

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTI ID CODE	PAGE OF PAGES 1 12
2. AMENDMENT/MODIFICATION NO. <b>502</b>		3. EFFECTIVE DATE <b>See Block 16C</b>	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)
6. ISSUED BY CODE <b>John F. Kennedy Space Center, NASA Procurement Office Kennedy Space Center, FL 32899</b>		7. ADMINISTERED BY (If other than Item 6) CODE <b>OPOS</b>			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) <b>Space Gateway Support, LLC 1980 N Atlantic Ave, Suite 330 Cocoa Beach, FL 32931</b>				9A. AMENDMENT OF SOLICITATION NO.	
<b>Original</b>				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS10-99001</b>	
				10B. DATED (SEE ITEM 13) <b>August 21, 1998</b>	
CODE	FACILITY CODE				
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
ACCOUNTING AND APPROPRIATION DATA (If required)					
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) Alt II (APR 1984)</b>					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>3</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
<p>The purpose of this no cost modification is to add Technical Exhibit (T.E.) 3.2.2-04, Preventative Maintenance and Inspection Intervals for PAFB/CCAFS Vehicles and Equipment. Contractor is required to comply with T.O. 36-1-191 &amp; AFI 23-302 for all government vehicles &amp; equipment assigned to the 45 SW and tenant organizations. These requirements are outlined in subject TE. The period of performance is 17 March 2008 through 30 September 2008.</p> <p>This change revises Attachment J-1, Statement of Work Paragraphs 3.2.2 – Vehicle/Railroad Operations and Maintenance, 3.2.2.2 – Vehicle Maintenance, Appendix A – Tailored Documents, Attachment J-5 - Technical Exhibit Listing, and adds Technical Exhibit (T.E.) 3.2.2-04, Preventative Maintenance and Inspection Intervals for PAFB/CCAFS Vehicles and Equipment as shown on the attached pages. All other terms and conditions of the contract remain unchanged.</p> <p>In consideration of the modification agreed to herein as complete equitable adjustment for the contractor's proposal for adjustment, the contractor hereby releases the government from any and all liability under this contract for further equitable adjustments attributable to such facts and circumstances giving rise to the proposal for adjustment.</p>					
Except as provided herein, all terms and conditions of the document referenced in Item 9a or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) <b>Victoria G. Lockard Director, Contracts</b>			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Ernest G. Tweedie Contracting Officer</b>		
15B. CONTRACTOR/OFFEROR <b>Victoria Lockard</b> (Signature of person authorized to sign)		15C. DATE SIGNED <b>10 Mar 08</b>	16B. UNITED STATES OF AMERICA <b>EG Tweedie</b> (Signature of Contracting Officer)		16C. DATE SIGNED <b>10 MAR 08</b>

- Maintain all certifications, endorsements, and function specific training requirements;
- Conduct Performance Oriented Package testing on packages to be used to transport HAZMAT by all modes of transportation for domestic and international shipments;
- Perform Non-Bulk Combination packaging tests, including Drop Test, Stacking Test, and Vibration Standard Test; and
- Counter-to-counter delivery of launch film shipments to designated location.

### **3.2.2 Vehicle/Railroad Operations and Maintenance**

The contractor shall provide vehicle operations and maintenance services as required to support KSC, CCAFS, and PAFB as described in J-5 Technical Exhibits 7.0-005, 3.2.2-02, **3.2.2-03 and 3.2.2-04**. Vehicle operations and maintenance services at both CCAFS and PAFB shall be provided by a vehicle operations and maintenance branch at each location. The vehicle operations branches shall have dispatch services that provide service IAW Technical Exhibit J5 3.2.2-03. The general purpose vehicle fleet can be GSA leased and maintained. Alternative Fuel Vehicle acquisitions shall follow schedule matrix in Technical Exhibit J5 3.2.2-01. The vehicle operations branch at KSC shall consist primarily of scheduled and unscheduled bus services. Vehicle maintenance shall be performed primarily in Hangar U, Building 1744, CCAFS, Buildings 313, 511, 676 PAFB, Building M6-486, KSC Industrial Area, and K6-1844, Locomotive Maintenance Facility. (Mod 470)(**Mod 502**)

