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**CIVIL ENGINEERING**

**FIRE PREVENTION AND PROTECTION**

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This instruction implements Air Force Policy Directive (AFPD) 32-20, *Fire Protection*, and Air Force Instruction (AFI) 32-2001, *The Fire Protection Operations and Fire Prevention Program*, and establishes the requirements concerning the Fire Prevention Program. This instruction applies to all personnel assigned to the 341st Space Wing, subordinate units and personnel assigned, including but not limited to, contractors and concessionaires attached to or supported by Malmstrom AFB. This instruction is consistent with Air Force Occupational Safety and Health (AFOSH) and Department of Labor Occupational Safety and Health Act (OSHA) Standards 91-5, 91-501; Military Handbook 1191; Unified Facilities Criteria Handbook 3-600-01, 3-600-2 and National Fire Protection Association (NFPA) Code 1 Uniform Fire Code, International Fire Code, and NFPA (National Fire Protection Association) Fire Codes as required by Public Law 104-113. Violations of this instruction will render the offender subject to administrative or criminal action; military members may be prosecuted under Article 92, *Uniform Code of Military Justice (UCMJ)*. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force or this installation. Records created as a result of prescribed processes in this publication are maintained in accordance with AFMAN37-123, *Management of Records*, and disposed of as indicated in the Records Disposition Schedule, available in WebrIMS.

**SUMMARY OF REVISIONS**

**This document is substantially revised and must be completely reviewed.**

This revision of MAFBI 32-2001 changes the AFOSH and OSHA Standard references describes changes in Fire Emergency Services and Prevention requirements, the office symbols and identifies changes throughout the instruction.

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**1. General.** In addition, references for this base instruction are AFD 32-20, Military Handbook 1191, Unified Facilities Criteria 3-600-01 AFI 91-301, *Air Force Occupational and Environmental Safety, Fire Prevention and Health (AFOSH) Program*, AFMAN 91-201, *Explosives Safety Standards*, AFOSH 91-5, *Welding, Cutting, and Brazing*, AFOSH 91-66, *General Industrial Operation*, AFOSH 91-501, *Air Force Consolidated Occupational Standard*, and *AFOSH 91-100, Aircraft Flight Line - Ground Operations and Activities*. The following authentic standards apply:

- 1.1. National Fire Protection Association (NFPA). (National Fire Codes)
- 1.2. International Fire Code.
- 1.3. Uniform Fire and Building Codes.
- 1.4. Occupational Safety and Health Administration.
- 1.5. Underwriter's Laboratories Incorporated.
- 1.6. National Bureau of Standards. (ASTM Standards in Building Codes)
- 1.7. NFPA 1 Uniform Fire Code.

**2. Unit Commander and Supervisors.** Unit commanders and supervisors at all levels are responsible for ensuring sound fire prevention procedures are established and practiced in each activity or facility under their jurisdiction. Responsibilities are further outlined in AFI 91-301, AFOSH 91-501, AFOSH Standards, NFPA 1 Uniform Fire Code, and this instruction.

- 2.1. Unit commanders are responsible to provide 341 CES/CEOC with an up-dated listing of the primary and alternate facility manager's name, rank, duty and home phone numbers, building(s) numbers, and squadron name. This list must be accomplished on annual basis or when facility managers are replaced. Send information by letter or E-mail.

**3. Facility Managers/Supervisors.** Each facility manager will be responsible to the unit commander for the fire-safe condition of the facilities under his or her jurisdiction as specified in AFI 32-9005, *Real Property Accountability and Reporting*. The facility manager, their alternates, or supervisor of the operation being inspected, will accompany the fire inspector during scheduled and unscheduled fire prevention inspections. Civilian employee union representatives may also be given the opportunity to accompany the fire inspector during work place inspections. Duties and responsibilities include, but are not limited to:

- 3.1. Monthly visual inspection of all fire extinguishers (IAW AFOSH Std 91-501, Chapter 6) is required. Daily, all fire doors and exits shall be inspected to ensure they open freely and are not blocked. Facilities not occupied on a daily basis, a weekly inspection will satisfy this requirement. A facility checklist developed by the facility manager must be established to accomplish these daily inspections and shall be made available upon request by the Fire Prevention Inspector or Ground Safety Inspector. Facility extinguishers can be annotated on the reverse of the specific fire extinguisher tag for monthly inspection or by computer generated product. Facility managers are required to keep a log of fire extinguisher locations.
- 3.2. Facility managers and supervisors will ensure fire extinguishers are sealed, protected from damage, in serviceable condition, and are in the location designed by the Fire Prevention Office. Fire extinguishers will not be relocated without written approval. Facility Managers and Supervisors will ensure this equipment is not moved, except when in use, and all personnel under their jurisdiction are familiar with its location and proper use. Facility managers will visually inspect fire extinguishers

within their area of responsibility monthly IAW AFOSH Standard 91-501, Chapter 6, and record inspection on computer generated product or by annotating on the back of the inspection tag attached on the fire extinguisher.

