

## APPENDIX C - SAFETY

Safety and Health Requirements for:

**PR/Contract/Project#:** \_\_\_\_\_

**Date:** DD MMM YY

**Type Work:** \_\_\_\_\_

### PART I

**Instructions:** The contractor Safety and Health Plan (required in accordance with [AFI 91-202](#), [AFMC Sup 1](#)) shall address in detail the items listed in Parts II and III, **as applicable**.

**Repeating the referenced standard without addressing the company's specific processes or procedures will not suffice.** If task specific procedures are incorporated into a company local document, those procedures must be attached to the submitted Safety and Health Plan.

Referencing the company's local procedure/document in the Safety and Health Plan is not adequate. If the company's local procedure/document is not attached, the submitted Safety Plan will be returned unacceptable. **RATIONALE: If not attached, then how do we know what they are?**

### PART II

**1. Environmental, Safety, And Occupational Health (ESOH):** The contractor is solely responsible for compliance with all federal, state and local laws, the Occupational, Safety and Health Act (Public Law 91-596) and the resulting standards, [OSHA Standards 29 CFR 1910 and 1926](#), as applicable, and the protection of their employees. Additionally, the contractor is responsible for the safety and health of all subcontractor employees.

**2. Contractor Employees:** Compliance with OSHA and other applicable laws and regulations for the protection of contractor employees is exclusively the obligation of the contractor. **Note:** [The Air Force Consolidated Occupational Safety Instruction \(AFI 91-203\)](#) is frequently annotated because many of the Air Force Standards exceed the OSHA standard criteria. If a conflict is noted, the most stringent requirement takes precedence. The government shall assume no liability or responsibility for the contractor's compliance or non-compliance with such requirements. The contractor shall furnish to each of his/her employees a place of employment, which is free from recognized hazards. The contractor shall brief his/her employees on the safety requirements of this contract and on hazards associated with prescribed tasks. In addition, the contractor is required to flow down the safety requirements/specification to all subcontractors. This applies to [Federal Acquisition Regulation \(FAR\) Part 12](#) commercial acquisitions as well. This contract shall in no way require persons to work in surroundings or under working conditions which are unsafe or dangerous to their health. The contractor must coordinate and perform work so as not to impact the safety of government employees or cause damage to government property. This requires providing personnel with protective equipment and associated safety equipment as may be necessary. The contractor must also protect personnel from hazards generated by the work. If the contractor employs bilingual speaking

employees, they must post bilingual signs and have written procedures for specific tasks in applicable languages.

**3. Inspections:** Air Force Environmental, Safety, Occupational Health and Fire protection officials or responsible Quality Assurance Evaluator (QAE) may periodically enter a contractor's workplace to verify working conditions of Air Force personnel. If an Air Force employee observes improper procedures or unsafe conditions which place Air Force personnel or equipment/facilities in jeopardy, the contractor will remove personnel and/or equipment from the unsafe condition and immediately notify, via the Defense Contract Management Agency (DCMA) representative or the Contracting Officer, who will, in turn, notify the contracting unit's Safety Office.

**4. Mishap Notification:** The contractor shall notify the DCMA representative of all mishaps or incidents for damage to DoD property (material plus labor) entrusted by this contract and employee injuries as a result of the contract operation. DCMA will notify the contracting unit's Safety Office telephonically at 937-255-3395 (Aviation Safety) or 937-255-1988 (Ground Safety) during duty hours and 937-257-6314, AFMC Command Center after hours and ask for the AFLCMC/SE Director of Safety within four (4) business hours after initial notification. A follow-up (written or e-mail) of this mishap/incident notification shall be sent within three calendar days to the Government Representative, the Procurement Contracting Officer (PCO) or the Administrative Contracting Officer (ACO) (with a copy to program manager), who will forward it to the contracting unit's Safety Office ([AFLCMC.SE@us.af.mil](mailto:AFLCMC.SE@us.af.mil)). The information that is not available at the time of the initial notification shall be provided within 20 calendar days after the mishap. Mishap notification shall contain, as a minimum, the following information:

- a. Contract, Contract Number, Name and Title of Person(s) Reporting
- b. Date, Time and exact location of accident/incident
- c. Brief Narrative of accident/incident (Events leading to accident/incident)
- d. Cause of accident/incident, if known
- e. Estimated cost of accident/incident (material and labor to repair/replace)
- f. Impound Authority Name and Phone Number (as applicable)
- g. Nomenclature of equipment and personnel involved in accident/incident
- h. Corrective actions (taken or proposed)
- i. Other pertinent information

**Note:** If requested by Government Personnel (PCO/ACO), the contractor shall immediately secure the mishap scene/damaged property and impound pertinent maintenance and training records, until released by the investigating safety office. If the government investigates the mishap, the contractor and the subcontractors shall cooperate fully and assist the government personnel until the investigation is finalized and closed out.

