNG AND GASOLINE	Package	N/A	N/A	N/A
E85 - ETHANOL FLEXIBLE FUEL	N/A	Standard	Standard	N/A
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Package	Package	Package	Standard
<b>AFV Prep</b>				
CNGP - CNG/LPG FUEL PREP PACKAGE	N/A	Package	N/A	N/A
<b>Engine Accessories</b>				
TES - ENGINE SHUT DOWN TIMER	N/A	Stand Alone	N/A	N/A
FFP - COOLANT HEATER-FUEL FIRED	N/A	N/A	N/A	N/A
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone	Stand Alone	Standard
<b>Transmission</b>				
TCES - ELECTRONIC SHIFT TRANSFER CASE, DASH MOUNTED CONTROL	Stand Alone	Standard	Stand Alone	N/A
<b>Transmission Accessories</b>				
PT - POWER TAKE OFF OPENING	N/A	Package	Package	N/A
<b>Drive Axle</b>				
D7 - TOWING/MOUNTAIN RATIO	Package	Package	Standard	Package
<b>Electrical</b>				
DALT - DUAL ALTERNATORS, OEM	Package	Package	Package	N/A
SU4 - OEM Upfitter Switches, 4	N/A	Stand Alone	Package	N/A
IA1 - Increased Output Alternator 1	Package	Package	Package	N/A
IA2 - Increased Output Alternator 2	Package	N/A	N/A	N/A
115V - AC POWER OUTLET				
<b>Exterior</b>				
BL - BEDLINER, OEM PLASTIC DROP-IN	Package	Package	N/A	N/A
CBE - CARGO BED EXTENDER	Package	Package	N/A	Stand Alone
RB - RUNNING BOARDS	Stand Alone	Stand Alone	N/A	N/A
SZ - SNOW PLOW PREP PACKAGE	Package	Stand Alone	Package	N/A
RM - EXTRA WIDE MIRRORS	Stand Alone	Standard	Stand Alone	N/A

RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED	Standard	Standard	Package	Standard
BLS - BEDLINER, OEM SPRAY-ON	Package	Package	Package	Stand Alone
STG - CARGO BED STEP, REAR	N/A	Stand Alone	Standard	Stand Alone
STG2 - CARGO BED STEP, SIDE	N/A	N/A	N/A	N/A
BB - STORAGE BINS, BOTH BED SIDEWALLS	Package	N/A	N/A	N/A
TANN - SOFT TONNEAU COVER	N/A	N/A	N/A	N/A
<b>Doors and Windows</b>				
DTG - DARK TINTED GLASS	Standard	Package	Stand Alone	Package
RKE - REMOTE KEYLESS ENTRY	Standard	Standard	Package	Stand Alone
RKS - REMOTE KEYLESS START	N/A	Stand Alone	Package	Package
SRG - SLIDING REAR WINDOW	N/A	Package	Package	N/A
RD - REAR WINDOW ELECTRIC DEFROSTER	Stand Alone	Package	Stand Alone	Standard
<b>Electronics Audio Visual</b>				
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard	Standard	Standard	Standard
OS - ON STAR	N/A	N/A	Package	N/A
SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A	Standard	N/A	N/A
NAV - NAVIGATION SYSTEM	N/A	Package	Package	Package
<b>Interior</b>				
AH - AUXILIARY HEATER	N/A	Package	N/A	N/A
AP - ADJUSTABLE OPERATING PEDALS	N/A	Package	Package	N/A
VU - VINYL UPHOLSTERY, FRONT AND REAR	Package	Package	Package	Package
SK - METRIC SPEEDOMETER / ODOMETER	N/A	Stand Alone	Standard	N/A
<b>Floor</b>				
CM - CARPETED FLOOR COVERING	Package	Package	Package	Package
MF - FLOOR MATS	Package	Package	Package	Standard
<b>Seats</b>				
RS - RECLINING BUCKET/CAPTAINS CHAIRS	N/A	Package	Package	Standard
RSNC - 2 FR SEATS-NO CENTER CONSOLE-UNFINISHED FLOOR FOR MTG EQUIP	N/A	N/A	Package	N/A
<b>Safety</b>				
AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A	N/A	N/A	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A	N/A	N/A	N/A
BUA - BACK-UP ALARM	N/A	Stand Alone	Stand Alone	Standard
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A	N/A	N/A	N/A
PAFR - PARKING ASSIST, FRONT AND REAR	Package	N/A	Package	Package
SBAS - SEAT BELT ALERT SYSTEM	N/A	N/A	N/A	N/A
SRO - OEM REVERSE OBSTACLE SENSOR	Stand Alone	Stand Alone	Package	Standard
LDW - LANE DEPARTURE WARNING SYSTEM	N/A	N/A	Package	Package
FCAS - FORWARD COLLISION ALERT SYSTEM	N/A	N/A	Package	Package

<b>Suspension</b>				
ORSP - OFF ROAD SUSPENSION PACKAGE	N/A	Package	Package	Package
<b>Tires and Wheels</b>				
AT - ALL TERRAIN TIRE TREAD	Stand Alone	Package	Stand Alone	N/A
<b>Towing</b>				
CTB - OEM TRAILER BRAKE CONTROLLER	Stand Alone	Stand Alone	Package	Package
<b>Receiver Hitch</b>				
RH4 - OEM DRAW BAR RECEIVER CLASS IV	Standard	Standard	Stand Alone	Package
<b>Delivery</b>				
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone	Package	Package	Stand Alone
<b>Delivery outside CONUS</b>				
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A	N/A	N/A	
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A	N/A	
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	Stand Alone	N/A	N/A	
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	N/A	N/A	
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Stand Alone	Stand Alone	Package	
DDRG - DEALER DELIVERY GUAM	Stand Alone	Stand Alone	N/A	
DDRH - DEALER DELIVERY HAWAII	Stand Alone	Stand Alone	Package	
DDRP - DEALER DELIVERY PUERTO RICO	N/A	Stand Alone	Package	
DDVI - DEALER DELIVERY VIRGIN ISLANDS ST CROIX AND ST THOMAS	N/A	Stand Alone	N/A	
<b>Export Delivery</b>				
1611 - OEM EXPORT DOCUMENT FEE	Stand Alone	Stand Alone	Package	
<b>Law Enforcement Options</b>				
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone	N/A	Standard	
LU66 - NOAA PATROL PU UPFIT 2	Package	Package	N/A	
<b>Miscellaneous</b>				
MIL - DATA PLATE AND DD250	N/A	Stand Alone	N/A	
PSM - PARTS AND SERVICE MANUALS	N/A	N/A	Stand Alone	
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A	N/A	Stand Alone	
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	Stand Alone	
NMY - NEXT MODEL YEAR VEHICLE	N/A	N/A	N/A	

21. Ordering data for Van Cargo medium Size

Result for FAS Vehicle Standards Information Fiscal Year 2018

Minimum/Optional Equipment for 34 - 4X2 CARGO VAN, FULL SIZE, MIN 9,201 LBS GVWR

Standard Item 34 shall be for a full-size cargo van meeting the GSA minimum requirements specified herein. The van shall be provided with either 60/40 hinged side cargo doors or a sliding door, on the right side of the vehicle. Rear doors shall be of the cargo door type. Solid side panels shall be provided on the right and left side of the van (no side glass windows behind first row seating). Windows shall be provided in the rear cargo doors. The driver's and front passenger seat shall be of the bucket seat configuration type. Bucket seats shall be adjustable fore and aft and have a reclining back. The driver's compartment shall be provided with cloth upholstery and a vinyl or rubber type floor covering. Wall and trim panels are not required in the cargo compartment. Additional standard equipment, features, and warranties are as listed below under GSA minimum requirements. Various chassis, body, and equipment options are available. When option(s) are selected, GSA minimum requirements may vary.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

Minimum Requirements					
GSA Components	GSA Min Req	GM CG3300	FCA US LLC PROMST3500	AMERICAN TRUCK & BUS, INC SPRINTER	FORD TRANSIT350
<b>Body/Chassis</b>					
XLT - TRIM LEVEL		1WT	BASE	Commercial	101A
MFMC - MFG. MODEL CODE		CG33705	VF3L16	F3CA44	W2Z
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	9201 / 10000	9600	9350	9,990	9500
WB - WHEELBASE	144	155	159	144	148
BDSZ - BODY SIZE, OVERALL LENGTH min./max. in.	232/244	244	236	233	237.6
<b>Engine Minimums</b>					
ET - ENGINE TYPE - Cylinders / Liters		8/6.0	6/3.6	4cyl./2.1L TurboDiesel	6/3.7LTI-VCT
HP - HORSEPOWER		342	280	161	275
TORQ - TORQUE (lb ft)		373	258	265	260
<b>Transmission</b>					
T2 - AUTOMATIC TRANSMISSION		6 Speed	6 SPEED	7 speed auto	6-Speed
<b>Drive Axle</b>					
AXLE - PRIMARY DRIVE AXLE		Rear	FRONT WHEEL DRIVE	rear	Rear
DIF - DIFFERENTIAL TYPE/RATIO		3.42	3.86	4.18 std	3.73 Regular
<b>Fuel</b>					
FUEL - FUEL TYPE		E85 Flex-Fuel	Gasoline Dedicated	Diesel Dedicated	Gasoline Dedicated
FC - FUEL CAPACITY MIN US GALLONS		31	24	24.5	25
<b>Doors and Windows</b>					
WIND - WINDOWS	SOLID PANELS ALL SIDES, GLASS IN REAR DOORS	comply	COMPLY	Comply	Comply
WN - WIPERS-WINDSHIELD-INTERMITTENT		comply	COMPLY	Comply	Comply
RRDR - REAR DOOR TYPE	CARGO DOORS WITH GLASS WINDOWS	Dual Vertical Cargo	COMPLY	Comply	50/50 HINGED
SDDR - SIDE DOOR TYPE		swing out	SLIDING	Sliding	60/40 HINGED
PWL - POWER WINDOWS & DOOR LOCKS		front only	front only	front only	front only
<b>Lights and Lighting</b>					
DRL - DAYTIME RUNNING LIGHTS		comply	COMPLY	Comply	Comply
<b>Interior</b>					

CRTS - CRUISE CONTROL AND TILT STEERING		comply	CRUISE ONLY/TILT NA	Comply	Comply
VBI - VAN BODY INTERIOR HEIGHT		52.9"	76	65"	56.9
AC - AIR CONDITIONING		comply	COMPLY	Comply	Front
PS - POWER STEERING		comply	COMPLY	Comply	Comply
UPH - UPHOLSTERY	CLOTH	comply	COMPLY	Comply	Comply
<b>Floor</b>					
FLCV - FLOOR COVERING	VINYL	COMPLY	COMPLY	Comply	Comply
<b>Radio</b>					
RAX - AM/FM RADIO with AUXILIARY INPUT		AM/FM w CD & Aux inp.	comply	Comply w/ Aux In, Bluetooth, USB and SD Card Slot	Comply
<b>Seats</b>					
SEAT - SEATING CAPACITY min.	2	2	2	2	2
STS - FIRST ROW SEAT TYPE	2 - INDIVIDUAL	Bucket	BUCKET	Bucket	2 Buckets
<b>Safety</b>					
CBU - BACKUP CAMERA		Comply	comply		Comply
BTCP - Blue Tooth compatible hands free phone system		Comply	comply	w/ Aux In, Bluetooth, USB and SD Card Slot	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		comply	COMPLY	Comply	Comply
RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		comply	COMPLY	Comply	Comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		comply	COMPLY	Comply	Comply
<b>Tires and Wheels</b>					
PLAB - TIRE PRESSURE MONITORING SYSTEM		comply	COMPLY	Comply	Comply
STA - SPARE TIRE ASSEMBLY		comply - full size	FULL SIZE	Comply full size	Full Size
TIRE - TIRES		LT245/75R16/AS	LT225/75R16E AS	LT215/75R16	16" AS
<b>Towing</b>					
BPR2 - REAR BUMPER		comply, no towing	COMPLY	Comply	Integral Step
<b>Warranty</b>					
WARR - OEM COMPREHENSIVE WARRANTY	3 YEAR/36,000 MILE BUMPER-TO-BUMPER	comply	3 YR / 36,000 MILES	Comply	3YR / 36,000 MILE
WARP - OEM POWERTRAIN WARRANTY		5 years/100,000 miles	5YR/100,000 MILES	3yr/36,000-5yr/100k engine	5YR / 60,000 MILE
WARC - OEM CORROSION WARRANTY		6 years/100,000 miles	5YR/100,000 MILES	5yr/100,000	5YR/ UMLIMITED
WARA - ROADSIDE ASSISTANCE		5 years/100,000 miles	5YR/100,000 MILES	Available	5YR / 60,000 MILE