#### **3.2.2.1 Vehicle Operations.** The contractor shall provide:

- Taxi and bus transportation service at CCAFS (Skid Strip), KSC (SLF), and PAFB (Flight line) to support air crews and passengers traveling either to or from aircraft that are arriving or departing to various destinations both on and off the installation;
- Scheduled shuttle route bus service to include pad support at KSC;
- Transportation services assigned by the NASA-KSC Transportation Office to meet scheduled and unscheduled events, unmanned launches, and center activity tours, shuttle launches/landings, and VIP tours;
- Bus services at CCAFS, and PAFB to support tours, launches, VIPs;
- Normal PAFB 8 vehicle U-Drive It fleet to consist of: Sedan (2), LD Minivan 7 Pax (2), LD Van 4x2 8 Pax (2), MD Pickup 6 Pax (1) and MD Covered Truck 1 Ton (1). (Mod 470)
- Dispatch services at KSC, CCAFS and PAFB;
- Dispatch data for upward required reports;
- Support for the Decontamination Team and the Base Disaster Preparedness Team; and
- Flight-line cargo service at CCAFS, KSC, and PAFB
- Perform annual entries into the Federal Automotive Statistical Tool (FAST) database; entries shall be submitted no later than 24 October of each year. (**Mod 232**) (**Mod 470**)

#### **3.2.2.2 Vehicle Maintenance.** The contractor shall provide maintenance at CCAFS, PAFB, and KSC for government vehicles and equipment. The contractor shall also:

- Maintain vehicles in safe and serviceable condition. PAFB vehicle repair actions performed in accordance with vehicle priority category in Tech Exhibit J5-3.2.2-03 ; (Mod 470)
- Perform recurring periodic maintenance and services in accordance with established inspection intervals, **standards, and Tech Exhibit J5-3.2.2-04. (Mod 502)**
- Maintain Air Force unregistered vehicles in safe and serviceable condition. Perform recurring periodic maintenance and services in accordance with commercial practices **and Tech Exhibit J5-3.2.2-04. Track vehicles in contractor maintained database. (Mod 502)**
- Collect and enter required maintenance data into the On-line Vehicle Integrated Management System (OLVIMS) and provide data for required reports at CCAFS and PAFB and **meet requirements of Tech Exhibit J5-3.2.2-04. (Mod 502)**
- Perform minor body repair on PAFB vehicles and equipment fleet. Minor body repair consists of but not limited too:
  - a. Replace: glass, seat, seat belts, seat covers, headliners, door panels, soft trim items, door/window hardware, window channels, dew wipes, and door seals. (Mod 470)
  - b. Adjust: Doors, windows and hinges (Mod 470)
    - c. Cut/apply stencil and markings as necessary. Minor dents and scratches not requiring paint booth application, shall be spot painted. (Mod 470)
- Perform body repair, corrosion control, rust proofing and painting on CCAFS and PAFB vehicle and equipment fleet. (Mod 470)

### **3.2.2.3 Locomotives and Railroad Facilities.** The contractor shall:

- Operate government-furnished locomotives to accomplish the movement of railcars on KSC tracks;
- Perform maintenance, repair, and modifications of government-furnished locomotives and railcars. All railcars and locomotives shall have semi-annual and annual preventive maintenance performed. Railcars that enter the KSC railroad and require repairs in accordance with the American Association of Railroads interchange rules shall also be repaired as required. Note: The contractor has no repair responsibility for government-owned railcars when operation is off KSC/CAAFS in interchange service; NASA will handle all such repairs in accordance with the Interchange Agreement of the American Association of Railroads (AAR). The contractor shall allow designated railcars to be used by other activities and organizations and shall ensure that such cars are properly maintained.
- Perform annual corrosion control of rails and fittings on all KSC Beachline tracks using spray application of an appropriate corrosion resisting material.