**5. Impoundment Procedures:** The contractor shall establish written impoundment procedures, as part of their Safety and Health Plan. Impound data must be included in the Mishap Notification Procedures as applicable. As a minimum, the procedures must address:

- a. Appointment of Impound Authority in writing (copy faxed to QAP and Safety Office)
- b. Impound Authority e-mail address and phone numbers
- c. Specific instructions (cordon, facility locked facility, etc.) to secure the site or government asset, to prevent tampering with the aircraft, site or government assets
- d. Specific instructions or measures to ensure only authorized personnel directly involved in management, SAFING, troubleshooting, or repair of aircraft or equipment gain access to the impound site
- e. Additional guidance is located within [AFI 21-101, AFMC Supplement 1](#)

**6. Contractor Safety and Health Program:** The contractor shall establish and maintain an acceptable safety and health program.

a. **Contractor Safety and Health Manager.** As part of the Contractor Safety and Health Program, the contractor shall assign in their plan, by name and phone number, a person who will be the primary point of contact for safety and health issues for the on-site operation.

b. **Contractor's Safety and Health Plan.** Contractor shall prepare a safety and health plan in accordance with **PART I, PART II, and PART III**, incorporating the listed elements **in PART II** and addressing in detail, as applicable, the items below **in PART III of this Appendix**.

(1) **Government acceptance.** The plan must be accepted by the government and will be incorporated into the awarded contract. Should a master safety and health plan remain on file with the contracting unit's Safety Office, the contractor must ensure that it is current, updated, and includes all elements below. An addendum to the plan must include the processes noted below:

(2) **Changes to the Plan.** If, during the performance of this contract, changes to the contractor's Safety and Health Plan are required, the contractor shall submit a revised Safety and Health Plan to the Contracting Monitor and/or Contracting Officer's Representative (COR). The same process of review and negotiation (if applicable) involved in the original submission applies to any revision submitted after contract award. The accepted revised Safety and Health Plan shall then be incorporated by contract modification as an attachment or by reference.

### **PART III**

The following items represent a list of required elements, **as applicable**, for the performance of this contract. The contractor's safety and health plan **shall** address how compliance with these requirements will be ensured. The safety plan **shall** clearly define company procedures on specific tasks/processes, personnel qualifications, how facilities comply with fire requirements to include the electrical wiring and fire protection systems installed (i.e., fire suppression, fire detection, fire extinguishers, firewall ratings, etc.), required equipment used to accomplish tasks and other necessary requirements to ensure the protection of government personnel and property. The contractor's safety and health plan **shall** meet, but may exceed the referenced standards.

## GENERAL – PEOPLE

**NOTE: These grey bars are to aid in navigation; delete when not needed.  
Taylor the following paragraphs as required for your program:  
(for example if for a screwdriver, then you can delete most of these)**

**1. Pedestrian Crosswalks:** All contractor personnel are required to use the closest crosswalk, or traffic controlled intersection when crossing the road. Pedestrians must look both ways to ensure the coast is clear before stepping out into the crosswalk. Pedestrians **do not** have the right of way unless they are already in the crosswalk. Contractor vehicle operators have the same responsibilities as pedestrians, to share the road and mutually observe and yield to pedestrians.

**2. Walking/Working Surfaces:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart D](#) and [NFPA 101-2015, Life Safety Code](#). All interior walking and working surfaces which are part of the means of egress shall **remain clear at all times** and comply with the requirements of [NFPA 101-2015, Life Safety Code](#). Floors shall be kept in good condition and free of defects that can endanger workers or interfere with the handling of materials. Housekeeping – methods and controls are in place to minimize tripping hazards, the accumulation of flammable/combustible materials, etc. Portable metal ladders – methods and controls are in place to ensure inspection and safe use. Open-sided floors/platforms/runways must be protected and not left uncovered to prevent injury.

**3. Housekeeping:** Housekeeping shall be conducted according to the requirements in OSHA Standard [29 CFR 1910.141](#). **Clean as you go** will be enforced. Refuse, trash, and debris will be collected daily and not left on site to prevent hazards during high winds and inclement weather.

**4. Confined Space Program Elements:** Contractor shall comply with the standards in: [29 CFR 1910.120, 146](#) and [29 CFR 1926.21 and 353](#); and [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 24 Jul 17, chapter 23. A confined space must meet the following three criteria:

- (1) Is large enough and so configured that an employee can bodily enter and perform assigned work; and
- (2) has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry.);and
- (3) is not designed for continuous employee occupancy. **Examples:** underground vaults, tanks, storage bins, manholes, pits, silos, process vessels, and pipelines.