## Optional Equipment

GSA Components	GM CG3300	FCA US LLC PROMST3500	AMERICAN TRUCK & BUS, INC SPRINTER	FORD TRANSIT350
<b>Body/Chassis</b>				
GU - GVWR REDUCTION	N/A	N/A	Package	N/A
RBL - OEM REDUCED BODY LENGTH	Package	N/A	N/A	N/A
WR - INCREASED GVWR	N/A	N/A	Package	Package
XL - EXTRA LONG BODY	Package	Stand Alone	Package	Package
<b>Engines</b>				
IE1 - Increased Power Engine 1	N/A	N/A	Package	Package
YD - DIESEL ENGINE	Package	Package	Standard	N/A
IE2 - Increased Power Engine 2	N/A	N/A	Package	N/A
DE1 - Decreased Power Engine	Package	N/A	N/A	N/A
<b>Alternative Fuel</b>				
E85 - ETHANOL FLEXIBLE FUEL	Package	N/A	N/A	Package
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE	Package	N/A	N/A	N/A
<b>AFV Prep</b>				
CNGP - CNG/LPG FUEL PREP PACKAGE	N/A	N/A	N/A	Package
<b>Engine Accessories</b>				
OLS - OIL LIFE SYSTEM	Standard	Standard	Standard	Standard
TES - ENGINE SHUT DOWN TIMER	N/A	N/A	N/A	N/A
FFP - COOLANT HEATER-FUEL FIRED	Package	N/A	Stand Alone	N/A
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone	N/A	Stand Alone
<b>Transmission Accessories</b>				
PT - POWER TAKE OFF OPENING	N/A	N/A	N/A	N/A
<b>Rear Axle Differential</b>				
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC	Stand Alone	N/A	Standard	N/A
<b>Drive Axle</b>				
4X4 - 4 WHEEL DRIVE	N/A	N/A	Package	N/A
ATC - AUTOMATIC TRACTION CONTROL	Standard	Standard	Standard	Standard
AWD - OEM ALL WHEEL DRIVE	N/A	N/A	N/A	N/A
D7 - TOWING/MOUNTAIN RATIO	Standard	N/A	Standard	Package
<b>Electrical</b>				
BAT2 - Dual Batteries	Package	N/A	Stand Alone	Package
DALT - DUAL ALTERNATORS, OEM	N/A	N/A	N/A	Package
IA1 - Increased Output Alternator 1	N/A	Stand Alone	Standard	N/A
IA2 - Increased Output Alternator 2	N/A	N/A	N/A	N/A
<b>Fuel</b>				
AUFP - AUXILIARY FUEL PORT	N/A	N/A	N/A	Standard

<b>Exterior</b>				
RB - RUNNING BOARDS	N/A	N/A	N/A	Package
RM - EXTRA WIDE MIRRORS	N/A	N/A	N/A	N/A
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED	Package	Stand Alone	Package	Package
LR - LUGGAGE ROOF RACK OR ROOF RAILS	N/A	N/A	Stand Alone	N/A
<b>Exterior Paint</b>				
595F - PAINT (FOREST SERVICE GREEN)	N/A	N/A	N/A	N/A
CPT - PAINT-CUSTOM COLOR	N/A	N/A	Stand Alone	Package
<b>Doors and Windows</b>				
DRG - DELETE REAR DOOR WINDOW GLASS	Package	Package	Package	Package
DTG - DARK TINTED GLASS	Package	N/A	Package	Package
LD - LEFT DOOR	N/A	Stand Alone	Package	Package
RKE - REMOTE KEYLESS ENTRY	Package	Standard	Standard	Standard
RKS - REMOTE KEYLESS START	Package	N/A	N/A	Package
SE - SIDE DOOR, SLIDING TYPE, VAN	Package	Standard	Standard	Package
WY - WINDOWS, ALL SIDES	Package	N/A	Package	Package
WDL - LEFT SIDE CARGO DOOR WINDOW	N/A	Stand Alone	Stand Alone	Package
WDR - RIGHT SIDE CARGO DOOR WINDOW	Package	Stand Alone	Stand Alone	Package
RD - REAR WINDOW ELECTRIC DEFROSTER	Package	Package	Package	Package
<b>Electronics Audio Visual</b>				
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard	Standard	Standard	Standard
OS - ON STAR	Package	N/A	N/A	N/A
SYNC - SYNC VOICE ACTIVATED COMMUNICATION SYSTEM	N/A	N/A	N/A	Standard
NAV - NAVIGATION SYSTEM	Package	Package	Stand Alone	Package
<b>Interior</b>				
AC2 - AUX. REAR AIR CONDITIONING	Package	N/A	Package	Package
AH - AUXILIARY HEATER	Package	N/A	Package	Package
BH - INTERIOR BULKHEAD	N/A	Stand Alone	Package	N/A
VU - VINYL UPHOLSTERY, FRONT AND REAR	Package	Stand Alone	Stand Alone	Package
VB11 - INCREASED VAN BODY INTERIOR HEIGHT 1	N/A	N/A	Package	Package
VB12 - INCREASED VAN BODY INTERIOR HEIGHT 2	N/A	N/A	Package	Package
SK - METRIC SPEEDOMETER / ODOMETER	N/A	N/A	Package	Stand Alone
<b>Seats</b>				
PWD - POWERED DRIVER'S SEAT	Package	N/A	N/A	Package
<b>Seating</b>				
S3E - 3 PASSENGER SEATING	N/A	N/A	Package	N/A
S5 - 5 PASSENGER SEATING	N/A	N/A	Package	N/A
S5BH - 5 PASSENGER SEATING WITH BULKHEAD	N/A	N/A	N/A	N/A
<b>Safety</b>				



AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A	N/A	N/A	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A	N/A	N/A	N/A
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL	Standard	Standard	Standard	Standard
BUA - BACK-UP ALARM	Package	N/A	Package	Package
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A	N/A	N/A	N/A
SBAS - SEAT BELT ALERT SYSTEM	N/A	N/A	Standard	N/A
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1	Standard	Standard	Standard	Standard
SRO - OEM REVERSE OBSTACLE SENSOR	Package	Stand Alone	Package	Package
<b>Tires and Wheels</b>				
AT - ALL TERRAIN TIRE TREAD	N/A	N/A	Stand Alone	N/A
<b>Towing</b>				
CTB - OEM TRAILER BRAKE CONTROLLER	N/A	N/A	N/A	Package
<b>Receiver Hitch</b>				
RH3 - OEM DRAW BAR RECEIVER CLASS III	N/A	N/A	Stand Alone	Package
RH4 - OEM DRAW BAR RECEIVER CLASS IV	Stand Alone	Stand Alone	N/A	Package
<b>Delivery</b>				
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Package	Stand Alone	Stand Alone	Package
<b>Delivery outside CONUS</b>				
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A	N/A	N/A	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A	N/A	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	N/A	Stand Alone	N/A	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	N/A	N/A	N/A
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Package	Stand Alone	Stand Alone	Package
DDRG - DEALER DELIVERY GUAM	N/A	Stand Alone	N/A	Package
DDRH - DEALER DELIVERY HAWAII	Package	Stand Alone	Stand Alone	Package
DDRP - DEALER DELIVERY PUERTO RICO	Package	N/A	N/A	Package
DDVI - DEALER DELIVERY VIRGIN ISLANDS ST CROIX AND ST THOMAS	N/A	N/A	N/A	Package
<b>Export Delivery</b>				
1611 - OEM EXPORT DOCUMENT FEE	Package	N/A	Stand Alone	Stand Alone
<b>Law Enforcement Options</b>				
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone	Stand Alone	Stand Alone	Stand Alone
<b>Miscellaneous</b>				
MIL - DATA PLATE AND DD250	N/A	N/A	Stand Alone	Stand Alone
PSM - PARTS AND SERVICE MANUALS	Stand Alone	N/A	Stand Alone	N/A
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	Stand Alone	N/A	N/A	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Stand Alone	N/A	Stand Alone
NMY - NEXT MODEL YEAR VEHICLE	N/A	N/A	N/A	N/A

## 22. Ordering Data for Van Panel Small Size 4X2

### Result for FAS Vehicle Standards Information Fiscal Year 2018

#### Minimum/Optional Equipment for 31 - 4X2 CARGO VAN, FULL SIZE, MIN 6,001 LBS GVWR

Standard Item 31 shall be for a full-size cargo van meeting the GSA minimum requirements specified herein. The van shall be provided with either 60/40 hinged side cargo doors or a sliding door, on the right side of the vehicle. Rear doors shall be of the cargo door type. Solid side panels shall be provided on the right and left side of the van (no side glass windows behind first row seating). Windows shall be provided in the rear cargo doors. The driver's and front passenger seat shall be of the bucket seat configuration type. Bucket seats shall be adjustable fore and aft and have a reclining back. The driver's compartment shall be provided with cloth upholstery and a vinyl or rubber type floor covering. Wall and trim panels are not required in the cargo compartment. Additional standard equipment, features, and warranties are as listed below under GSA minimum requirements. Various chassis, body, and equipment options are available. When option(s) are selected, GSA minimum requirements may vary.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

#### Minimum Requirements

GSA Components	GSA Min Req	FCA US LLC PROMST1500	FORD TRANSIT150
<b>Body/Chassis</b>			
XLT - TRIM LEVEL		Base	101A
MFMC - MFG. MODEL CODE		VF1L12	E1Z
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	6100 / 8600	8550	8600
WB - WHEELBASE	130	136	130
BDSZ - BODY SIZE, OVERALL LENGTH min./max. in.	211 / 224	213	219..9
<b>Engine Minimums</b>			
ET - ENGINE TYPE - Cylinders / Liters		6 / 3.6	6/ 3.7L Ti VCT
HP - HORSEPOWER		280	275
TORQ - TORQUE (lb ft)		258	260
<b>Engine Accessories</b>			
OLS - OIL LIFE SYSTEM		COMPLY	Comply
<b>Transmission</b>			
T2 - AUTOMATIC TRANSMISSION	4 - SPEED	6 SPEED	6 -Speed
<b>Drive Axle</b>			
AXLE - PRIMARY DRIVE AXLE		FRONT WHEEL DRIVE	Rear
DIF - DIFFERENTIAL TYPE/RATIO		3.86	3.73 Regular
<b>Fuel</b>			
FUEL - FUEL TYPE		Gasoline Dedicated	Gasoline Dedicated
FC - FUEL CAPACITY MIN US GALLONS		24	25
<b>Doors and Windows</b>			
WIND - WINDOWS	SOLID PANELS ALL SIDES, GLASS IN REAR DOORS	COMPLY	Comply
WN - WIPERS-WINDSHIELD-INTERMITTENT		COMPLY	Comply
RRDR - REAR DOOR TYPE	CARGO DOORS WITH GLASS WINDOWS	COMPLY	50/50 HINGED
SDDR - SIDE DOOR TYPE		SLIDING	60/40 HINGED
PWL - POWER WINDOWS & DOOR LOCKS		front only	front only
<b>Lights and Lighting</b>			
DRL - DAYTIME RUNNING LIGHTS		COMPLY	Comply
<b>Interior</b>			
CRTS - CRUISE CONTROL AND TILT STEERING		CRUISE ONLY / TILT N/A	Comply
VBI - VAN BODY INTERIOR HEIGHT		65	56.9
AC - AIR CONDITIONING		COMPLY	Front
PS - POWER STEERING		COMPLY	COMPLY
UPH - UPHOLSTERY	CLOTH	COMPLY	Comply
<b>Floor</b>			
FLCV - FLOOR COVERING	VINYL	COMPLY	Comply
<b>Radio</b>			
RAX - AM/FM RADIO with AUXILIARY INPUT		COMPLY	Comply
<b>Seats</b>			
SEAT - SEATING CAPACITY min.	2	2	2
STS - FIRST ROW SEAT TYPE	2 - INDIVIDUAL	BUCKET	2-Buckets
<b>Safety</b>			
CBU - BACKUP CAMERA		COMPLY	Comply
BTCP - Blue Tooth compatible hands free phone system		COMPLY	Comply
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR		COMPLY	Comply