### **3.2.3 Laboratories**

The contractor shall perform the nondestructive evaluation of various kinds of hardware, standards and calibration services at KSC, calibration services at CCAFS and PAFB, sampling and analysis of waste and propellant commodities at KSC, sampling services

at CCAFS and PAFB, component cleaning and refurbishment services, and other related services, including the following:

- Permeability and compatibility studies of materials used in conjunction with hypergolic fluids;
- Developmental and sustaining engineering support in the science of hypergolic Toxic Vapor Detectors (TVDs);
- Sustaining engineering services for existing non-CFC (chlorofluorocarbons) cleaning and verification processes; and
- Development and maintenance of capabilities manuals for all laboratories

Laboratory services are provided to the following, with exceptions noted below for SPOC, CAPPS, and ISS: **(Mod 402)**

**APPENDIX A – TAILORED DOCUMENTS**

<b>SOW Paragraph</b>	<b>Document Number or Description</b>	<b>Document Title</b>	<b>Description of Tailoring to be Performed</b>
3.1.1.9	NFPA 10	Portable Fire Extinguishers	The Fire Department will use this as a tailorable document to ensure that all extinguishers at KSC, CCAFS, and the Florida Annexes are inspected to ensure operability and have maintenance performed to ensure reliability.
3.1.1.14	29 CFR 1910.120	Hazardous Waste Operations and Emergency Response	This document will be used to ensure compliance with OSHA regulations pertaining to entry into a structure or area to perform rescue services for IDLH atmospheres.
3.2.1	AFI 32-7086	Hazardous Material Management	Chapter 1: Retain Chapter 1, Paragraph 1.1.2.2. only- Describes the HMMP Team Composition. JBOSC currently supports this.  Chapter 2: Retain Chapter 2, <b>except</b> , 2.1(All), 2.2.5, 2.2.6, 2.3(All), 2.4(All), 2.5(All),2.6.1 (All), 2.6.2 (All),2.6.3 (All), 2.6.4 (All),2.6.5.2, 2.6.5.5, 2.6.5.6, 2.6.6. (All), 2.6.7 (All), 2.6.8.4, 2.6.8.5,2.6.8.6, 2.6.8.7, 2.6.8.8, "AF Form 55" from 2.6.8.9, 2.6.8.10, 2.6.9 (All), 2.6.10 (All), 2.6.7 (All)  Chapter 3: Delete  Chapter 4: Retain Chapter 4; <b>include only</b> , 4.1, 4.2.1, 4.2.3, 4.8.3
3.2.2	AFI 24-301(T)	Vehicle Operations	DELETED (Mod 410)
<b>3.2.2</b>	<b>AFI 23-302</b>	<b>Vehicle Management</b>	<b>Comply with provisions as defined in Technical Exhibit J5-3.2.2-04 (Mod 502)</b>
<b>3.2.2</b>	<b>T.O. 36-1-191</b>	<b>Technical and Managerial Reference for Motor Vehicle Maintenance</b>	<b>Comply with provisions as defined in Technical Exhibit J5-3.2.2-04 (Mod 502)</b>