Contractor's Safety Plan shall address:

- Hazards of confined space
- Permit and Non-permit confined spaces
- Responsibilities of management, entry supervisor, authorized entrant, and authorized attendants
- Training requirements

- Permit handling and approval
- Emergency and rescue plans
- Testing and monitoring requirements
- Special hazards
- Posting requirements (applicable to subcontractor operated facilities)

**5. Personal Protective Equipment:** Contractor shall comply with the standards in: [29 CFR 1910.132, 134, 136, Subpart I](#) and [29 CFR 1926.28, 95, 100, 101, 102, and 951](#). Personnel protective equipment is required to be worn when employees are exposed to a potential hazard, working overhead, falling objects, etc. Contractor's Safety Plan shall also address:

- Eye and face protection
- Head protection
- Foot Protection
- Electrical protective equipment
- Hand protection
- Safety harnesses, life lines, and lanyards

**6. Respiratory Protection Program Elements:** Contractor shall comply with the standards in: [29 CFR 1910.134](#) and [29 CFR 1926.134](#). Respirators are required to be worn if employees are exposed to inhalation hazard. Contractor's Safety Plan shall also address:

- Training
- Medical evaluation
- Fit tests
- Selection of respiratory equipment
- Storage of respiratory equipment
- Pre-use checks

**7. Hearing Conservation Program Elements:** Contractor shall comply with the standards in: [29 CFR 1910.95](#) and [29 CFR 1926.52](#). **Note:** Noise exposures are based on ACGIH guidelines of 85 dB TWA. Contractor's Safety Plan shall also address:

- Monitoring (survey of noise producing equipment)
- Audiometric testing
- Hearing Protectors
- Training
- Recordkeeping/Access to information and training material

**8. Medical and First Aid:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart K](#) and [29 CFR 1926, Subpart C](#). Contractor's Safety Plan shall also address:

- Adequate first aid supplies
- Trained employee to render first aid
- Recordkeeping
- Reporting and investigating accidents/incidents

- Off-site physician(s)
- Maintenance of and employee access to exposure monitoring data and medical records

## ENVIRONMENTAL

**9. Toxic and Hazardous Substances:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart Z](#) and [29 CFR 1926, Subpart Z](#). Contractor's Safety Plan shall also address a section related to working with toxic and hazardous substances, such as asbestos, benzene, lead, and styrene, where the following areas are addressed:

- Threshold Limit Values (TLV)-Exposure monitoring
- Medical surveillance
- Work practices
- Engineering controls
- Respiratory protection
- Protective clothing (PPE)

**10. Hazardous Waste Operations:** Contractor shall comply with the standards in: [29 CFR 1910.120](#) and [29 CFR 1926.65](#). Contractor's Safety Plan shall also address:

- Emergency Response Plan
- Personal Protective Equipment
- Medical Surveillance
- Health and Safety Plan (HASP– required elements have been incorporated)
- Employee Training

**11. Hazardous Materials:** Contractor shall comply with the standards in: [29 CFR 1910.120, Subpart H –Hazardous Materials](#) (chemicals, compressed air, acetylene, etc.). When handling the hazardous material the following must be accomplished: Compressed gases – training, handling, storage, use, and PPE; flammable and combustible liquids – training, handling, storage use, and PPE. Contractor's Safety Plan shall also address:

- Training, handling, storage, use and PPE
- Explosives and blasting agents
- Dipping and coating operations

**12. Hazardous Communications:** Contractor shall comply with the standards in: [29 CFR 1910.1200](#) . Contractor's Safety Plan shall also address:

- Written Program-list of hazardous chemicals
- Identify the hazardous chemical(s) - labeling system
- MSDS data sheet location
- Employee information and training-methods used to inform employees of the hazards, and precautionary measures

**13. Welding, Cutting and Brazing:** Contractor shall comply with the standards in: [29 CFR 1910.251 thru 255](#) and [29 CFR 1926.102\(b\), 153, 453\(b\)](#), [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 27; [NFPA 410, Standard on Aircraft Maintenance, 2015 Edition](#), and [NFPA 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work](#), 2014 Edition. Contractor's Safety Plan shall also address:

- Welding Permit Required from Fire Department
- Training/worker knowledge
- Equipment inspections, service, and use
- Fire protection and prevention
- Protective equipment & welding shields
- Health protection (PPE)
- Ventilation
- Cylinders and containers
- Cylinder storage

**14. Batteries:** Contractor shall comply with the standards for battery servicing in accordance with OSHA Standard [29 CFR 1910.178](#), [29 CFR 1910.305](#); and site specific applicable aircraft T.O.s.