RES - RESTRAINT SYSTEM, ALL SEATED POSITIONS		COMPLY	Comply
SUP - FRONT SUPPLEMENTAL RESTRAINT SYSTEM DRIVER & FRONT PASSENGER		COMPLY	Comply
<b>Tires and Wheels</b>			
PLAB - TIRE PRESSURE MONITORING SYSTEM		COMPLY	Comply
STA - SPARE TIRE ASSEMBLY		FULL SIZE	Full Size
TIRE - TIRES		225 / 75R16C AS	16" AS
<b>Towing</b>			
BPR2 - REAR BUMPER		COMPLY	Integral Step
<b>Warranty</b>			
WARR - OEM COMPREHENSIVE WARRANTY	3 YEAR/36,000 MILE BUMPER-TO-BUMPER	3 YR /36,000 MILES	3 YR/ 36,000 MILE
WARP - OEM POWERTRAIN WARRANTY		5 YR / 100,000 MILES	5 YR / 60,000 MILE
WARC - OEM CORROSION WARRANTY		5 YR / 100,000 MILES	5 YR UNLIMITED
WARA - ROADSIDE ASSISTANCE		5 YR / 100,000 MILES	5YR /60,000 MILE

## Optional Equipment

GSA Components	FCA US LLC PROMST1500	FORD TRANSIT150
<b>Engines</b>		
IE1 - Increased Power Engine 1	N/A	Package
IE2 - Increased Power Engine 2	N/A	N/A
<b>Alternative Fuel</b>		
E85 - ETHANOL FLEXIBLE FUEL	N/A	Package
<b>AFV Prep</b>		
CNGP - CNG/LPG FUEL PREP PACKAGE	N/A	Package
<b>Engine Accessories</b>		
EH - ENGINE BLOCK HEATER, OEM	Stand Alone	Stand Alone
<b>Rear Axle Differential</b>		
D3 - SPECIAL TRACTION DIFFERENTIAL, AUTOMATIC	N/A	N/A
<b>Drive Axle</b>		
D7 - TOWING/MOUNTAIN RATIO	N/A	Package
<b>Electrical</b>		
IA1 - Increased Output Alternator 1	Stand Alone	Package
IA2 - Increased Output Alternator 2	N/A	N/A
<b>Exterior</b>		
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED	Stand Alone	Package
LR - LUGGAGE ROOF RACK OR ROOF RAILS	N/A	N/A
<b>Exterior Paint</b>		
595F - PAINT (FOREST SERVICE GREEN)	N/A	N/A
<b>Doors and Windows</b>		
DRG - DELETE REAR DOOR WINDOW GLASS	Package	Package
DTG - DARK TINTED GLASS	Standard	Package
LD - LEFT DOOR	Package	Package
RKE - REMOTE KEYLESS ENTRY	Standard	Standard
RKS - REMOTE KEYLESS START	Stand Alone	Package
SE - SIDE DOOR, SLIDING TYPE, VAN	Standard	Package
WD - SIDE CARGO DOOR WINDOWS	Package	Package
WY - WINDOWS, ALL SIDES	Package	Package
RD - REAR WINDOW ELECTRIC DEFROSTER	Package	Package
<b>Electronics Audio Visual</b>		
BTCS - BLUETOOTH COMPATIBLE SYSTEM	Standard	Standard
OS - ON STAR	N/A	N/A
NAV - NAVIGATION SYSTEM	Package	Package
<b>Interior</b>		
AC2 - AUX. REAR AIR CONDITIONING	N/A	Package
AH - AUXILIARY HEATER	N/A	Package
VU - VINYL UPHOLSTERY, FRONT AND REAR	Stand Alone	Package
VB11 - INCREASED VAN BODY INTERIOR HEIGHT 1	Package	Package
VB12 - INCREASED VAN BODY INTERIOR HEIGHT 2	N/A	N/A
SK - METRIC SPEEDOMETER / ODOMETER	N/A	Package
<b>Safety</b>		
AEB - AUTONOMOUS EMERGENCY BRAKING - COMPLETE STOP	N/A	N/A
AEB1 - AUTONOMOUS EMERGENCY BRAKING TO LOW SPEED	N/A	N/A
BUA - BACK-UP ALARM	N/A	Package
LDAS - LANE DEPARTURE WARNING W/ACTIVE STEERING	N/A	N/A
SBAS - SEAT BELT ALERT SYSTEM	N/A	N/A
SIAB - SIDE SUPPLEMENTAL RESTRAINT SYSTEM, ROW1	Standard	Standard
SRO - OEM REVERSE OBSTACLE SENSOR	Stand Alone	Package
<b>Tires and Wheels</b>		
AT - ALL TERRAIN TIRE TREAD	N/A	N/A
<b>Receiver Hitch</b>		
RH3 - OEM DRAW BAR RECEIVER CLASS III	N/A	Package

<b>Delivery</b>		
CNS - CONSIGNEE DELIVERY (NO DEALER PREP)	Stand Alone	Package
<b>Delivery outside CONUS</b>		
CNSA - CONSIGNEE DELIVERY ALASKA (NO DEALER PREP)	N/A	N/A
CNSG - CONSIGNEE DELIVERY GUAM (NO DEALER PREP)	N/A	N/A
CNSH - CONSIGNEE DELIVERY HAWAII (NO DEALER PREP)	Stand Alone	N/A
CNSP - CONSIGNEE DELIVERY PUERTO RICO (NO DEALER PREP)	N/A	Package
DDRA - DEALER DELIVERY ANCHORAGE, FAIRBANKS OR JUNEAU, AK	Stand Alone	Package
DDRH - DEALER DELIVERY HAWAII	Stand Alone	Package
DDRP - DEALER DELIVERY PUERTO RICO	N/A	Package
<b>Export Delivery</b>		
1611 - OEM EXPORT DOCUMENT FEE	N/A	Package
<b>Law Enforcement Options</b>		
DDRL - DEACTIVATE DAYTIME RUNNING LIGHTS	Stand Alone	Package
<b>Miscellaneous</b>		
MIL - DATA PLATE AND DD250	N/A	Package
PSM - PARTS AND SERVICE MANUALS	N/A	N/A
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	N/A	N/A
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Stand Alone	Package
NMY - NEXT MODEL YEAR VEHICLE	N/A	N/A

## 23. Ordering data for Forklift 6K EED

### FORKLIFT, TRUCK, 6,000 POUND CAPACITY Ordering Data NSN 3930004692039 CT

The Contractor shall comply with all requirements of A-A-58068A for a Type I – 6,000 pound capacity Forklift Truck unless specifically deleted or changed below:

#### **Basic specifications and construction (Standard Equipment)**

- Paragraph 2.2.1 Battery – A battery charger compatible with local power of 220 volts, 50Hz, shall be shipped with each forklift.
- Paragraph 2.20 Painting - The final paint color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9-00002
- Paragraph 6.3 Ordering Data - The final paint color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9-00002
- Paragraph 4.3 Conformance inspection – The contractor shall provide a Certificate of Conformance for each forklift

24. Ordering data for Forklift 10 K lbs DED RT

**FORKLIFT, TRUCK, 10,000 POUND CAPACITY**  
**Ordering Data**  
**NSN 3930004889695 CT**

The Contractor shall comply with all requirements of MIL-PRF-83812D for a Type I - 10,000 pound capacity Adverse Terrain Forklift Truck unless specifically deleted or changed below:

- a) Paragraph 3.3.1.2, Tropical rust proofing – not required
- b) Paragraph 3.3.1.4, Finish – The exterior finish color shall be Sherwin Williams paint color Sand Yellow, RAL# 1002, RHS9-00002
- c) Paragraph 3.3.9.7, Instruments – Inclinator is not required
- d) Paragraph 3.3.9.12, Cab – The forklift shall be equipped with (a) cab air conditioning, (b) rear window sunscreen, (c) front sun visor and (d) external rear view mirrors
- e) Paragraph 3.3.9.16, Tires – The manufacturer shall provide a balanced wheel and tire assembly
- f) Paragraph 3.3.9.20, Air Compressor – Not required
- g) Paragraph 3.3.9.22 and subparagraphs, Crew Protection Kit (CPK) – Not required
  - h) Paragraph 3.4 and Subparagraphs, Environmental Conditions - The forklift shall be capable of continuous operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F). Winterization is not required.
- i) Paragraph 3.10.2, Lighting – Rotating beacon light is not required
- j) Paragraph 3.10.4, Alternator – Heavy duty alternator is not required
- k) Paragraph 3.10.7, Electrical accessories wiring – Not required
- l) Paragraph 3.10.8, Radio preparation package – Not required





## 25. Ordering data for Forklift 50 Klbs

### Container Handler Forklift Truck, 50,000 Pound Capacity Ordering Data (CID A-A-59424A)

The Contractor shall comply with all requirements of CID A-A-59424A for a 50,000 pound capacity Container Handler Forklift Truck (CHFLT) unless specifically deleted or changed below:

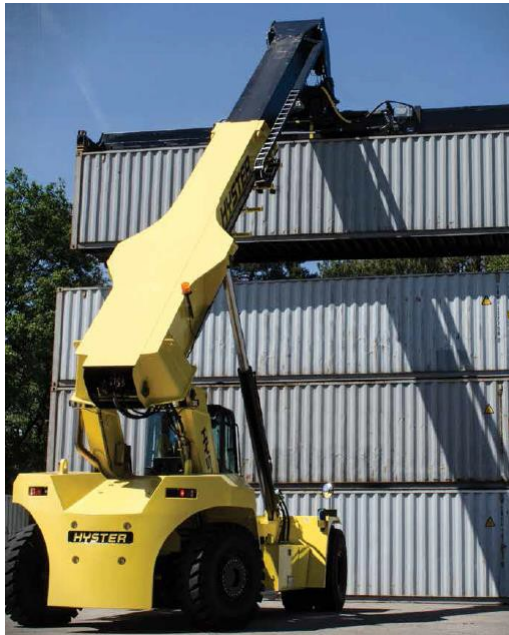
- a) Paragraph 2.2, Operating environment – The forklift shall be capable of continuous operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F). Winterization is not required.
- b) Paragraph 2.28 and Subparagraphs, Winterization – Not required
- c) Paragraph 2.30, Preparation, primer, paint and markings – The finish color shall be Sherwin Williams paint color Sand Yellow, RAL# 1002, RHS9-00002
- d) Paragraph 2.31, Data plate – Replace “US Property” with “RSAF Property”



26. Ordering data for Forklift Container Handler 50 Ton  
Container Handler Forklift Truck, 50 Ton (100,000 lbs)  
Capacity  
Ordering Data  
Master NSN 3930014958475

The Contractor shall comply with all requirements of CID A-A-59792 for a 100,000 pound capacity Container Handler Lift Truck unless specifically deleted or changed below:

- a) Operating environment - The forklift shall be capable of continuous operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F). Winterization is not required.
- b) Paragraph 2.22 and Subparagraphs, Winterization – Not required
- c) Paragraph 2.24, Painting – The finish color shall be Sherwin Williams paint color Sand Yellow, RAL# 1002, RHS9-00002
- d) Rust proofing - Tropical rustproofing is not required
- e) Markings, data plates, and instruction plates – Replace “US Property” with “RSAF Property”



27. Ordering data for Forklift 6K Plus lbsGED/DED

**TRUCK, LIFT, FORK, DIESEL ENGINE DRIVEN, 6,200 POUND  
CAPACITY, AT 24 INCH LOAD CENTER  
NSN 3930010525219**

The Contractor shall comply with all requirements of **MIL-PRF-32181B** for a Type 2 forklift truck unless specifically deleted or changed below:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 3.2 and Subparagraphs, First Article – Not required.
- Paragraph 3.4 Operating Temperature - The forklift shall be capable of continuous operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F). Winterization is not required.
- Paragraph 3.20 and Subparagraphs - No winterization is required.
- Paragraph 3.24 Data Plate – Replace US Property with RSAF Property
- Paragraph 3.25 Painting – The final color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 4.3 and Subparagraphs- Conformance Inspection and testing is not required. The Contractor shall be required to provide a certificate of Conformance.