3.3. Fire extinguishers shall not be removed from buildings or for any purpose other than fire fighting or repair service and maintenance.

3.4. When fire extinguishers have been used to control fire, accidentally discharged, have broken seals, or become inoperative for any reason the using organization will bring the extinguisher to the fire station, building 349, for repair on Tuesdays (except holidays) from 08:30 to 10:00. While fire extinguisher is being reserviced, the owner will remain at the fire extinguisher servicing station until the extinguisher maintenance contractor completes said extinguisher. Annual inspection tags will not be removed from extinguishers. Annual fire extinguisher inspection will be accomplished by the extinguisher maintenance contractor at each base facility. Do not bring facility fire extinguisher to the fire department for annual inspection.

3.5. For any fire extinguisher brought in that has been discharged, a letter of explanation must be submitted to the Fire Prevention Office explaining why the extinguisher was discharged. Fire extinguishers will not be reserviced until the letter of explanation is submitted.

3.6. Placement of extinguishers in buildings will be authorized by the Fire Emergency Services Flight, Fire Prevention Office only in accordance with AFOSH 91-501, NFPA 10 and "Life Safety Code 101". Coordination with the Fire Prevention Office in writing (not e-mail) will be accomplished prior to units and organizations purchasing and requesting fire extinguishers. The Fire Prevention Office will determine distribution, fire extinguisher size, type, and utilization. Malmstrom standard size of portable fire extinguisher is 4A-60BC.

3.7. Report to the unit commander any unsafe conditions that cannot be immediately eliminated.

3.8. Develop a written OI (Operating Instruction), Standard Operating Instruction (SOP), Flight Instruction (FI) and provide a copy to section supervisors so they may train their employees on its use. This OI, SOP, or FI is required for every occupied facility that is occupied by 10 or more personnel.

3.9. OIs/SOPs/Flight Instructions must be in duplicate and submitted to the 341 CES/CEFT Assistant Fire Chief, Fire Prevention for review and approval before they are implemented. Standard OI format is recommended.

3.10. The facility manager shall conduct functional testing of Exit Lights and Emergency Lighting Equipment at 30-day intervals. Problems with this equipment shall be reported to Civil Engineering customer service for repair. The facility manager shall keep written records of manual/visual inspection and test for review by the Fire Prevention Office or Ground Safety Inspectors during regular inspection. When replacing exit light signs, only LED type is authorized as required by Engineer Technical Letter 99-4.

**4. Fire Prevention Inspection Visits.** Base fire inspectors will conduct fire inspections IAW AFI 32-2001, and AFI 91-301, AFOSH Standard 91-501 and National Fire Codes according to the occupancy of each building. Fire prevention inspections are an integral part of a sound fire prevention program. Inspections may be conducted without written or verbal notice to facility/functional managers or supervisors.

**5. Civil Engineer Shops.** Civil engineer shops or contracted services will perform required maintenance and inspection of installed fire protection equipment and systems IAW Unitified Facilities Criteria 3-600-2 and NFPA Codes. All system outages must be reported to the 911 Dispatch Center. The 911 Dispatch Center (extension 3746) will be notified prior to the closing or blocking of streets or any other means of access to structures.

**6. Security Forces.** Follow requirements outlined in OPS Plan 10-2.

**7. Emergency Reporting Procedures:**

7.1. It is the responsibility of all military and civilian personnel to be familiar with fire reporting procedures when discovering a fire regardless of how minor in nature. Timely and accurate reporting of a fire or medical incident can prevent unnecessary injury and loss of valuable property. Notify the 911 Dispatch Center via **911 call**, whether you suspect or smell smoke or even if the fire is out or in progress. The following procedures will be used to report all fires or medical emergencies:

7.1.1. Sound alarm throughout the facility by the use of the manual pull station provided, or verbally if facility is not protected by an alarm system or is inoperative.