#### GENERAL - EQUIPMENT

**15. Motor Vehicles:** Contractor shall comply with the standards in: [DoD Directive 5525.4, Enforcement of State Traffic Laws on DoD Installations](#)", 21 Nov 81, change 1 - Oct 89, paragraphs 3-4; [DoDI 6055.4, DoD Traffic Safety Program](#), 20 Apr 09, change 2 - 23 Jan 13; [AFI 91-207, USAF Traffic Safety Program](#), 16 Feb 17; and [AFI 91-207, AFMC Sup 1](#), 11 Feb 14. Each applies to all persons at any time on an Air Force installation and includes all leased, owned, or privatized property including housing areas. In addition, [AFI 13-213, Airfield Driving](#), 1 Jun 11, change 1 - 30 Jun 15, paragraph 2.8, and applicable local guidance applies to all contractors, sub-contractors, vendors, commercial delivery companies, and all other private business vehicles who operate anywhere on an Air Force installation, including the airfield (to include the industrial areas and any buildings or hangars located upon the airfield) in support of their mission. **Note:** Installation commanders of all DoD installations in the United States and over which the United States has exclusive or concurrent legislative jurisdiction are delegated the authority to establish additional vehicular and pedestrian traffic rules and regulations for their installations. All persons on a military installation shall comply with locally established vehicular and pedestrian traffic rules and regulations. A person found guilty of violating, on a military installation, any State vehicular or pedestrian traffic law or local [DoDI 5525.4](#), paragraph 3 – 4 instruction: Pursuant to the authority established in Enclosure 1, installation vehicular or pedestrian traffic rule or regulation made applicable to the installation under the provisions of this directive is subject to a fine of not more than \$50 or imprisonment for not more than 30 days, or both, for each violation ([40 U.S.C., Section 318c](#); Public Buildings, Property and Works, Section on Penalties, effective 22 Jan 02).

**16. System Modification which Alters Form, Fit or Function:** Contractor shall comply with: [Mil Standard 882E, Standard Practice for System Safety](#), 11 May 2012; and [AFI 63-131](#),

Modification Program Management, 30 Jan 15, for system modifications, which alter form, fit, or function.

**17. General Environmental Controls:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart G](#), [29 CFR 1910, Subpart J](#) and [29 CFR 1926, Subpart D](#). Contractor's Safety Plan shall also address:

- Sanitation-toilet and washing facilities
- Accident prevention signs and tags

#### MATERIAL RELATED

**18. Materials Handling and Storage:** Contractor shall comply with the standards in: [29 CFR 1926.250, 953, 957](#) and [29 CFR 1910.101, Subparts F, H & N](#); and [29 CFR 1910.178, Powered Industrial Truck](#). Contractor's Safety Plan shall also address:

- Storage and handling of materials
- Disposal of trash from elevations
- Personnel lifting techniques--proper storage to prevent shifting, for stability, etc.
- Rigging (requirements, inspection, components, and qualifications)
- Equipment (use in handling materials)
- Industrial trucks (training, inspection, maintenance, and safe use)

**19. Machinery and Machine Guarding:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart O](#). Contractor's Safety Plan shall also address:

- Control of rotating parts, flying chips, and sparks
- Inspection
- Maintenance

**20. Hand and Portable Powered Tools and other Hand-Held Equipment:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart P](#) and [29 CFR 1926, Subpart I](#). Contractor's Safety Plan shall also address:

- Inspection
- Proper use
- Guarding
- Maintenance
- Control of rotating parts, flying chips, and sparks

**21. Painting and Paint Removal:** Painting and paint removal shall be accomplished according to: T.O. 1-1-8 *Application and Removal of Organic Coatings, Aerospace and Non-aerospace Equipment*, 12 Jan 10, change 21 - 24 Aug 17; [NFPA 33, Spray Application Using Flammable or Combustible Materials](#), 2016 Edition; and [NFPA 410, Aircraft Maintenance](#) 2015 Edition.

**22. Cleaning/Corrosion Control for Avionics and Electronics:** Corrosion removal and treatment shall be conducted according to: T.O. 1-1-689-3, *Cleaning and Corrosion Control Volume III Avionics and Electronics*, 15 Jan 16.

#### AIR & LIQUIDS

**23. Handling, Storage, and Use of Flammable/Combustible Liquids:** Contractor shall comply with the standards in: [NFPA 30, \*Flammable and Combustible Liquids Code\*](#), 2015 Edition; and [NFPA 33 \*Spray Application Using Flammable or Combustible Materials\*](#), 2016 Edition.

**24. Compressed Gas and Compressed Air Equipment:** Contractor shall comply with the standards in: [29 CFR 1910.169, Subpart M](#). Contractor's Safety Plan shall also address:

- Employee Training
- Inspections
- Storage and Handling

**25. Liquid Gaseous Oxygen/Cryogenics:** Contractor's procedures shall comply with: [AFI 91-203, \*Air Force Consolidated Occupational Safety Instruction\*](#), 15 Jun 12, chapters 22 and 43; T.O. 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*, 9 Aug 13, change 27-13 Mar 17 (all); and [NFPA 51, \*Design & Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes\*](#), 2018 Edition.

#### ELECTRICAL

**26. Electrical:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart S](#), [29 CFR 1926, Subpart K](#); [AFI 91-203, \*Air Force Consolidated Occupational Safety Instruction\*](#), 15 Jun 12, chapter 8; and [NFPA 70, \*National Electrical Code\*](#), 2017 Edition. Electrical wiring and equipment shall be a type listed by [Underwriters Laboratory \(UL\)](#) or another recognized listing agent. Contractor's Safety Plan shall also address:

- Selection and use of work practices
- Training (basic electrical safety knowledge)
- Use of equipment (handling, visual inspection, rating of equipment)
- GFCI Protection for outside contractor drops and wet/damp areas
- Arc Flash

**27. Soldering:** Soldering shall be conducted in accordance with the requirements in T.O. 00-25-234, *General Shop Practice Requirements for the Repair, Maintenance and Test of Electrical Equipment*, 22 Sep 13, change 6 - 24 May 2017, chapter 3; and [29 CFR 1910.253](#).