28. Ordering data for Forklift 4K lbs EED

**TRUCK, LIFT, FORK, ELECTRIC, 4,000 POUND CAPACITY, AT 24 INCH  
LOAD CENTER**

**Master NSN: 3930-00-053-9175**

The Contractor shall comply with all requirements of **CID A-A-59831A** for a sit down, solid tires, 4,000 pound capacity forklift at 24 inch load center, 144 inches minimum lift height unless specifically deleted or changed below:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 2.1.1 Type – Type II
- Paragraph 2.1.2 Class – Class EE
- Paragraph 3.2 Environmental Requirements - Winterization is not required
- Paragraph 3.3 Battery – A battery charger compatible with local power of 220 volts, 50Hz, shall be shipped with each forklift.
- Paragraph 3.6 Forks and Carriage – Standard 48+/- 1inch forks shall be provided
- Paragraph 3.18 Cab - An enclosed cab is not required. ROP and FOPS shall be provided.
- Paragraph 3.21 Painting - The final paint color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 3.22 Identification Plate – Replace US Property with RSAF Property
- Paragraph 5.1 Conformance – The contractor shall provide a Certificate of Conformance for each forklift

29. Ordering data for Forklift 4K lbs or less GED/DED

TRUCK, LIFT, FORK, DIESEL ENGINE DRIVEN, 4,000 POUND CAPACITY, AT  
24 INCH LOAD CENTER  
NSN 3930014330885

The Contractor shall comply with all requirements of CID A-A-58080C unless specifically deleted or changed below:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 2.1.1, Types – Type I, Diesel Fuel
- Paragraph 3.2, Environmental requirements - The forklift shall be capable of continuous operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F). Winterization is not required.
- Paragraph 3.22, Cab – An enclosed cab with FOPS shall be provided
- Paragraph 3.23, Painting – The final color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 3.29, Winterization – Not required
- Paragraph 3.30, Tires – Solid pneumatic tires shall be provided
- Paragraph 5.1, Product Conformance – A certificate of conformance shall be provided for each truck.

30. Ordering data for Forklift 15K lbs Conventional  
TRUCK, LIFT, FORK, DIESEL ENGINE DRIVEN, 15,000 POUNDS  
CAPACITY, AT 24 INCH LOAD CENTER  
NSN 3930010113650

The Contractor shall comply with all requirements of CID A-A-58067B unless specifically deleted or changed below:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 2.2 Environmental Requirements - The forklift shall be capable of continuous operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F). Winterization is not required.
- Paragraph 2.6, Transmission – A transmission oil cooler shall be furnished.
- Paragraph 2.9.b, Forks - Fork dimensions shall be 2.56 inches maximum thickness, 8.06 inch maximum width, and 96 inch (± 0.5 inch) long.
- Paragraph 2.21, Cab – An enclosed cab with overhead protection shall be provided
- Paragraph 2.27, Painting – The final color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 2.32, Identification Plate – Replace US Property with RSAF Property
- Paragraph 2.33, Winterization – Not required
- Paragraph 2.34 Tropical Rust Proofing – Not required
- Paragraph 4.1, Product Conformance - A certificate of conformance shall be provided for each truck.

### 31. Ordering data for Bus 28-30 Passenger

#### Commercial 28-30 Passenger Bus

(Nissan Civilian, Toyota Coaster or equivalent)

#### Ordering Data



#### Features

##### Mechanical:

- Engine – Diesel
- Transmission – 4 speed Automatic or 5-speed Manual
- Anti-lock brakes (ABS)
- Power steering
- Front and Rear Window wipers
- Remote-controlled side mirrors
- Dual halogen headlights
- Capable of continuous operation and storage at any ambient temperature from 0 degrees F to 125 degrees F

##### Capacity:

- Long body configuration
- Seating Capacity – 28-30 passengers

##### Passenger Comfort and Safety:

- Air conditioning with adjustable ceiling mounted vents
- Reclining seats for driver and passengers

- Cloth covered seats
- Seat belts for Driver and passengers
- Insulated UV-block Glass
- AM/FM radio with CD player
- Rear emergency door

Paint color:

- The final color shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002



## 32. Ordering data for Bus 45 passenger

# Result for FAS Vehicle Standards Information Fiscal Year 2017 Minimum/Optional Equipment for 396 - 49 ADULT, HEAVY-DUTY, INTERCITY, COMMUTER COACH

This vehicle shall comply with paragraphs 1 through 6 of Federal Vehicle Standard 833 HEAVY-DUTY INTERCITY MOTORCOACH, Standard Item Number 396.

These buses are designed with large under floor storage compartments and intended to be used for long distance transportation or can be optioned for troop movement.

1. Bright white exterior paint color
2. Remote controlled and heated exterior mirrors
3. Interior walls and ceiling are padded and have a grey cloth or carpet surface to aid in noise reduction.
4. Fluorescent overhead interior lighting
5. Individual high back reclining seats with grey cloth upholstery
6. Medium grey color 2.2 mm thick Altro transit flooring
7. Fixed tinted touring passenger windows
8. Coolant system equipped with constant tension hose clamps and extended life coolant
9. Large under body storage compartments

Note:  
Some of the Options available for this Standard Item will reduce seating capacity.  
Time of Shipment 300 days.

The models identified below are not all-inclusive of those that meet the Federal Standard. Equivalent models that meet the minimum requirements may also be offered.

### Minimum Requirements

GSA Components	GSA Min Req	MOTOR COACH INDUSTRIES D4005
<b>Body/Chassis</b>		
49AD - 49 ADULT PASSENGERS	Some options will reduce seating capacity	YES
BEW - BODY EXTERIOR WIDTH	100 - 102 inches	102 inches
DCC - TURNING DIAMETER CURB TO CURB FEET AND INCHES		41 feet 6 inches
DCW - TURNING DIAMETER WALL TO WALL FEET AND INCHES		44 feet 7 inches
MFMC - MFG. MODEL CODE		D4005
GVWR - GROSS VEHICLE WEIGHT RATING (min/max- lbs)	Rating in standard configuration	46,000LBS
BDSZ - BODY SIZE, OVERALL LENGTH min./max. in.	Min 460in - Max 490in	YES
<b>Engine Minimums</b>		
ET - ENGINE TYPE - Cylinders / Liters	Diesel inline 6 cylinder / min 10.8l	11.9LCummins ISX-allows B20 w/out impact to the engine manufacturer's warranty
HP - HORSEPOWER	Min 410 hp	425hp
TORQ - TORQUE (lb ft)	Min 1150 lb.ft.	1450 lbs
<b>Alternative Fuel</b>		
FB20 - BIO DIESEL (B20) COMPATIBLE ENGINE		YES
<b>Engine Accessories</b>		
EHM - ENGINE HOUR METER		YES
ESD - ENGINE AUTOMATIC SHUTDOWN	5 minute idle shutdown	YES
SEHA - HEATER-ENGINE BLOCK	115 volt - standard	YES
<b>Transmission</b>		
T2 - AUTOMATIC TRANSMISSION	6-speed Allison B500 w/ retarder or automated mechanical w/ compression brake	6 speed allison B500 w/engine compression brake
<b>Transmission Accessories</b>		
TSTF - TRANSYND SYNTHETIC TRANSMISSION FLUID FOR AUTOMATIC		YES
<b>Auxiliary Braking</b>		
ECB - ENGINE COMPRESSION BRAKE		YES
<b>Front Axle</b>		
AXF - FRONT AXLE	Front axle rating min 16,000 lbs	16,000LBS
<b>Drive Axle</b>		
SLRA - SYNTHETIC LUBRICANT FRONT AND REAR AXLE		YES
TAA - TRACTION ASSIST-AUTOMATIC		YES
AXLE - PRIMARY DRIVE AXLE	Rear axle rating/tag axle rating 22,500 lbs / 10,000 lbs	yes
<b>Electrical</b>		
MEDS - SWITCH-BATTERY-MASTER DISCONNECT		YES
PR12 - POWER RECEPTACLE-12 VOLT - 10 AMP MINIMUM	Standard - cigar lighter plug type	YES
ALT - ALTERNATOR, MIN. (Amps)	Min 270 amps - 24 volts	Dual Denso 140 amps each total 280 amps 24 volts
BATT - BATTERY, MIN. (CCA)	OEM Standard Batteries	YES
<b>Fuel</b>		
FFS - FUEL/WATER SEPARATOR, HEATED	121	YES

FUEL - FUEL TYPE		Diesel Dedicated
FC - FUEL CAPACITY MIN US GALLONS	164 gallons	164 gallons
<b>Exterior</b>		
CUBS - COMPARTMENT-UNDER BODY-STORAGE cu.ft	Min 280 cu.ft	282 cu.feet
EOH - EXTERIOR OVERALL HEIGHT- FT.IN		137 INCHES
RM6 - MIRRORS-EXTERIOR REARVIEW HEATED AND REMOTE CONTROLLED	Motorized flat surface with manual convex - standard	YES
<b>Exterior Paint</b>		
WPT - WHITE ROOF		YES
BPC - BODY PAINT COLOR	Bright white - standard - additional colors available by request	YES
<b>Doors and Windows</b>		
DL - DOOR LOCKS		YES
AED - DOOR-ENTRANCE -- POWER OPERATED	Air Plug Door-Laminated Safety Glass	air operated sedan door
WPFT - WINDOW-PASSENGER-FIXED TOURING	Tinted and tempered safety glass- standard	YES
WN - WIPERS-WINDSHIELD-INTERMITTENT	Min 3 delay intervals	YES
<b>Lights and Lighting</b>		
BRL - INDIVIDUALLY CONTROLLED READING LIGHTS		YES
DRL - DAYTIME RUNNING LIGHTS		YES
LED - LIGHTS, LIGHT EMITTING DIODE (LED)		YES
<b>Electronics Audio Visual</b>		
PASP - PUBLIC ADDRESS SYSTEM	Integrated into radio system w/corded mic - standard	YES
<b>Interior</b>		
AH - AUXILIARY HEATER	Passenger compartment heat Min 168,000 BTUH	192,000 BTU's
ESIL - ENERGY SAVING INTERIOR LIGHTING	LED interior lighting	YES
PCIH - PASSENGER COMPARTMENT INTERIOR HEIGHT	Minimum 75-inches	YES
TS - TILT STEERING		YES
AC - AIR CONDITIONING	Min 100,000 BTUH	Bitzer a/c compressor 100,800 BTU's
CR - CRUISE CONTROL		YES
PS - POWER STEERING		YES
LRI - INTERIOR OVERHEAD PARCEL RACKS	Open faced racks standard	YES
SWT - STEERING WHEEL TELESCOPING		YES
<b>Floor</b>		
FLCV - FLOOR COVERING	One piece vinyl transit grade flooring, medium gray - other colors available	COMPLY
<b>Walls</b>		
BIF - FABRIC SURFACE INTERIOR SIDE PANELS	Padded woven fabric surface, medium gray color- standard	YES
<b>Ceiling</b>		
CPFS - CEILING-PADDED FABRIC SURFACE	Padded woven fabric surface, medium gray color - standard	YES
<b>Radio</b>		
RAD - AM/FM RADIO WITH COMPACT DISC PLAYER		YES
<b>Seats</b>		
DSS - DRIVER'S SEAT, SUSPENSION TYPE	Manufacturer's Premium w/Air Suspension	Recaro air ride model ergo metro
SCUS - MANUFACTURER'S STANDARD SEAT CLOTH	Other material available by request	yes
SSHK - SEATING, HIP-TO-KNEE MEASUREMENT	Minimum 27-inches	YES
TMS - SEATS-TRACK MOUNTED	standard	YES
S3BH - SEAT-PASSENGER-3 POINT BELT SYSTEM HIGH BACK		YES
RSCU - SEAT-HIGH BACK-RECLINING-CLOTH COVERED W/WARMREST		YES
<b>Wheelchair Transport Equipment</b>		
MWCP - MAXIMUM AVAILABLE WHEELCHAIR POSITIONS		TWO
<b>Safety</b>		
AVSC - AUTOMATIC VEHICLE STABILITY CONTROL		YES