## TECHNICAL EXHIBIT LISTING

WBS	Document Number	Rev. Date	Document Name	Mod Number
2.3	J-BOSC Tech Exhibit 2.3-01	12/06	Completed-One-Time Special Projects for Customers	398
2.3	J-BOSC Tech Exhibit 2.3-02	04/05	Security Support for New Horizon Mission	280
2.3	J-BOSC Tech Exhibit 2.3-03	01/05	Health Physics Services Support for New Horizon Mission	280
2.3	J-BOSC Tech Exhibit 7.0-127	05/02	CCAFS Water Backflow Prevention Devices	205
3.1.1.15	J-BOSC Tech Exhibit 3.1.1.15-01	09/03	Technical Rescue for Heritage Program	232
3.1.2	J-BOSC Tech Exhibit 3.1.2-01	7/03	KSC Realignment of Security Posture for FY04-08	239
3.1.2	J-BOSC Tech Exhibit 3.1.2-02	7/03	45SW/ CCAFS Realignment of Security Posture FY04-FY08	239
3.1.2	J-BOSC Tech Exhibit 3.1.2-03	02/06	Baseline Realignment Security Posture Table FY04-08	318
3.1.2.7-01	J-BOSC Tech Exhibit 3.1.2.7-01	12/06	NCIC FBI Information System Security Addendum	406
3.1.2.8-01	J-BOSC Tech Exhibit 3.1.2.8-01	09/07	Sensitive But Unclassified (SBU) Controlled Information	451
3.1.2.9	J-BOSC Tech Exhibit 7.0-007	01/07	NASA Computer Systems, Application and Database (TRAC Application)	412
3.1.2.10-01	J-BOSC Tech Exhibit 3.1.2.10-01	11/05	Security Police Special Duty Position Criteria	323
3.2.1	J-BOSC Tech Exhibit 7.0-001	05/06	NASA Supply Customer Support Matrix	398 (CCR 06-24)
3.2.1.2	J-BOSC Tech Exhibit 7.0-007	01/07	NASA Computer Systems, Application and Database (KSC Records Management System (IM03))	412
3.2.2	J-BOSC Tech Exhibit 7.0-005	10/97	NASA Transportation Customer Support Matrix	205
3.2.2	J-BOSC Tech Exhibit 3.2.2-01	03/05	Alternate Fuel Vehicles Procurement Schedule	287 & 288
3.2.2	J-BOSC Tech Exhibit 3.2.2-02	05/05	Air Force Vehicle Turn-over	287
3.2.2	J-BOSC Tech Exhibit 3.2.2-03	09/06	Vehicle Operations and Maintenance (VOM) Services	470
<b>3.2.2</b>	<b>J-BOSC Tech Exhibit 3.2.2-04</b>	<b>02/08</b>	<b>Preventative Maintenance and Inspection Intervals for PAFB/CCAFS Vehicles and Equipment</b>	<b>502</b>
3.2.3.2	J-BOSC Tech Exhibit J5-3.2.3.2-01	10/04	Special Calibrations Support	348 (CCR 04-36)
3.2.3.2	J-BOSC Tech Exhibit 7.0-113	10/03	Precision Measurement Equipment Laboratory (PMEL)	232
3.2.4	J-BOSC Tech Exhibit 7.0-021	10/97	Types of Propellants	205
3.2.4	J-BOSC Tech Exhibit 3.2.4-01	03/05	Self Contained Atmospheric Protective Ensemble (SCAPE) Suits	279
3.3	J-BOSC Tech Exhibit 7.0-007	01/07	NASA Computer Systems, Application and Database	412
3.3.1.1	J-BOSC Tech Exhibit 2.1.1-01	12/99	NASA/KSC Informational Technology/Geographical Information System/Application Development	205
3.4.1.4	J-BOSC Tech Exhibit 3-3.4.1.4-01	2/07	Support to All ELV Missions and the NASA Portal Web Site	400
3.4.4	J-BOSC Tech Exhibit 7.0-074	08/02	KSC Area Access Familiarization Video Training Provided to USAF	205

## Preventative Maintenance and Inspection Intervals for PAFB/CCAFS Vehicles and Equipment

1. The Contractor will comply with the following provisions of T.O. 36-1-191 and AFI 23-302 for Government all vehicles and equipment assigned to the 45 SW and tenant organizations. Vehicles and equipment serviced after 1 March, 2008 shall comply with the revised maintenance, inspections, documentation, and reporting as detailed below.
2. An interim change to T.O. 36-1-191 updated Table 3-1, mandating PM&I intervals of 18-months, and Table 3-2, extending applicable concurrent inspections from 18 to 36-months. A mass update of the OLVIMS database will be performed to implement the new intervals.