**28. Electronic/Electrostatic Discharge Sensitive Components:** An electrostatic discharge program, when applicable, shall be implemented according to: [MIL-HDBK-263B, \*Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment \(Excluding Electrically Initiated Explosive Devices\)\*](#), 31 Jul 94; [MIL-STD-1686C](#),

[Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment \(Excluding Electrically Initiated Explosive Devices\)](#), 25 Oct 95; T.O. 00-25-234, *General Shop Practice Requirements for the Repair, Maintenance and Test of Electrical Equipment*, 22 Sep 13, change 6 - 24 May 2017; or the commercial standard ANSI/ESD S20.20, *Electrostatic Discharge Control Program-Protection of Electrical & Electronic Parts, Assemblies and Equipment*, 31 Jul 14.

**29. Hazardous Energy Control Program Elements (Lockout-Tagout):** Contractor shall comply with the standards in: [29 CFR 1910, Subpart S](#), [29 CFR 1926, Subpart K](#); [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 21; and [NFPA 70 – National Electrical Code](#), 2017 edition. Contractor's Safety Plan shall also address:

- Purpose of hazardous energy control program
- Employee training
- Lockout/tagout procedures-Removal of locks and tags
- Periodic inspections
- Restoring equipment to normal operations
- Arc Flash
- Portable Fire Extinguishers (proper type, inspection, maintenance, testing, and training)

**30. Grounding/Bonding of Aircraft and Avionics Equipment:** Contractor shall comply with the standards for grounding and bonding in accordance with T.O. 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*, 9 Aug 13, change 27-13 Mar 17, for aircraft repair and T.O. 00-25-234, *General Shop Practice Requirements for the Repair, Maintenance and Test of Electrical Equipment*, 22 Sep 13, change 6 - 24 May 2017, for avionics equipment.

#### AIRFIELD & FACILITIES

**31. Airfield Criteria:** Contractor furnished airfields shall comply with the standards in: [AFI 10-220, Contractor's Flight and Ground Operations](#), 21 Aug 13; [DCMA INST 8210.1C, Contractor's Flight and Ground Operations](#), 21 Aug 13. [NAS 3306, Facility Requirements for Aircraft Operations](#), Rev 3, 21 Nov 14, chapter 4 (available at Robins through IHS); and [UFC 3-260-01, Airfield and Heliport Planning and Design](#), 17 Nov 08; [UFC 3-260-02, Pavement Design for Airfields](#), 30 Jun 01; [AFI 32-2001, Fire Emergency Services \(FES\) Program](#), 27 Feb 14.

**32. Foreign Object Damage (FOD) Awareness, Prevention And Responsibilities:** Contractor shall comply with the standards in: [AFI 21-101 AFMC Sup 1, Aircraft and Equipment Maintenance Management](#), 19 Jul 16, chapter 11; National Aerospace Standard (NAS) 412, *Foreign Object Damage/Foreign Object Debris (FOD) Prevention Program*, 1<sup>st</sup> Edition, 30 Sep 13; [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 24; and all applicable local guidance. The FOD program must be integrated into the day-to-day operations to reduce/eliminate FOD incidents. Programs will include covering waste dumpsters, waste hauling trucks, barriers in place to stop migrating FOD from dirt and gravel piles, and end of shift or daily clean-up. The contractor will brief their personnel at least weekly on any FOD

requirements. All contractors, subcontractors performing maintenance in a FOD–potential area will receive and have documented initial FOD Awareness and Prevention training. Subject training will be given during Flight Line Drivers Training by the host Base Operations Flight. All vehicle operators are responsible for performing a Foreign Object (FO) inspection on their vehicles including all towed equipment, vehicle tires and open cargo areas of vehicles prior to entering the marked runway, taxiway, flight line, aircraft parking ramps and other areas as directed by the Installation FOD Awareness and Prevention Officer. All “open-air” delivery vehicles must be free of loose items/debris that could potentially fall from the vehicle and cause a FOD hazard. The cargo beds of pickups truck must be clean or covered prior to entering the airfield. Vehicles will be subject to inspection and denied entry if found unacceptable. Contractors and site/operations evaluators will ensure tools; equipment, rags, residue and hardware are properly stored and accounted for. **“Clean as you go” methods are required.**

**33. Aircraft Towing/Parking/Mooring:** Towing, parking and mooring procedures must comply with [AFI 11-218, Aircraft Operations and Movement on the Ground](#), chapter 1, section 1D, 28 Oct 11; [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, Chap 24; [Unified Facility Code \(UFC\) 3-260-01, Airfield and Heliport Planning and Design](#), 17 Nov 08, and site specific applicable aircraft T.O.s.