BUA - BACK-UP ALARM		YES
FEX - SAFETY KIT, FIRE EXTINGUISHER & ETC.		comply
SBSA - LAP BELTS (ADULT), RETRACTOR TYPE FOR BUCKET SEATS		No
ABS - POWER ANTILOCK BRAKES, FRONT AND REAR	OEM 6 wheel air brakes with stability control	6 WHEEL
<b>Suspension</b>		
SAF - SUSPENSION-AIR SPRING-FRONT		YES
SAFK - SUSPENSION-AIR SPRING FRONT-KNEELING	Min Front kneel	YES
SAR - SUSPENSION-AIR SPRING-REAR	Manufacturer's standard	YES
<b>Tires and Wheels</b>		
WHP - HUB PILOTED WHEELS	Aluminum Disc	YES Alcoa Aluminum durabright
TIRE - TIRES	All season	315/80RX22.5
ALW - ALUMINUM WHEELS	Alcoa Durabright or AccuRide Accu-Shield	Alcoa Aluminum Durabright
<b>Warranty</b>		
WAPP - OEM COMPREHENSIVE WARRANTY	Manufacturer's standard warranty provisions	2 YEARS unlimited miles
WARV - CONTRACTOR COMPREHENSIVE BODY WARRANTY	Manufacturer's standard warranty provisions	2 YEARS unlimited miles

**Optional Equipment -To be provided only if Standard equipment from OEM**

GSA Components	MOTOR COACH INDUSTRIES D4005
<b>Body/Chassis</b>	
ACLS - AUTOMATIC CHASSIS LUBRICATION SYSTEM	Stand Alone
<b>Alternative Fuel</b>	
HEV2 - PLUG-IN HYBRID ELECTRIC VEHICLE	N/A
CNG - DEDICATED COMPRESSED NATURAL GAS	N/A
<b>Engine Accessories</b>	
AST - TWO STAGE AIR CLEANER	N/A
FFP - COOLANT HEATER-FUEL FIRED	Stand Alone
<b>Brakes</b>	
BADA - BRAKES-AIR-DISC-ALL WHEEL ENDS	Standard
BAFA - BRAKES AIR - STEERING AXLE - DISC BRAKES	N/A
<b>Electrical</b>	
COBB - CHARGER - ON BOARD BATTERY	Stand Alone
<b>Exterior Paint</b>	
PCC - PAINT-CUSTOM COLOR	Stand Alone
<b>Doors and Windows</b>	
ESH - ENTRY STEP - HEATED	Stand Alone
<b>Signage</b>	
BSIE - SIGN-DESTINATION-ELECTRONIC-FRONT	Stand Alone
SDES - SIGN-DESTINATION-ELECTRIC-SIDE	Package
<b>Electronics Audio Visual</b>	
VCB1 - VIDEO CAMERA-BACKUP-COLOR MONITOR	Stand Alone
VCS2 - VIDEO CAMERA-SECURITY PACKAGE-TWO CAMERA AND STORAGE DRIVE	Package
VV6 - VIDEO VIEWING-DVD/VCR W/ 6 8	Package
VV8 - VIDEO VIEWING-DVD/VCR W/ 8 8	N/A
<b>Interior</b>	
LAV - LAVATORY W/ FRESH WATER SINK	N/A
LRID - LUGGAGE RACKS WITH DOORS	Stand Alone
RL36 - RACK LUGGAGE - MINIMUM DIMENSIONS 22in x 36in 2-TIER	N/A
RL60 - RACK LUGGAGE - MINIMUM DIMENSIONS 22in x 60in 2-TIER	N/A
BFST - BARRIER-FULL HEIGHT-TRANSLUCENT	Stand Alone
IVR - INTERIOR WALLS AND CEILING - VANDAL RESISTANT	N/A
LAV1 - LAVATORY W/PROVISIONS FOR MOIST TOWELETES	Package
<b>Floor</b>	
CM - CARPETED FLOOR COVERING	N/A
<b>Radio</b>	
RAX - AM/FM RADIO with AUXILIARY INPUT	Standard
<b>Seats</b>	
GRS - SEAT-PASSENGER-GRAB HANDLE	Stand Alone
EFSC - ECO FRIENDLY SEAT CUSHIONS	N/A
SICA - SEAT-CHILD SEAT-INTEGRATED-ADULT BUS	N/A
SFD - SEAT -FOLDING -DOUBLE	Package
SFD2 - SEAT- FOLDING -FLIP DOUBLE	N/A
SCU5 - SEAT FABRIC- LAFRANCE MILLS TOWER 3000 GREEN #539 CLOTH	Package
SCS6 - SEAT FABRIC-STAIN/FLUID RESISTANT-SYNERGY EH STEEL GRAY #134	N/A
SCS7 - SEAT FABRIC-STAIN/FLUID RESISTANT- CMI ILLUSION BLACK	N/A
VCPS - VINYL COVER PASSENGER SEATS	Package
<b>Wheelchair Transport Equipment</b>	
WCL2 - RICON WHEELCHAIR LIFT PKG - Includes 2 WC Positions	Package
WCL3 - BRAUN WHEELCHAIR LIFT PKG - Includes 2 WC Positions	Package
TDSS - WHEELCHAIR TIE-DOWN STORAGE SYSTEM- UNDER SEAT TYPE	Package
BWP - ADDITIONAL WHEELCHAIR POSITIONS	N/A
3WSK - TRI-WHEEL SCOOTER SECUREMENT KIT - USE WITH LIFT PACKAGE	N/A
<b>Safety</b>	
BFEA - BUMPER-FRONT-ENERGY ABSORBING	Standard

BREA - BUMPER-REAR-ENERGY ABSORBING	Standard
FSS - FIRE SUPPRESSION SYSTEM	Stand Alone
LWSA - LIGHT- WARNING STROBE-AMBER	N/A
<b>Tires and Wheels</b>	
TPMS - TIRE PRESSURE MONITORING SYSTEM	Standard
TSCF - TIRE-SPARE ASSEMBLY AND CARRIER-FRONT AXLE	Standard
TSCR - TIRE-SPARE ASSEMBLY AND CARRIER-REAR AXLE	N/A
TSAF - TIRE-SPARE ASSEMBLY-FRONT AXLE-SHIPPED LOOSE	N/A
TSAR - TIRE-SPARE ASSEMBLY-REAR AXLE-SHIPPED LOOSE	N/A
AICE - CHAINS-TIRE-AUTOMATIC	N/A
<b>Export Delivery</b>	
1611 - OEM EXPORT DOCUMENT FEE	N/A
<b>Miscellaneous</b>	
BZZ - BUZZER-STOP REQUEST-PASSENGER ACTIVATED	Stand Alone
MIL - DATA PLATE AND DD250	Stand Alone
PSM - PARTS AND SERVICE MANUALS	Package
PSMA - AIR FORCE PARTS AND SERVICE MANUALS	Package
PSME - PARTS AND SERVICE MANUALS -- ELECTRONIC	Package

## Commercial 45 Passenger Bus

(Mercedes Tourismo MODEL #15 RH, Motor Coach Industry Model D4005 or equivalent)

### Ordering Data



### Features

#### Mechanical:

- Capable of continuous operation and storage at any ambient temperature from 0 degrees F to 125 degrees F

#### Paint color:

- The final color shall be Sherwin Williams paint color Sand Yellow, RAL#1002, RHS9 - 00002

### 33. Ordering data for Crane 65 Ton Self prop/Truck mounted

CRANE, HYDRAULIC, CARRIER MOUNTED, 65 TON

NSN 3810010388315

The Contractor shall comply with all requirements of CID A-A-59218, dated 18 May 1998, unless specifically deleted or changed below:

#### **Basic specifications and construction (Standard Equipment)**

- Paragraph 2.5.1 Lifting capacities – The crane shall have lifting capacities of not less than 65.0 tons (130,000 pounds or 5,8967 kilograms) with the boom length extended to 110.0 feet minimum.
- Paragraph 2.6.8 Load moment device – dial or digital readings should show metric or both English and metric measurements
- Paragraph 2.9.3 Tires – High flotation type tires are not required
  
- Paragraph 2.9.5 Engines – Winterization package is not required. The crane shall be cable of satisfactory operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and shall be cable of satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F).
- Paragraph 2.10 Attachments – Towing hook and Towing winch shall be provided
- Paragraph 2.11 Radio Noise Suppressors – The crane shall be equipped with radio noise suppressors.
  
- Paragraph 2.18 Cleaning, treatment, and painting – The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002

#### 34. Ordering data for Distributer Water, Truck Mounted 1.5K Gallon

TRUCK, TANK, WATER DISTRIBUTOR,  
1,500 GALLON CAPACITY, WITH CAB  
NSN: 3825-00-554-1808

The Contractor shall comply with all requirements of Federal Specification MIL-D-52987A dated 17 May 1989 as hereby amended:

##### **Basic specifications and construction (Standard Equipment)**

- 3.7.1 This asset will not be airdrop
- 3.9 Towing devices – Rear towing devices is not required unless if it comes standard from the manufacturer
- 3.19.3 Not required
- 3.19.4 Not required
- 3.19.6 Not required
- 3.19.7 Not required
- 3.19.8 Not required
- 3.24. and 3.24.1 Manufacturer’s standard treatment and painting is acceptable. The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9-00002
- 3.27 Any nonstandard or special tools required for equipment operation and operator maintenance of the distributor shall be furnished
- 3.29 Not required
- 4.3 Not required
- 4.3.1 Not required
- 4.3.2 Not required
- 4.3.3 Not required



35. Ordering data for Semi-Trailer Low Bed 25Ton  
SEMITRAILER, LOWBED, FIXED GOOSENECK  
25 TON CAPACITY  
Master NSN: 2330-00-899-7526YW

The Contractor shall comply with all requirements specified below. Inactive Military Specification MIL-S-45152H dated 22 January 1990 is provided as a reference:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 1.2, Classification:
  - Type 1 – Level Deck
  - Class A – Fixed gooseneck
  - Size 25 – 25 Ton
  - Style 4W – 4 wheel
  
- Paragraph 3.1.1.1, Treatment and painting - Manufacturer's standard treatment and painting is acceptable. The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 3.1.1.2, Markings and data plate. An Identification Data Plate with the following information shall be provided:
  - Permanently marked
  - Constructed from non-corroding, UV-resistant, metal material
  - Data Plate shall include the following information:
    - Vehicle Nomenclature
    - Manufacturer's Model Number
    - Vehicle Identification (serial) Number or VIN
    - Manufacturer's address and phone number
    - Date of Manufacture
    - National Stock Number
    - Contract Number
    - Registration Number
  
- Rear license plate mounting bracket with license plate attaching hardware
  
- Paragraph 3.1.1.6, Lifting and tying down attachments – Shall be provided
  
- Paragraph 3.1.1.7, Lubrication chart – Shall be provided
  
- Para 3.4, Payload – 50,000lbs
  - Paragraph 3.5, Dimensions and clearances:
    - Overall length: 35' (420") maximum (end to end)
    - Overall Width: 8' (96") maximum
    - Deck Height: 38" maximum
    - Usable Deck Length: 20' (240") minimum