T.O. 36-1-191, Table 3-1 Vehicle and Equipment Inspection and Service Intervals

TYPE EQUIPMENT/INSPECTION/ TEST	TYPE INSPECTION/INTERVAL			
	Operator Inspection (Reference para 3.5)	Daily/Weekly	Preventative Maintenance Inspection – PM&I Reference para 3.6, 3.7, 3.8.	Vehicle Condition Inspection (Reference para 3.9)
1. General Purpose Vehicles	At least monthly, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4) Ambulance stretcher hangars (See note 3)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document
2. Firefighting Vehicles	Daily when used and weekly when not used, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document
3. Fuel Servicing Vehicles – Hose Cart	Daily when used and weekly when not used, use Operator Inspection Guide  See Note 2	Visual Tire Inspection (Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document

T.O. 36-1-191, Table 3-1 Vehicle and Equipment Inspection and Service Intervals (cont)

TYPE EQUIPMENT/INPSECTION/ TEST	TYPE INSPECTION/INTERVAL			
	Operator Inspection (Reference para 3.5)	Daily/Weekly (Reference para 3.5)	Preventive Maintenance Inspection – PM&I Reference para 3.6, 3.7, 3.8.	Vehicle Condition Inspection
<p>4. Special Purpose Vehicles (deicers, tow tractor, high reach, missile handling, high lift, etc)</p> <ul style="list-style-type: none"> <li>• Schedule by hours, if equipped with hour meter</li> <li>• Schedule by miles if equipped with speedometer</li> </ul>	At least monthly, use Operator Inspection Guide	Visual Tire Inspection(Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document
5. Material Handling (MHE) and 463L Equipment	Daily when used and weekly when not used, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document
6. Base Maintenance Vehicles/Equipment	At least monthly, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document
7. Other powered equipment for which vehicle management has primary responsibility (see AFI 23-302	At least monthly, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document

T.O. 36-1-191, Table 3-1 Vehicle and Equipment Inspection and Service Intervals (cont)

TYPE EQUIPMENT/INPSECTION/TEST	TYPE INSPECTION/INTERVAL			
	Operator Inspection  (Reference para 3.5)	Daily/Weekly  (Reference para 3.5)	Preventive Maintenance Inspection – PM&I Reference para 3.6, 3.7, 3.8.	Vehicle Condition Inspection
8. Trailers, semi-trailers and other non-powered equipment for which vehicle management has primary responsibility (see AFI 23-302)	At least monthly, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4)	18 months (Reference Paragraph 3.13.2)	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document
9. Natural Gas Vehicles (NGV) operating on: Compressed Natural Gas (CNG) including Bi-fuel (either gasoline and CNG), dedicated CNG or Dual-fuel (mixture of diesel/CNG).	At least monthly, use Operator Inspection Guide	Visual Tire Inspection (Chapter 4)	18 months or 500 hours/7,500 miles/12,000 kilometers, whichever comes first	Every time a vehicle enters the shop or 12 months, whichever comes first. Use AF Form 4355, Vehicle Incoming Inspection, to document

Note 1 Vehicles in storage will be inspected and serviced according to T.O. 36-1-191, CHAPTER 8. VFM may waive Preventative Maintenance and Inspections on these vehicles as prescribed in this technical order.

Note 2 Operators will remove, inspect, and clean nozzle strainers every 30 days. Nozzle strainers will be replaced as required. This inspection will be entered manually on AF Form 1807. Use reverse side of forms if necessary.

Note 3 Medical personnel/vehicle operators will ensure ceiling stretcher hangers are operating correctly daily and prior to use.

Note 4 IAW 36M2-3-35-12, Table 1, TUNNER 60K loaders will have a periodic inspection performed at 250 hours or 6 months, whichever comes first. Annual periodic inspections will be performed annually or at 1,000 hours, whichever comes first.