**34. Hangaring of Fueled Aircraft:** Aircraft hangars where fueled aircraft will be stored must meet the facility requirements in [NFPA 70, National Electrical Code](#), 2017 Edition; [NFPA 409, Aircraft Hangars](#), 2016 Edition; [NFPA 410, Aircraft Maintenance](#), 2015 Edition; and T.O. 1-1-3, *Inspection and Repair of Aircraft Integral Tanks and Fuel Cells*, 21 Jun 2013, change 26 - 4 Feb 17; and applicable “-2” series T.O.s.

**35. Aircraft Jacking Operations:** Contractor’s procedures shall comply with: 35A2 series T.O.s (various jacking equipment); [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 24.8; ANSI B30.1, *Jacks, Industrial Rollers, Air Casters, and Hydraulic Gantries*, 2015; and site or aircraft specific applicable T.O.s.

**36. Fueling/Defueling Operations:** All fueling/defueling operations will be in compliance with: T.O. 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*, 9 Aug 13, change 27 - 13 Mar 17; and T.O. 1-1-3, *Inspection and Repair of Aircraft Integral Tanks and Fuel Cells*, 21 Jun 13, change 26 - 4 Feb 17.

**37. Fire Protection For Facilities:** Contractor’s procedures shall comply with: [NFPA 10, Portable Fire Extinguishers](#), 2013 Edition; [NFPA 13, Installation of Sprinkler Systems](#), 2016 Edition; [NFPA 33, Spray Application Using Flammable or Combustible Materials](#), 2016 Edition; [NFPA 70, National Electrical Code](#), 2017 Edition; [NFPA 72, National Fire Alarm and Signaling Code](#), 2016 Edition; [NFPA 91, Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids](#), 2015 Edition; [NFPA 409, Aircraft Hangars](#), 2016 Edition; [NFPA 410, Aircraft Maintenance](#), 2015 Edition; [NFPA 418, Heliports](#), 2016 Edition; and [NAS 3306, Facility Requirements for Aircraft Operations](#), Rev 3, 21 Nov 14, chapter 4 (available at Robins through IHS); [AFI 32-2001, Fire Emergency Services \(FES\) Program](#), 27 Feb 14.

**38. Airfield Rescue and Firefighting Capabilities:** Contractor furnished fire trucks, personnel and training must meet the requirements in: [NFPA 403, Aircraft Rescue and Fire-Fighting Services at Airports](#), 2018 Edition; [NFPA 412, Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment](#), 2014 Edition; [NFPA 414, Aircraft Rescue and Fire-Fighting Vehicles](#), 2017 Edition; [NAS 3306, Facility Requirements for Aircraft Operations](#), Rev 3, 21 Nov 14, chapter 4 (available at Robins through IHS);, paragraphs 5.3 through 5.5.1; [AFI 32-2001, Fire Emergency Services \(FES\) Program](#), 27 Feb 14.

**39. Severe Weather Plan:** Contractor shall comply with the standards in: [NAS 3306, Facility Requirements for Aircraft Operations](#), Rev 3, 21 Nov 14, chapter 4 (available at Robins through IHS); [AFI 10-220, Contractor's Flight and Ground Operations](#), 21 Aug 13, paragraphs 5.1.2.25 – 5.1.2.25.6; and [DCMA INST 8210.1C, Contractor's Flight and Ground Operations](#), 21 Aug 13. Contractor's Safety Plan shall also address instructions for personnel, equipment and debris.

#### AIRCRAFT SPECIFIC

**40. Aircraft Maintenance:** Contractor shall comply with the standards in: [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 24; [AFI 21-101, Aircraft and Equipment Maintenance Management](#), 21 May 2015; and site specific applicable aircraft T.O.s.

**41. Safing/Egress/Escape Systems:** Contractor shall comply with the standards in: T.O. 11A-1-33, *Handling and Maintenance of Explosives-Loaded Aircraft*, 31 Jul 17; and site specific applicable aircraft T.O.s.

**42. Cleaning/Corrosion Control of Aircraft:** Corrosion removal and treatment shall be conducted according to: T.O. 1-1-691, *Cleaning and Corrosion Prevention and Control, Aerospace and Non-Aerospace Equipment*, 2 Nov 09, change 14 - 13 Jul 17.

**43. Aircraft Painting and Paint Removal Operations:** Contractor shall comply with the standards in: T.O. 1-1-8, *Application and Removal of Organic Coatings, Aerospace and Non-aerospace Equipment*, 12 Jan 10, change 21 - 24 Aug 17; [NFPA 33, Spray Application Using Flammable or Combustible Materials](#), 2016 Edition; [NFPA 70, National Electrical Code](#), 2017 Edition; [NFPA 91, Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids](#), 2015 Edition; [NFPA 409, Aircraft Hangars](#), 2016 Edition; [NFPA 410, Aircraft Maintenance](#), 2015 Edition; and site specific applicable aircraft T.O.s.