- Upper Coupler:
    - 48” fifth wheel height
- Paragraph 3.7.7, Lashing D-rings – A means to secure cargo such as Lashing D-rings, Tie down pockets and chain spools shall be provided.
- Paragraph 3.8.1, Class A fixed gooseneck with a full width gooseneck – Shall be provided
  - Lockable tool box shall be provided
- Paragraph 3.10, Wheels, rims, tires and tubes - Disc type wheels shall be provided
- Paragraph 3.10.1, Tires - OEM Radials shall be provided
- Paragraph 3.10.3 & 3.10.4, Spare wheel and tire - One Spare Tire/Wheel Assembly shall be provided
- Paragraph 3.11, Brakes:
  - Air, on both axles
  - Service and Emergency brakes
  - Automatic slack adjusters
  - ABS
- Paragraph 3.17, 3.17.1 & 3.17.2, Lighting, Electrical & Receptacle:
  - LED lights
  - Tail lights, brake lights, clearance lights, turnsignal
  - 12 volt
  - 7-way plug
  - The trailer, including all parts and accessories, shall be constructed and finished thoroughly in a workmanlike manner. Workmanship objectives shall include freedom from blemishes, defects, burrs and sharp corners and edges; accuracy of dimensions, surface finish, and radii of fillets; thoroughness of soldering, welding, brazing, painting, wiring, and riveting; marking of parts and assemblies; alignment of parts and tightness of assembly fasteners; etc.
- 6.2 (Z) Ramps shall be provided



36. Ordering data for Sweeper Road and Runway

SWEEPER, RUNWAY, SELF-PROPELLED

NSN: 3825-01-107-2438

The Contractor shall comply with all requirements of Federal Specification OO-S-2796 dated 22 Feb 1993 as hereby amended:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 3.3, Standard commercial product – Multi-purpose, regenerative air, runway sweeper with latest year model conventional cab design truck chassis shall be provided.
- Paragraph 3.6.2.1, Cab - The manufacturer’s standard air-conditioning unit shall be provided.
- Paragraph 3.6.1, Ambient temperatures. The sweeper, including all components, accessories, and auxiliaries, shall be cable of satisfactory operation in temperature ranging from -6°C - 51°C (21.2°F - 123°F) and satisfactory storage in ambient temperature ranging from -6°C - 60°C (21.2°F - 140°F).
- Paragraph 3.6.3.3, Gutter broom(s) – The sweeper shall be furnished with dual gutter brooms
- Paragraph 3.6.3.9, Permanent magnet – A permanent magnet shall be provided.
- Paragraph 3.12, Fire extinguisher – Shall be provided
- Paragraph 3.16, Identification plate – Standard commercially available ID plate shall be provided. Data Plates should include the following information, at a minimum:

NOMENCLATURE: \_\_\_\_\_  
MAKE AND MODEL \_\_\_\_\_  
MANUFACTURERS SERIAL NUMBER \_\_\_\_\_  
(VIN \_\_\_\_\_ REGISTRATION #: \_\_\_\_\_  
VEHICLE CURB WEIGHT \_\_\_\_\_ LBS  
PAYLOAD, MAXIMUM \_\_\_\_\_ LBS  
GROSS WEIGHT, MAX \_\_\_\_\_ LBS  
GROSS WEIGHT COMB MAX \_\_\_\_\_ LBS  
DATE OF DELIVERY \_\_\_\_\_  
WARRANTY \_\_\_\_\_ MO \_\_\_\_\_  
\_\_\_\_\_ MILES  
CONTRACT NUMBER \_\_\_\_\_

- Paragraph 3.19, Cleaning, treatment, and painting - Manufacturer’s standard treatment and

painting is acceptable. The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002

- Additional Requirement – Hopper shall have a minimum useable capacity of 6 cubic yards
- Additional Requirement – Dust control system reservoir shall have a minimum capacity of 220 gallons



37. Ordering Data for Semi-Trailer Low Bed 60  
Ton  
SEMITRAILER, DETACHABLE  
GOOSENECK 50 FOOT, 60 TON CAPACITY  
Master NSN: 2330003492572YW

The Contractor shall comply with all requirements specified below. Inactive Military Specification MIL-S-45152H dated 22 January 1990 is provided as a reference:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 1.2, Classification:
  - Type II – Drop Deck
  - Class E – Detachable gooseneck, hydraulic, self-contained
  - Size 60 – 60 Ton
  - Style 6W – 6 wheel
- Chassis: Positive Camber
- Paragraph 3.1.1.1, Treatment and painting – Manufacturer’s standard treatment and painting is acceptable. The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9-00002
- Paragraph 3.1.1.2, Markings and data plate. An Identification Data Plate with the following information shall be provided:
  - Permanently marked
  - Constructed from non-corroding, UV-resistant, metal material
  - Data Plate shall include the following information:
    - Vehicle Nomenclature
    - Manufacturer’s Model Number
    - Vehicle Identification (serial) Number or VIN
    - Manufacturer’s address and phone number
    - Date of Manufacture
    - National Stock Number
    - Contract Number
    - Registration Number
- Rear license plate mounting bracket with license plate attaching hardware
- Para 3.4, Payload and distribution – 120,000 lbs distributed over 16 feet
- Paragraph 3.5, Dimensions and clearances:
  - Overall length: 50’ (600”) nominal (end to end)
  - Overall Width: 8.5’ (102”) nominal
  - Deck Height: 24” nominal
  - Usable Deck Length: 24’(288”) minimum
  - Swing Clearance: 81” minimum
  - Upper Coupler:

- 2” pin
  - 16” (minimum) to 20” (maximum) setting
  - 48” fifth wheel height
  - 5/16” upper coupler plate thickness
- Paragraph 3.7.1, Flooring - Hardwood flooring fastened with “dog ear” brackets
- Wheel Well: Load-bearing trunnion beams covered with steel tread plate
- Paragraph 3.7.7, Lashing D-rings:
  - Located on side rails
  - 1 pair per 4’ of deck length
  - On ends of trunnions (3 pair total)
  - On bumper plate (2 each)
- Paragraph 3.7.9, Platform width extension - Widening brackets:
  - 12” brackets located on side rails
  - Loose deck boards stowed in center section with spring hold-downs
- Paragraph 3.8.4.7, Engine – Air cooled, 13 HP gas engine power unit to drive the hydraulic pump. All accessories required for operation shall be provided to include, but not limited to:
  - 3-gallon capacity fuel tank, minimum
  - 12-volt maintenance-free battery
  - Battery-charging alternator
- Paragraph 3.8.5, Class E, detachable Gooseneck
  - Non-ground bearing hydraulic detachable neck
  - Lifting and detach mechanism in the gooseneck
  - All controls in the gooseneck
  - Height adjustable – able to lift the rated load on any terrain and quickly change deck height to clear any obstruction.
  - Tool Box in gooseneck
- Paragraph 3.9, Axles and suspension system:
  - Three OEM axles
  - 25,000 lb capacity each
  - Air raise and lower valve (bypasses the leveling valve)
  - Air lift/retract, per axle
  - Hubs:
    - Long studs
    - Steel hub
- Paragraph 3.9.5, Air suspension system shall be provided.
- Paragraph 3.10, Wheels, rims, tires and tubes: Steel disc, Hub piloted wheels shall be provided.
- Paragraph 3.10.1, Tires - OEM Radials shall be provided

- Paragraph 3.10.3 & 3.10.4, Spare wheel and tire - One Spare Tire/Wheel Assembly with Carrier mounted on Gooseneck
- Paragraph 3.10.5, Spare tire storage compartment – an anti-theft spare tire storage compartment shall be provided.
  
- Paragraph 3.11, Brakes:
  - Air, on three axles
  - Service and Emergency brakes
  - Glad hands polarized and identified as “service” and “emergency”
  - Glad hand covers with lanyards
  - Automatic slack adjusters
  - ABS, 2S/1M (2 Sensor / One Modulator Valve)
  
- Paragraph 3.15.1, Fold up loading ramps – shall be provided
  
- Paragraph 3.17, 3.17.1 & 3.17.2, Lighting, Electrical & Receptacle:
  - LED lights
  - Tail lights, brake lights, clearance lights, turn signal
  - 12 volt
  - 7-way plug
  
- The trailer, including all parts and accessories, shall be constructed and finished thoroughly in a workmanlike manner. Workmanship objectives shall include freedom from blemishes, defects, burrs and sharp corners and edges; accuracy of dimensions, surface finish, and radii of fillets; thoroughness of soldering, welding, brazing, painting, wiring, and riveting; marking of parts and assemblies; alignment of parts and tightness of assembly fasteners; etc.
  
- PSM – Hard copy of Operators, Parts and Service Manuals to be sent as pack-up data with each vehicle delivered.
  
- The contractor shall provide trailer manuals consisting of Operators, Parts and Service Manuals. The contractor’s Parts Manuals shall list the part numbers for contractor-manufactured parts, plus the part numbers for purchased sub-level components and whole components. Manuals shall be provided in accordance with DFARS 252.227-7015 Technical Data - Commercial Items.



38. Ordering data for Trailers Tankers Fuel, 600Gal

MINIMUM PERFORMANCE REQUIREMENTS  
TRAILER, TANK, FUEL SERVICING  
NSN 2330015585334

1. SCOPE

1.1 Scope. This CID covers tanks mounted on trailers intended for receiving, vacuum pick-up, temporary storage, ground transport, and gravity draining of recoverable fuel: these will herein be referred to as the unit. These units are commonly referred to as bowsers. The units fulfill the requirements for standardized family of bowsers for general flight line and maintenance facility use. The units are intended for general flight line use in support of aircraft servicing and maintenance when temporary storage of fuel is requested, draining and depuddling aircraft fuel tanks in support of aircraft fuel cell and tank maintenance, removing fuel spills, pumping-out hydrant pits, and the like.

2 CLASSIFICATION.

2.1 Classification. The units are of the following three sizes:

2.1.1 Sizes. The sizes of the tanks are as follows:

Size I	Not for this procurement
Size II	Not for this procurement
Size III	600 gallon nominal capacity

3. CHARACTERISTICS.

3.1 Description. The equipment shall be capable of operation within the accuracy's, limits, and specifications specified herein. The unit shall be designed and constructed for convenient, leak and weep free safe, effective reception and vacuum pickup, storage, ground transport and gravity drain of aviation turbine fuels. The storage tank on the unit shall be constructed with a double wall for secondary containment. The tank assembly shall have an operating pressure range of atmosphere (0 psig) to 8 inches Hg vacuum. The tank assembly shall be designed to withstand a pressure range of 2.5 psig to 12 inches Hg without leaking, weeping, fracturing, permanent deformation or evidence of impending failure. The unit shall withstand the strains, shocks and vibrations incidental to shipment, towing, fork lifting, and operation. All hose (air and fuel) connections shall be either male national pipe thread (NPT) or quick disconnect for air lines and cam locks or similar devices to allow for quick use on the flight line. Funnel lids and manway cover shall be provided with provisions for padlocking. If wheel chocks are implemented into the design, then drum type parking brakes (asbestos free), which are activated by a brake lever, shall be provided. The units shall meet the below listed



minimum/maximum dimensions. The unit shall be designed to be corrosion resistant and shall be fabricated from 300 stainless steel. The exception to this shall be the telescoping funnel assembly which shall be fabricated from aluminum alloy. The undercarriage framework shall be fabricated from carbon steel. All components and materials (to include gaskets, fittings, valves, adhesives, etc.,) shall be proven fuel resistant materials.

32. Design and construction. The design shall promote cost effective, life-cycle sustainability by addressing considerations such as incorporating open standards and reducing waste, while satisfying system performance requirements. It shall be designed and constructed so that no parts will work loose in service, and to withstand the strains, jars, vibrations, and other conditions incident to shipping, storage, installation, and service. It shall be weatherproof and designed to prevent the intrusion of water, sand, and dust into critical operating components.

32.1 Fastening devices. All screws, bolts, nuts, pins, and other fastening devices shall be properly designed, manufactured, and installed with adequate means of preventing loss of torque or adjustment. Cotter pins, lock washers, or nylon patches shall not be used for this purpose, except for the attachment of trim items or as provided in commercial components. Tapped threads shall have a minimum thread engagement in accordance with Table I.