7.1.2. Emergency Reporting - Call 911. Then evacuate.

7.1.3. Utilizing a fire reporting telephone.

7.1.4. In person, at the base fire department, building 349.

7.1.5. Tenant units and off-base sites not tied to Malmstrom by base administrative telephone systems, must call 911.

7.1.6. Give the 911 Dispatch Center operator the following information:

7.1.7. Your name.

7.1.8. Location of the fire or emergency. (Building number, apartment number, room number, etc.).

7.1.9. Type of fire or emergency (medical, facility fire, grass fire, automobile, etc.).

7.1.10. All doors and windows will be closed if possible; DO NOT LOCK THEM.

7.1.11. All secret and confidential files will be secured (if time permits).

7.1.12. Facilities designated by the Fire Chief will be required to obtain and have installed a facility KNOX security box located at the direction of the fire prevention office with facility keys for fire department entry during non-duty hours.

7.1.13. Ensure **Emergency Number Telephone Decal** or **Telephone Template** with emergency number is posted on all telephones. These Emergency Decals maybe obtained through the Fire Prevention Office, building 349.

**8. Contractor Operations.** Contractor and concessionaire managers and supervisors will conform to recognized standards for fire safety and will comply with applicable AFOSH and OSHA Standards and this instruction. The Fire Chief or Assistant Fire Chief, Fire Prevention or designated representative will attend all preconstruction conferences. A fire prevention monitor will be appointed by each contractor to oversee operations.

- 8.1. Use of fire hydrants by other than Fire Emergency Services personnel must be approved in writing by the Fire Chief or designated representative
- 8.2. Must notify the 911 Dispatch Center, 731-3746, prior to deactivation of fire suppression/alarm systems or utility shutdown.

**9. Military Family Housing.** Family sponsors are responsible for fire prevention in their quarters. Sponsors that have occupied military family housing previously will complete the Statement of Liability and Responsibility. They have the option to receive a refresher fire prevention briefing. First time occupants will be required to view the Fire Safety video and review the pamphlet *Home Fire Prevention, A Guide for Prevention and Survival*. They will complete the Statement of Liability and responsibility. Sponsors will be responsible to ensure family members know how to report fires and how to evacuate their quarters. The Statement of Liability and Responsibility will be placed in their housing record.

9.1. Outdoor chimeneas and hearths have become very popular in recent years. However, there are several fire safety requirements MFH occupants must adhere to. These chimeneas and hearths are classified as open flame devices and are not authorized for use unless authorized in writing by the Base Fire Chief or designated representative.

9.2. CHIMENEAS, commonly referred to as wood burning Mexican chimney or fireplace, may be used in Military Family Housing Units only. When used, they will be placed a minimum of 10 feet away from the housing unit and the top vent opening will be covered with a safety screen to prevent hot ambers from escaping the vent. The chimeneas will also be placed on a stand to prevent undue injury and to prevent possible fires and will not be left unattended.

9.3. A fire prevention inspection will be accomplished to determine the safety of the device and recommend approval or disapproval to the Base Fire Chief or their designated representative. If approved/disapproved, you will receive a written conformation either way. You cannot use this equipment until the Base Fire Chief or designated representative has given written approval. If you wish to rent or use one of these devices, you must call (4836/4100) the Fire Emergency Services Flight, Fire Prevention Office, for review and inspection of the product you wish to use.

**10. Fire Exit Drills.** Facility Managers, Dormitory Apartment Managers, and supervisors will be scheduled for Fire Exit Drills minimum of annually (more often if required) IAW AFI, National Fire Codes, International Fire Codes, Uniform Fire Code, or the Fire Prevention Office.

**11. Emergency Vehicle Right-of-Way.** The blocking of or unauthorized interference with fire apparatus or other emergency responding vehicles, responding to or at a real-world emergency or exercises, is strictly prohibited. Fire apparatus and other emergency responding vehicles with sounding sirens, horns, and flashing lights will have the right-of-way over all other vehicles. All other drivers will yield the right-of-way by clearing the road and coming to a full stop as near to the roadside as possible, and remain stopped until all emergency vehicles have passed. The following of emergency vehicles to the scene of an emergency is strictly prohibited. A distance of 500 feet between emergency vehicles and vehicles following will be maintained.