**44. Fluid Purging of Aircraft:** Aircraft fuel tanks must be fluid purged in accordance with T.O. 1-1-3, *Inspection and Repair of Aircraft Integral Tanks and Fuel Cells*, dated 21 Jun 13, Change 26 - 4 Feb 17.

**45. Fuel Tank /Fuel Cell Repair:** Fuel tank/cell work will be accomplished in accordance with the requirements in T.O. 1-1-3, *Inspection and Repair of Aircraft Integral Tanks and Fuel Cells*, dated 21 Jun 13, change 26 - 4 Feb 17; and site or aircraft specific applicable T.O.s.

**46. Fuel Tank/Cell Foam Removal/Drying/Storage and Installation:** Contractor's procedures shall comply with T.O. 1-1-3, *Inspection and Repair of Aircraft Integral tanks and Fuel Cells*, 21 Jun 13, change 26 - 4 Feb 17; and site or aircraft specific applicable T.O.s.

**47. Remove/Install Aircraft Engines:** Contractor shall comply with the procedures in: Appropriate engine T.O., and site specific applicable aircraft T.O.s.

**48. On-Aircraft Engine Operations/Engine Runs:** Contractor's procedures must comply with [AFI 11-218, Aircraft Operations and Movement on the Ground](#), Chap 1, Sect 1D, 28 Oct 11; site or aircraft specific applicable T.O.s and [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12.

**49. Acceptance/Functional Check Flights and Maintenance Operation Checks:** Contractor's procedures shall comply with: T.O. 1-1-300, *Maintenance Operational Checks and Check Flights*, 17 Nov 07.

**50. Contractors Flight and Ground Operations:** Contractor's shall comply with the standards and procedures in: [AFI 10-220, Contractor's Flight and Ground Operations](#), 21 Aug 13, change 1, 5 Apr 17 and DCMA INST 8210.1C, Change 1, 5 Apr 17.

#### ELEVATED SURFACES

**51. General Fall Protection:** Contractor shall comply with the standards in: [29 CFR 1910.66, Appendix C, Subpart F](#) and [29 CFR 1926.500-502, Subpart M](#) – If a person can fall 4 feet or more, fall protection must be provided to prevent injury. Contractor's Safety Plan shall also address:

- Guardrail System (height and load rating)
- Safety Net System (location, inspection, and testing)
- Personal Fall Arrest System (PFAS)
- Life line, lanyard, component strength, and anchorage
- Fall Protection Plan
- Qualifications of persons

**52. Work Stands/Platforms:** Contractor's procedures shall comply with: [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 24 and 35A4 series T.O.s, *Ground Support Equipment* (various maintenance stands).

**53. Scaffolding:** Contractor shall comply with the standards in: [29 CFR 1910, Subpart D](#) and [29 CFR 1926, Subpart L](#). Scaffolds are used for persons engaged in work that cannot be done safely from the ground or from solid construction. A competent and qualified person must be on site to make decisions on scaffolding operations. Contractor's Safety Plan shall also address:

- Safety requirements for construction (as applicable), operation, maintenance, railings, toeboards, inspections, fall protection, and use:

- Rails
- Bracing
- Toeboards
- Fall Protection

**54. Personal Protective Equipment For Aerial Lift Devices:** To ensure compliance with [29 CFR 1910.66, Subpart F, Appendix C](#), [29 CFR 1910.133, Personal Protective Equipment](#), [29 CFR 1926.453, Aerial Lifts](#), [29 CFR 1926.104, Safety Belts, Lifelines & Lanyards](#), and [29 CFR 1926.501, Duty to Have Fall Protection](#); the contractor will ensure the following: Contractor employees will use fall restraint on all aerial lift devices unless so certified for fall arrest by the manufacturer. Fall restraint is the preferred standard for DoD installation operations with aerial devices. Fall restraint will consist of a harness (no body belts allowed) and a lanyard shortened to the minimum length to allow work but not allow the employee to leave the platform cage or stand on toe-boards or mid-rails. Energy absorbing lanyards are not authorized for fall restraint. Lanyards will have self-closing; self-locking keepers which remain closed and locked until unlocked and pressed open for connection or disconnection. Contractor employees operating, observing and spotting for aerial devices will wear approved hard hats.

**55. Powered Platforms, Manlifts and Vehicle-Mounted Work Platforms:** TOs, the -35 series. Contractor shall comply with the standards in: [29 CFR 1910, Subpart F](#). Manlifts are used for the purpose of allowing workers to perform duties at elevated levels. A competent and qualified person must be onsite to make decisions on manlift operations. Note: Fall restraint is the preferred method for fall protection. Contractor's Safety Plan shall also address:

- Personal Fall Arrest Systems (PFAS) (body harness, lanyard, lifeline, etc., inspections)
- Manlift – maintenance, inspection, and operation