Note 5 Tire pressures will be checked, adjusted, and documented by vehicle/equipment operators on the appropriate 1800 series form NLT the 10th day of the month using T.O. 36-1-191, Chapter 4, para 4.23.1.4 as a guide.

T.O. 36-1-191, Table 3-2. Special Preventative Inspection/Tests

Type Inspection/Test	Intervals -Special Instructions-Reference
1. Quinquennial Testing of Cryogenics Fuel Trailers/Tube Bank Trailers.	Every 5 years (reference Paragraph 3.10.2.4). Perform hydrostatic tests (reference TO 42B5-1-2).
2. Fuel Servicing Vehicle Requirements. a. Water Segregators b. Replace filter/separator elements. c. Perform tank inspection	Clean and service every 3 years or when filter elements are changed. (Reference Paragraph 3.10.2.2.) Change in accordance with TO 37A-1-101. External Inspections will be performed annually and Internal Inspections will be performed every 3 years IAW end item technical manual. NOTE: The preferred method of completing this inspection is to use a Bore Scope to eliminate personnel from entering the tank.
3. Clean, inspect (replace as required), and Repack Wheel Bearings, Check Brake Shoes, Wheel Cylinders/Calipers, Rotors, and Drums.	Every 3 years, 36,000 miles, 57,900 kilometers, or 2400 hours on all vehicles or more frequently if local law or operator conditions so warrant. Trailers/semi-trailers with packed wheel bearings will be repacked every 3 years.
4. Weight testing requirements for truck and crawler-mounted cranes.	Test loads (reference Paragraph 3.10.5.1 of this TO and AFOSHSTD 91-46 paragraph 8.2.6.2). NOTE: Notify user that weight tests are required when major maintenance is performed on lifting devices.
5. Dielectric test on cranes and high reach vehicles equipped with insulated booms, lift platforms, etc.	Semi-annual or when insulated booms or aerial platforms are serviced or repaired (reference Paragraph 3.10.5.2.2 of this TO and 36C-1-4).
6. Crane/High reach boom, hook and all associated equipment.	Boom, hooks, and associated equipment will receive complete inspections at intervals IAW AFOSHSTD 91-46 (paragraph 8.2.4 and 8.2.5 for specific guidance), or as directed or recommended by manufacturer, whichever is most stringent. The VFM will determine if and when overhaul is necessary (reference Paragraph 3.10.5.1.1).
7. Hydraulic Systems (Special Purpose Assemblies).	Every 3 years or 3,600 hours (whichever occurs first) hydraulic fluid shall be changed.
8. Spark arrestors.	In conjunction with PM&I.
9. 5th wheel wedges and bolt checks.	In conjunction with PM&I.
10. Spark check for aircraft refueling vehicle and other vehicles/equipment designated for concurrent refueling operation.	In conjunction with PM&I.
11. Bulk fuel cargo tank vapor recovery systems.	Comply with local, state, and host country.
12. Repack wheel bearings, Oshkosh R-11 (NOTE: Use of oil instead of grease is optional)	In conjunction with PM&I.
13. Forklift Tines/Carriage Mounting	- Perform visual inspection of forklift tines at least annually. Remove forklifts from service and replace tines when cracked, bent, or significantly damaged. - Inspect carriage lock plate mounting bolts for tightness
14. Emission Systems	In conjunction with PM&I, unless required more frequently by host nation or local laws (reference Paragraph 3.10.8).
15. On-Board Cabin Filter Inspection	In conjunction with PM&I.