**12. Fire Prevention Office.** Upon request, the Fire Prevention Office of the Fire Emergency Services Flight is available to conduct fire prevention training, lectures, and demonstrations for functional areas or social groups. Ten (10) working days advance notice is required for scheduling purposes.

**13. Smoking is prohibited.** Requirements in AFI 40-102, AFI 91-201, AFOSH 91-100, and AFOSH 91-501, Chapter 6 including any supplements, provide guidance on smoking and authorized locations. Smokers Outpost disposal devices may be used in place of self-closing butt cans as long as the device is labeled "SMOKING MATERIAL ONLY". Any misuse of these devices or authorized smoking areas, will be identified during fire prevention visits and a recommendation for removal to the Squadron Commander will be submitted.

**14. Welding, Cutting, and Brazing Operations.** Welding, cutting, and brazing operations shall follow the requirements of AFOSH Standard 91-5, NFPA 51, and OSAH 1910.252.

**15. Air Force IMT 592 , USAF Welding, Cutting and Brazing Permit.** Prior to starting any open flame work, the activity supervisor or project manager will obtain an AF IMT 592, USAF Welding, Cutting and Brazing Permit. The checklist permit, AF IMT 592, furnished by the fire department or designated certified individual, will be completed before and at the completion of all welding and cutting operations. Personnel authorized to issue AF IMT 592 will attend a certification class initially and annually thereafter (given by the Fire Prevention Office) as required by AFOSH Standard 91-5. A list of certified personnel and shops will be maintained in the Fire Prevention Office of the Fire Emergency Services Flight.

**16. Missile Alert Facilities and Launch Facilities.** A permit (AF IMT 592) must be obtained through the fire department or a certified individual before work is to begin and be on site when work is being accomplished.

**17. Clearances, Storage, and Warehousing.** Waste and packing materials, clearances, and storage and warehousing will be in accordance with applicable standards, DOD requirements NFPA 13 and NFPA 230.

**18. Overall Fire and Life Safety.** Additional Fire and Life Safety requirements are as follows:

18.1. Spaces under stairways will not be used for storage of combustible materials.

18.2. Exit accesses and discharges will be kept free of ice and snow accumulation at all times.

18.3. Doors designed to be kept normally closed in a means of egress, such as a door to a stair enclosure or horizontal exit, shall be a self-closing door and shall not at any time be secured in the open position (unless connected to the fire alarm system as permitted by National Fire Codes NFPA 72 and 101).

18.4. Use of kitchen matches ("strike anywhere") is prohibited on base and at missile alert facilities. Only safety-type matches are approved.

18.5. Open burning and fires are prohibited except when specifically approved by the Fire Chief or designated representative. Open burning permits must be obtained from the fire department prior to burning. The Fire Emergency Services Flight Fire Prevention Office must be contacted after satisfying all of the air quality requirements. Exception: Burning of used code pages is not authorized outside of vehicles or buildings.

18.6. Fireworks, rockets, homemade bombs, and related items, will not be possessed or used except as authorized by the 341st Space Wing Commander.

18.7. Small gasoline engine-powered equipment handling and storage will be in accordance with AFOSH Standard 91-501 and will not be stored in buildings and mechanical/boiler rooms except in authorized area designated by the Fire Chief or designated representative. Areas authorized, see [Attachment 2](#).

18.8. Barbecuing will not be closer than 10 feet to a structure. No barbecuing inside a structure, under carports, under canopies of any type or in Military Family Housing Garages. At no time leave a barbecue unattended. Do not dispose of hot coals in with combustibles (e.g., in dumpsters or trash containers) until they are completely wet down and cooled and completely extinguished. Do not remove building fire extinguisher(s) to support BBQs.

18.9. No person shall deliberately or maliciously turn in an alarm of fire when in fact that person knows that no fire exists.

18.10. Cabinets housing fire extinguishers shall not be locked.

18.11. Sprinkler Risers. Areas in buildings having sprinkler risers will have a clear area of 36 inches in all directions, and a clear path to the risers.

18.12. The use of furnace rooms, generator rooms, or mechanical equipment rooms as workshops or storage areas is prohibited. Rooms will be clean and free of all combustible materials.