**56. Aerial Lift Equipment:** Contractor shall comply with the standards in: [29 CFR 1910.66, Subpart F](#); [ANSI/SIA A92.2 Elevating and Vehicle Lift Devices](#); and [AFI 91-203, Air Force Consolidated Occupational Safety Instruction](#), 15 Jun 12, chapter 16. Aerial lifts have inherent risks associated with their use. The Air Force has established procedures to ensure only trained and qualified personnel are operating aerial lifts. In the past, the lifts were identified that did not meet regulatory safety requirements and foreign objects (FO) were found on the equipment. Based on this negative trend and a fatal mishap in years past, the following policies, procedures and processes will be adhered to when aerial lifts are used to support a contractor mission:

(1) Aerial devices shall include the following types of vehicle mounted aerial devices used to elevate personnel to job sites above ground:

- Extendible boom platforms
- Aerial ladders
- Articulating boom platforms
- Vertical towers and a combination of any of the above

(2) Aerial equipment may be made of metal, wood, fiberglass reinforced plastic, or other material; may be powered or manually operated, and are deemed to be aerial lifts whether or not they are capable of rotating about a substantially vertical axis.

**Note on scissor lifts:** OSHA Interpretation letters on file, place scissor lifts in the above described category regardless of powered or manual.

**57. Contractor Aerial Lift Devices:** [Industry Standard \(1-800-FOD-1121\)](#) 7 Jun 12; Contractors shall comply with the standards in: [29 CFR 1910.67](#), [29 CFR 1926.453](#), [ANSI/SIA A92.2 Elevating and Vehicle Lift Devices](#). Contractors, subcontractors, vendors, commercial delivery companies, and all other private business vehicles will comply with the following requirements while operating any type of aerial lift as described above, while on a DoD installation. This includes contractor owned equipment, leased or rented equipment acquired to support the contractual activities. Unless otherwise provided in this section, aerial devices (aerial lifts) acquired on or after July 1, 1975, shall be designed and constructed in conformance with the applicable requirements of [ANSI/SIA A92.2 Elevating and Vehicle Lift Devices](#), including the appendix which is incorporated by reference as specified in [29 CFR 1910.66](#). Aerial lifts acquired for use before July 1, 1975 which do not meet the requirements of [ANSI/SIA A92.2 Elevating and Vehicle Lift Devices](#), may not be used after July 1, 1976, unless they shall have been modified so as to conform to the applicable design and construction requirements of [ANSI/SIA A92.2 Elevating and Vehicle Lift Devices](#). Prior to bringing an aerial device on a DoD installation, the contractor will ensure:

- Aerial devices meet the above [29 CFR 1910.66 and 1910.67](#) requirements
- Aerial devices meet certification and classification for the designated work area
- Aerial devices are serviceable, and all safety devices, warning devices, and interlocks operate
- Aerial devices (regardless of guardrail, mid-rail or toe board configuration) will have fall protection attach points installed
- Aerial devices will contain the manufacturer's manual and operator's safety manual. The applicable ANSI Standard will satisfy the requirement for a safety manual. The contractor and operating employee will be trained and certified on the leased/rental device and provide visual certification upon request
- Aerial lifts will not be used to deliver employees to higher levels unless so certified

**58. Cranes, Derricks, Hoists, Elevators and Conveyors:** Contractor shall comply with the standards in: [29 CFR 1926, Subpart N](#) – Cranes are used to move material, simplify materials handling and heavy or bulky supplies and equipment. Load capacities and operating speeds must be posted; special hazard warnings and instructions – visible to operator; hand signals – per ANSI standard for type of crane in use and inspections are performed by a competent person. Personnel must be trained/qualified/certified by a nationally recognized crane certification league to operate these items.

#### WEAPONS RELATED

**59. Explosive Safety Requirements:** Contractor shall comply with the standards in: [AFMAN 24-204, Preparing Hazardous Materials for Military Air Shipments](#), 13 Jul 17; and dash 11

series T.O.s; [DoDI 4145.26M, DoD Contractors' Safety Requirements for Ammunition and Explosives](#), 13 Mar 08; [DoDI 5100.76 Safeguarding Sensitive Conventional Arms, Ammunition, and Explosives \(AA&E\)](#), 28 Feb 14; [DoDI 6055.16, Explosives Safety Management Program](#), 29 Jul 08, change 1 - 8 Dec 11; [AFJMAN 23-210, Joint Service Manual for Storage and Material Handling](#), 12 Apr 94; T.O. 11A-1-33, *Handling and Maintenance of Explosives-Loaded Aircraft*, 31 Jul 17; and [AFMAN 91-201, Explosive Safety Standards](#), 21 Mar 17; all applicable T.O.s (such as 11A-1-46); The Joint Hazard Classification System through the Defense Ammunition Center for all handling of all explosives devices to be removed, installed, stored or transported. Contractor's Safety Plan shall also address training.

**60. Nuclear Certified Equipment.** NCE are identified on the Master Nuclear Certification List (MNCL located at: <https://wwwmil.nwc.kirtland.af.mil/mncl/index.cfm> ). Consult your division Nuclear Certification Manager (NCM) for additional guidance, as appropriate to your organization.

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**Annex 1 – Quick reference to paragraphs**  
(either delete or update page references)

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