TABLE I. Minimum thread engagement.

<b>Material</b>	<b>Minimum Thread Engagement</b>
Steel	1.0 times the nominal fastener diameter
Cast iron, brass, or bronze	1.5 times the nominal fastener diameter
Aluminum, zinc, or plastic	2.0 times the nominal fastener diameter

32.2 Welders and welding. All welders shall be certified to weld in accordance with AWS D1.1 and AWS D1.2, as applicable. The contractor shall make available to the Government certifications for all welders being utilized on the fuel bowser. Welding procedures and all welding on the fuel bowser shall be in accordance with AWS D1.1 and AWS D1.2, as applicable. The surface parts to be welded shall be free from rust, scale, paint, grease, and other foreign matter. Welds shall be of sufficient size and shape to develop the full strength of the welded parts. Welds shall transmit stress without cracking or permanent distortion when the parts connected by the welds are subjected to test, proof, and service loadings.

3.3 Components. The units shall consist essentially of the following major components listed in Table II.

Table II. Major components.

<b>Component</b>	<b>Paragraph Reference</b>
Trailer chassis	3.3.1
Tank assembly	3.3.2
Telescoping funnel assembly	3.3.3
Vacuum pump assembly	3.3.4
Vacuum pickup hose assembly	3.3.5
Aircraft interface vacuum assembly	3.3.6
Sampling device	3.3.7
Static grounding reels	3.3.8
Grounding receptacles	3.3.9

3.3.1 Trailer chassis. A trailer chassis shall be provided that shall securely mount all components specified herein. The trailer tow bar shall incorporate heavy duty pins (1 inch diameter or larger) and a lunette coupler.

3.3.2 Tank assembly. The unit shall be furnished with a rigid double walled tank. Tank nominal volume shall be as specified (see 2.1.1). Tank shall have a true volume not less than 110 percent of the tank's nominal volume. Space enclosed by tank sump and manway shall not be attributed to the true volume. The tank shall be circular, elliptical or semi-elliptical in cross section. The tank shall be baffled laterally.

3.3.3 Telescoping funnel assembly. A telescoping funnel assembly shall be provided mounted on the tank. The funnel shall be a truncated cone not less than 15 inches in diameter and not less than 3 inches deep and shall have a bottom opening not less than 2-inches in diameter. Funnel assembly height shall be infinitely variable from 4 feet 2 inches to 16 feet measured from ground plane to the upper edge of the funnel rim.

3.3.4 Vacuum pump assembly. A vacuum pump assembly shall be provided. The vacuum pump assembly shall consist of a compressed air driven vacuum generator and a vacuum chamber. The vacuum chamber shall consist of the entire tank assembly, and be provided with four ports on the vacuum chamber that enable attaching drain hoses to the low point drains on the aircraft. The unit shall provide an assembly to collect foreign objects. The ports shall be attached to tubing that extends the height of the F.O.D. chamber and shall be designed to prevent splashing and free-fall of the fuel during draining into the tank assembly. Means shall

be provided to interrupt the vacuum action should the tank assembly approach an over-fill condition; a manual reset shall be provided. The unit's vacuum pump shall produce no less than 12 inches of mercury (Hg) of lift and 80 standard cubic feet per minute (scfm) vacuum flow at the operational air input of 100 Pounds per Square Inch Gage (psig) and 60 scfm air consumption.

3.3.5 Vacuum pickup hose assembly. A vacuum pickup hose assembly shall be furnished. The hose assembly shall be not less than 50 feet long. The hose shall have a conductive/static dissipating cover. The vacuum pickup hose shall be adaptable to the unit's vacuum pump assembly on one end and no fittings on the opposite end.

3.3.6 Aircraft interface vacuum assembly. An aircraft interface vacuum assembly shall be furnished. The device shall interface to all aircraft tank drains while providing a leak-free connection and the ability to drain fuel with vacuum assist. The aircraft interface vacuum assembly shall be able to be attached to the unit at a distance no less than 35 feet.

3.3.7 Sampling device. A sampling device shall be provided and positioned to permit sampling of fuel as it flows out of the tank.

3.3.8 Static grounding reels. Each unit shall be provided with no less than two static grounding reels in accordance with A-A-50696. The reels shall have cables that are insulated with a corrosion resistant coating, reels shall be mounted vertically. Reels may be mounted inverted. Electrical resistance between reel base and the unit frame shall not exceed 0.5 ohms.

3.3.9 Grounding receptacles. Two grounding receptacles shall be mounted on the unit. Electrical resistance between the unit and the receptacle shall not exceed 0.5 ohms.

### 3.4 Materials, protective coatings, and finish.

3.4.1 Protective coatings. Materials that deteriorate when exposed to sunlight, weather, or operational conditions normally encountered during the service life of the item shall not be used or shall have means of protection against such deterioration that does not prevent compliance with the performance requirements specified herein. Protective coatings that chip, crack, or scale with age or extremes of climatic conditions or when exposed to heat shall not be used. Exposed

surfaces of fasteners, handles, and fittings shall also be primed and painted. See 3.6.1 for prohibited hazardous materials.

3.4.2 Finish. The exterior finish color of the fuel bowser shall be Sherwin Williams paint color Sand Yellow, RAL# 1002, RHS9-0002.

3.4.3 Exclusion of water. The design of the fuel bowser shall be such as to prevent water leaking into, or being driven into, any part of the fuel bowser interior when either in an operating or travelling configuration. All doors, panels, covers, etc., shall be provided with sealing arrangements such that the entry of water is minimized when these items are correctly

closed. Particular care shall be taken to prevent wetting of heat and sound proofing materials. Sharp corners and recesses shall be avoided so that moisture and solid matter cannot accumulate to initiate localized attack. Sealed floors with suitable drainage shall be provided for storage compartments, and other areas in the fuel bowser that could collect and retain water.

344 Fluid traps and faying surfaces. There shall be no fluid traps on the fuel bowser. Faying surfaces of all structural joints, except welded joints, shall be sealed to preclude fluid intrusion.

345 Ventilation. Ventilation shall be sufficient to prevent moisture retention and buildup.

346 Drainage. Drain holes shall be provided to prevent collection or entrapment of water or other unwanted fluid in areas where exclusion is impractical. All designs shall include considerations for the prevention of water or fluid entrapment and ensure that drain holes are located to effect maximum drainage of accumulated fluids. The number and location of drain holes shall be sufficient to permit drainage of all fluids when the fuel bowser is on a 20 degree longitudinal slope facing both up and down and on an 11.5 degree side slope facing both directions. The minimum size of the drain holes shall be 0.25 inch.

### 3.5 Identification and information plates.

3.5.1 Markings. All external devices which require an operational or maintenance interface shall be marked in accordance with MIL-STD-130. Markings shall be applied with decals and shall be 1-inch high block letters unless prohibited by the available space. In such cases, the markings shall be the largest size possible. Markings, Information/Caution shall be Lusterless Black, Color Number 37038 of FED-STD-595, and Markings, Warning/Danger shall be Lusterless Red, Color Number 31136 of FED-STD-595. The center of gravity of the fuel bowser shall be stenciled on the unit within 1.0 inch of the calculated center of gravity.

3.5.2 Identification plate. An identification plate in accordance with MIL-STD-130 shall be securely attached to the fuel bowser in a readily accessible location. The identification plate shall contain the following information: Nomenclature, part number, serial number, date of manufacture, manufacturer's name, Commercial and Government Entity (CAGE) code, date of warranty expiration, and National Stock Number (NSN).

3.5.3 Transportation data plate. A transportation data plate shall be securely attached to the fuel bowser in a readily accessible location. The plate shall contain at least the following information:

- a. Side and rear silhouette views of the fuel bowser.
- b. Horizontal and vertical location of the center of gravity of the fuel bowser in air transportable configuration, marked on the silhouette views.
- c. Shipping weight.

- d. Loading cubage.
- e. Overall height, width, and length.
- f. Front and rear axle loads.
- g. Tie down information.

### 3.6 Environment, Safety, and Occupational Health (ESOH).

3.6.1 Hazardous material. The design shall minimize and control hazards associated with the inclusion or use of hazardous or toxic materials and the generation of toxic or noxious gases. The fuel bowser shall not generate or use Class I or Class II Ozone Depleting Substances (ODS) during operation, maintenance, or disposal. The fuel bowser shall not contain or use hexavalent chromium. For the purposes of this requirement, the Class I ODS and controlled substances identified in Chapter 4 of AFI 32-7086 shall not be used in any system, component, or process.

3.6.2 Component protection. All space in which work is performed during operation, service, and maintenance shall be free of hazardous protrusions, sharp edges, or other features which may cause injury to personnel. All rotating and reciprocating parts and all parts subject to high operational temperatures or subject to being electrically energized, that are of such nature or so located as to be hazardous to personnel, shall be guarded or insulated to eliminate the hazard. All wires, cables, tubes, and hoses shall be supported and protected to minimize chafing and abrasion and shall be located so as to provide adequate clearance from moving parts and high operational temperatures. Grommets shall be provided wherever wires, cables, tubes, or hoses pass through bulkheads, partitions, or structural members.

3.6.3 Foreign object damage (FOD). All loose metal parts, such as pins or connector covers, shall be securely attached to the fuel bowser with wire ropes or chains. "Dog tag" style beaded chains shall not be provided. Removable panels, if provided, shall be attached with captive fasteners. Tire valve stem caps shall be made of plastic.

### 3.7 Environmental conditions.

3.7.1 Operating temperature range. The fuel bowser shall be capable of operating in ambient temperatures ranging from -25° F to 125° F.

3.7.2 Storage temperature range. The fuel bowser shall be capable of being stored in ambient temperatures ranging from -40° F to 160° F.

### 3.7.3 Precipitation.

3.7.3.1 Rain. The fuel bowser shall be capable of storage and operation during rainfall of 5- inches per hour for three consecutive hours and 10-inches per hour

for 10 consecutive minutes, with winds of up to 35 knots; and with 6-inches of rain per hour impinging on the fuel bowser at angles from vertical to 45° for 30 consecutive minutes.

3.7.4 Solar radiation. The fuel bowser shall not be adversely affected by full time exposure to solar radiation, such as those conditions encountered in desert environments.

3.7.5 Fungus. All materials used in the fuel bowser shall be fungus resistant or shall be suitably treated to resist fungus. Materials treated for fungus resistance shall retain their original electronic and physical properties, shall not present toxic hazards, and treatment shall last for the entire service life of the part. The fuel bowser shall be suitable for operation and storage in conditions encountered in a tropical environment.

3.7.6 Salt fog. The fuel bowser shall be capable of storage and operation in high temperature, high humidity, salt laden, sea coast environments without damage or deterioration of performance.

3.7.7 Sand and dust. The fuel bowser shall be capable of storage and operation during exposure to wind-blown sand or dust without damage or deterioration of performance.

3.8 Weight and dimensions. Overall weight and dimensions in air transport configuration (see 3.9.2) shall fall within the following range listed in Table III.

Table III. Weight and dimensions.

<b>SIZE</b>	<b>WEIGHT</b>	<b>DIMENSIONS</b>
600	Length (Tow Bar Extended)	140/200 inches
	Width	70/95 inches
	Height	50/80 inches
	Max Weight (empty)	2300 lbs.

3.9 Transportability.

3.9.1 Surface transportability. The fuel bowser shall be transportable via all modes of surface shipment (highway, rail, and water) in accordance with MIL-STD-1366, and shall be capable of withstanding the mechanical shock and vibration characteristics of highway, rail, and water transport, except that design for rail impact testing (see 5.2.5 of MIL-STD-1366) is not required.

3.9.2 Air transportability. Not Required

3921 Shoring. The fuel bowser shall be air transportable without shoring.

3.9.2.3 Tire pressure. Tire pressure shall not exceed 100 pounds per square inch (psi) and shall not be reduced for air transport.

3.9.2.4 Winch points. Winch points shall be provided at the front and rear of the fuel bowser for aircraft loading using the aircraft's winch.