16. Automatic Transmission Filter Inspection	Every 3 years.
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3. The On-Line Vehicle Interactive Management System (OLVIMS) will be updated to reflect the revised Preventative Maintenance & Inspection (PM&I) intervals. The steps below outline the basic process to update PM&I intervals in OLVIMS. Detailed instructions on how to perform these updates can be found on the internet at the following address: [https://wwwd.my.af.mil/afknprod/Database/oo-1g-af-66/training/pmi/PMI\\_skin.swf](https://wwwd.my.af.mil/afknprod/Database/oo-1g-af-66/training/pmi/PMI_skin.swf)

### **18-Month PM&I OLVIMS Implementation**

This is a four step tutorial that guides you through the implementation process. Below is a description/purpose of each step, these steps facilitate updating OLVIMS to the 18-month intervals. It is imperative to follow the steps in order:

#### ***Step 1-Schedule Maintenance Plan***

**Perform Schedule Maintenance Plan.** This will balance your workload factoring in the 18-month intervals, align 36-month concurrent inspections in conjunction with the 18-month PM&I and establishes the next PM&I due dates for each vehicle in your fleet.

#### ***Step 2-OLVIMS "BS" Transaction***

**Perform "BS" Transaction.** Updates schedule maintenance categories and will be used to delete the 12-month annual requirement (34AB) to the new standards under scheduled LOF system code (34AA).

#### ***Step 3-OLVIMS "BC" Transaction.***

**Perform "BC" Transaction.** Updates concurrent inspection definitions and interval codes. All inspections assigned to code-4, "performed every annual inspection (system code 34AB)", will be changed to code-3, "performed every scheduled LOF (system code 34AA)".

#### ***Step 4-OLVIMS "BZ" Transaction***

**Perform "BZ" Transaction.** Updates schedule maintenance criteria and appointment dates for a single vehicle. This will delete the old 12-month annual/MHK due dates/MHK and replaced respectfully using the 18-month PM&I and 36-month concurrent inspection intervals.

4. This section explains how to document the DoD 12-month safety inspecting using AF Form 4355 and how to track all vehicles for DoD compliance. Use of the AF Form 4355, Vehicle Incoming Inspection Checklist is now mandatory when an AF Form 1823 is processed. Use of the AF Form 4354, Preventive Maintenance and Inspection Checklist is also mandatory. Both forms replace MAJCOM and locally developed incoming inspection guides. An AF Form 4355 will be completed for all required vehicles/equipment on a schedule which will facilitate 100% compliance with DoD 4500.36-R by 1 March, 2009.

#### **DoD 4500.36-R, 12-month safety inspection Documentation/Validation**

AFI 23-302, para. 1.11. Instructs the use of AF Form 4355, *Vehicle Incoming Inspection*, for all vehicle incoming inspections. This form also satisfies DoD 4500.36-R, which requires each vehicle to be inspected for safe operability once in a 12-month period. Information below describes how AF Form 4355 will be used to ensure DoD 4500.36-R compliance.

#### ***Documentation***

**Documenting the incoming inspections for compliance with the DoD 12-month safety inspection.** AF Form 4355, *Vehicle Incoming Inspection*, in concert with AF Form 1823/1823-1, (computer generated) *Vehicle and Equipment Work Order*, will be used to document a vehicle's incoming inspection. The mechanics name, man number and inspection items annotated on AF Form 4355 and AF Form 1823/1823-1 authenticates the incoming and DoD qualifying inspection were performed.

#### ***Compliance Validation***

**Validation of DoD 4500.36-R compliance IAW AFI 24-302 para. 4.2.11.** Bases will forward their quarterly file to the parent MAJCOM, as required quarterly. MAJCOMs will consolidate quarterlies and forward to AF Vehicle Management

By 21 September of each year AFELM VEMSO will run an annual safety report for the Air Force Vehicle Fleet. The report will depict each registration number that has not had an AF Form 1823 processed within the past year. They will also provide an updated list quarterly to support unit follow up actions throughout the year. An aggressive program will minimize overdue actions and prevent non-compliance.

The workbook lists MAJCOM, OLVIMS Base/Site Code, vehicle registration number, Base, and Unit details. MAJCOMs will distribute the annual safety report and quarterly update workbooks to their respective bases for compliance action. Each base will validate that an AF Form 4355 has been performed via processing an AF Form 1823 for the vehicles listed or will schedule them for completion via mobile maintenance or shop visit.