3.9.3 Tie downs. The fuel bowser shall be symmetrically restrained during air and ground transport. Tie down points shall be rated at a minimum of 10,000 pounds, marked for capacity, with a clear opening compatible with MIL-DTL-25959 and MIL-PRF-27260 tie down devices. Each end of each tie down device shall terminate at a tie down point and not pass through any other tie down point. There shall be no interference between tie down devices and the fuel bowser. The tie down provisions shall be in accordance with 4.1 through 4.12 of MIL-STD-209.

3.9.4 Lifting provisions. The fuel bowser shall be equipped with sufficient attachment points so located that it can be lifted by crane; each attachment point shall be marked "Lift Point". The lifting provisions shall be in accordance with 5.1 through 5.1.4 of MIL-STD-209.

3.10 Maintainability. The fuel bowser shall be designed for maintainability in accordance with 5.9 through 5.9.18 of MIL-STD-1472; forces shall not exceed those specified for both males and females.

3.10.1 Inspection and servicing provisions.

- a. Pre-use inspections and servicing tasks shall not require tools.
- b. Routine service and preventive maintenance shall not require special tools (see 7.3.2).
- c. Drain plugs and filters shall be directly accessible from the ground and oriented to have unimpeded drainage to a catch pan.
- d. The fuel bowser shall be designed with maximum usage of sealed lifetime lubrication bearings.

3.10.2 Special tools. The design of the item shall minimize the requirement for special tools. All special tools shall be provided with, and stored on, the fuel bowser.

3.11 Mobility/ Stability The fuel bowser shall be in accordance with SAE AS8090 for Type II, Group C mobility except as otherwise specified herein. The unit shall be designed and constructed as a full trailer, with wheels and supported by its own suspension system.

3.11.1 Terrain.

3.11.1.1 Paved surfaces. The fuel bowser shall be towable at speeds up to 20.0 miles per hour

(mph) over paved surfaces.

3.11.1.2 Graded gravel. The fuel bowser shall be towable at speeds up to 10.0 mph over graded gravel.

3.11.1.3 Belgian block. The fuel bowser shall be towable at speeds up to 8.0 mph over Belgian block.

3.11.2 Towing force. The towing force shall be in accordance with 3.3.4 of SAE AS8090.

3.11.3 Clearances. Ground clearance, ramp breakover angle, and angles of approach and departure shall be in accordance with 3.3.9 of SAE AS8090.

3.11.4 Suspension. The fuel bowser shall have a suspension system in accordance with 3.4.1.2 of SAE AS8090.

3.11.5 Brakes.

3.11.5.1 Parking brakes. The fuel bowser shall have parking brakes in accordance with 3.6.1 of SAE AS8090.

3.11.5.2 Service brakes. The fuel bowser shall have service brakes in accordance with 3.6.2 of SAE AS8090.

3.11.6 Bumper. The fuel bowser shall have a rear bumper in accordance with 3.7 of SAE AS8090.

3.11.7 Fenders. The fuel bowser shall have fenders in accordance with 3.9 of SAE AS8090.

3.11.8 Mudflaps. The fuel bowser shall have mudflaps in accordance with 3.12 of SAE AS8090.

3.11.9 Pintle hook. The rear pintle hook, specified in 3.13 of SAE AS8090, shall not be provided; the fuel bowser shall be towed singly, not in trains, as specified in 3.3.8 of SAE AS8090.

3.11.10 Towbar. The fuel bowser shall be equipped with a towbar in accordance with 3.17.1 of SAE AS8090. It shall have a lunette eye in accordance with A-A-52464 and accommodate any pintle hook height from 22 through 30 inches. When in operation or storage (that is, not being towed), the towbar shall be stowed upright, secured, and not hinder visibility, operation, or maintenance.

3.11.11 Tires and wheels. The fuel bowser shall be equipped with single or dual tubeless steel belted radial tires with on/off-road type tread mounted on steel disc wheel assemblies. Tire and wheel assemblies shall be identical at all wheel positions. Tires and wheels shall be in accordance with the *Tire and Rim Association Year Book* requirements for this application.



3.12 Workmanship. The fuel bowser, including all parts and accessories, shall be constructed and finished in a thoroughly workmanlike manner. Workmanship objectives shall include freedom from blemishes, defects, burrs and sharp corners and edges; accuracy of dimensions, surface finish, and radii of fillets; thoroughness of welding, painting, and riveting; marking of parts and assemblies; and proper alignment of parts and tightness of assembly fasteners.

3.12.1 Bolted connections. Bolt holes shall be accurately punched or drilled and shall be deburred. Threaded fasteners shall be tight and shall not work loose during testing or service usage.

3.12.2 Riveted connections. Rivet holes shall be accurately punched or drilled and shall be deburred. Rivets shall be driven with pressure tools and shall completely fill the holes. Rivet heads shall be full, neatly made, concentric with the rivet holes, and in full contact with the surface of the component.

3.12.3 Gear and lever assemblies. Gear and lever assemblies shall be properly aligned and meshed and shall be operable without interference, tight spots, loose spots, or other irregularities. Where required for accurate adjustment, gear assemblies shall be free of excessive backlash.

3.12.4 Cleaning. The fuel bowser shall be thoroughly cleaned. Loose, spattered, or excess solder; welding slag; stray bolts, nuts, and washers; rust; metal particles; pipe compound; and other foreign matter shall be removed during and after final assembly.

#### 4. REGULATORY REQUIREMENTS.

4.1 Recycled recovered materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR). However, used, rebuilt, or refurbished items shall not be provided.

4.2 Green Procurement Program. Green Procurement Program (GPP) is a mandatory federal acquisition program that focuses on the purchase and use of environmentally preferable products and services. GPP requirements apply to all acquisitions using appropriated funds, including services and new requirements. FAR 23.404(b) applies and states the GPP requires 100% of EPA designated product purchase that are included in the Comprehensive Procurement Guidelines list that contains recovered materials, unless the item cannot be acquired: a) competitively within a reasonable timeframe; b) meet appropriate performance standards, or c) at a reasonable price. The prime contractor is responsible for ensuring that all subcontractors comply with this requirement.

#### 5. PRODUCT CONFORMANCE PROVISIONS.

The products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace, modified as necessary to comply with the requirements herein. The Government reserves the right to require proof of such conformance.

#### 6. PSME

Hard copy of Operators, Parts and Service Manuals will be provided. One hard copy is required per vehicle is required.



39. Ordering data for Trailers, Misc Commercial (Platform warehouse)

**TRAILER, PALLETIZED CARGO AM32H-6  
10,000-POUND CAPACITY  
NSN 3920004809774 CT**

The Contractor shall comply with all requirements of Military Specification MIL-T-38457B dated 23 Apr 1990 as hereby amended:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 3.5.1, Government loaned property – There will be no Government loaned property on this contract.
- Paragraph 3.8, Finishes and protective coatings - The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002.
- Paragraph 5, Packaging – The trailer shall be prepared for delivery in accordance with paragraph 5.1.2, Level C, standard commercial practice.
- Paragraph 6.1, Intended use - The A/M32H-6 trailer is intended for use in air freight terminals and in conjunction with a forklift for aircraft loading and unloading operations of 463L pallets weighing up to 10,000lbs.
- The trailer shall be equipped with:
  - Running gear – 12” diameter with solid rubber tires:
    - Swivel type front caster
    - Fixed rear casters
  - Parking brake – Foot operated lever that locks the brake against the wheel
    - Located on rear casters
    - Released by pulling the foot lever
  - Frame:
    - The top surface of the frame shall be fitted with 77, 3-inch casters that accept the pallet as it is pushed onto the trailer.
      - The casters are free swiveling (360 degrees) to permit alignment with the direction of pallet movement.
      - Casters are equipped with life time greased swivel ball bearings with rubber seals to protect the bearing from dirt.
      - The casters have a hard rubber covered wheel fitted with roller bearings.
  - Restraints – The trailer shall have four pallet restraints, one on each side of the frame. The pallet shall be prevented from rolling-off the trailer during trailer movement when all four (4) restraints are raised even under sudden impact.
    - The restraints shall be equipped with a lever and linkage for raising and lowering
    - The restraint shall elevate to 2-1/2 inches when raised

- The levers are on diagonal corners with front and right side restraint levers on front and rear; left side restraint operating lever on the left rear.
- Removable tow bar with lunette eye on the front end
  - Tow bar pins secured in a welded receptacle by spring pins
  - When tow bar is raised, the slotted plate shall ride down on the tow bar pins and locks the tow bar in the upright, raised position
- Pintle hook for movement by a tow vehicle in single or train fashion.
  - Mounted on the center rear of the frame
  - Fastened to the frame under the structure with four cap screws
  - Positioned under and inside the outer edge of the frame as not to protrude beyond the even contour of the trailer.
- Bumpers
  - Constructed of two-piece neoprene provided on each corner of the trailer
  - 3-inch bumpers extend 19 inches from each corner

Forklift entries - 4 inch by 12 inch opening on all four sides

Leading Particulars:

Weight Capacity – 10,000 lbs

Volume Capacity – 1ea 463L Cargo pallet HCU-6/E (88 inches by 108 inches) or  
2 ea HCU-12/E pallet (54 inches by 88 inches)

Length – 113-1/2 inches (115 inches total including bumpers)

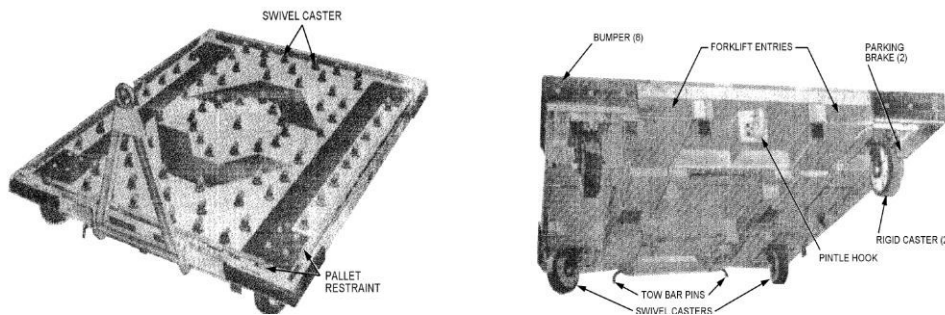
Width – 93-1/2 inches (95 inches total including bumpers)

Height (restraint down) – 18 inches

Weight with tow bar – 1,885 pounds

Tow bar size – 39 inches long by 29-3/4 inches wide

Maximum ramp angle – 15 degrees



40. Ordering data for Floodlight Assy (Lightcarts), 2 wheeled

LIGHT UNIT, PORTABLE, TF-2 LIGHTCART  
NSN 6230015267828

The Contractor shall comply with all requirements of MIL-PRF-32494, dated 18 Mar 2014 as hereby amended:

**Basic specifications and construction (Standard Equipment)**

- Paragraph 3.1, First article - Not required
- Paragraph 3.3.1.4, Finish - The color of the finished coat shall be Sherwin Williams paint color Sand Yellow, RAL #1002, RHS9 - 00002
- Paragraph 3.3.3.3, Item unique identification (IUID) – Not required
- Paragraph 3.4.1, Operating temperature range - From -6°C - 51°C (21.2°F - 123°F).
- Paragraph 3.4.2, Storage temperature range – From -6°C - 60°C (21.2°F - 140°F).
- Paragraph 3.4.3.2 & 3.4.3.3, Storage and operation during accretion of wet snow and ice is not applicable
- Paragraph 3.6.2, Air transportability – Certification is not required, air transportability features shall be provided.
- Paragraph 3.10.6.1, Engine operating fuels – Use of aircraft turbine fuels is not required.
- Paragraph 3.10.6.2, Engine emergency fuels – Use of Jet A, A1 is not required



Appendix 9. Paint Specifications

PAINT	SIR .NO	QUNT
WHITE MATT	4000	700-MI
OXIDE - XELOW	1110	170-MI
LEMON -YELOW	1620	70-MI
OXIDE - RED	1130	20-MI
ORANG	4310	10-MI
JET BLACK - NATT	9000M	30-MI
3GB8-EHCOLORE	RE	