**19. Cooking in Dorms/Apartments/Military Family Housing/Work Areas.** Cooking in kitchens shall not be left unattended while in operation. Cooking in individual rooms of Dormitories Apartment Buildings, Visiting Officers Quarters (VOQ), Visiting Airmen Quarters (VAQ), transient quarters, is authorized only when the areas and rooms are specifically designed for such use and protected by an automatic sprinkler system as required by fire codes. Cooking in work areas is prohibited. (Exception: Cooking is permitted where facilities are provided for this purpose.) All new cooking areas installed in dormitories apartments or work areas must be approved by the Fire Prevention Office, 341 CES/CEFT and conform to Fire Safety requirements outlined in Unified Facilities Criteria 3-600-01. Fire Protection Engineering For Facilities.

**20. Space Heating Units/Portable Electric Space Heaters.** Space heating units, which produce flame or glowing elements, will not be used in any facility unless specifically approved for use by Underwriter's Laboratories, Inc., or other recognized agency as suitable for use in those areas. Flammable liquid and propane type space heaters are not authorized for use. Space heating devices **will not** be used in Military Family Housing garages in an attempt to keep motor vehicles warm. The fire risk is too high from exploding gasoline vapors from your vehicle in a confine space to allow these types of heating devices to be used.

20.1. As required by AFSPC, all portable space heaters used in AFSPC facilities must be approved for use by the Fire Prevention Office. Portable space heaters must meet the following requirements before approved by the Fire Prevention Office.

20.2. Portable space heaters must be UL-listed and be equipped with an automatic tip-over safety device, an overheat protection device and an automatic thermostat control. Portable space heaters cannot be connected to electrical extension cords or power strips. They can only be connected directly into wall receptacles only. Portable space heaters must maintain a minimum of 18 inches between any heat producing appliance and combustible material.

20.3. An appointment must be scheduled for inspection, approval, and proper authorization tag which will be placed on the approved portable space heater certifying authorization for use of the portable space heaters. This appointment may be scheduled by calling extension 4100 or 4836. Until approval is granted, portable space heaters cannot be used.

**21. Electrical Wiring, Extension Cords and Appliances.** Installation, alteration, or extensions of electrical wiring and appliances shall be made only by qualified civil engineer electricians or contractors working under the supervision of the civil engineer and installed IAW NFPA 70, National Electric Code. Temporary wiring (extension cords) will not be used in place of permanent installation.

**22. Power Strips.** No more than two large amp items to one power strip and piggybacking of power strips is not authorized unless UL approved and specifically designed by the manufacturer, must be IAW National Electrical Code NFPA 70, Article 285.

**23. Clearance.** Clearance between electrical fixtures, and heat producing fixtures and combustible material, will be at least 18 inches. Combustible materials will not be placed on or stored within 36 inches of electric motors.

**24. Highly Flammable Volatile Liquids.** Highly flammable volatile liquids will not be used for cleaning purposes. Requirements for storage and use are listed in AFOSH 91-501 and NFPA 30. Compressed gas cylinders such as propane and butane cannot be stored in the same flammable and combustible locker.

**25. Dormitory/Apartment Rooms.** Minimal amounts of flammable or combustible materials intended for personal use and similar to items commonly used or found in the average household are permitted in individual rooms. Gasoline, diesel fuel, Coleman fuel, vehicle oils, transmission fluid, and other flammable liquids of this type shall not be stored in individual rooms.

**26. Flammable Storage Lockers:**

26.1. Flammable storage lockers will not be placed within 15 feet of a means of egress.

26.2. Store flammable liquids only in approved OSHA metal cabinets specifically designed for such use. Refer to AFOSH 91-501, Chapter 22 and National Fire Code 30. Lock cabinets at all times when not in use. A letter (**in duplicate**) for each cabinet must be submitted to the Fire Emergency Services Flight, Fire Prevention Office with a drawing (**in duplicate**) showing the location of the cabinet in red. Each letter must include the following: product name, amount being stored, and flash point of each item being stored. Do not store materials in the original shipping box in which they were delivered. Do not store propane or butane bottles in flammable storage cabinets. Lockers stored outside of a facility do not require a letter of authorization but must be at least 10 feet away from building and meet all other requirements mentioned herein. Approval letters may be attached on the locker or in the facility managers building folder but must be made available upon request by the fire inspector. All request and authorization letters will be resubmitted and reviewed every three years or when there is an additional item being stored in the approved cabinet. If the item being stored in the cabinet is permanently removed, cross off list. A written change is not required.

26.3. Storage of lithium batteries (more than 10 batteries) will be in a separate metal OSHA approved storage cabinet located from flammable storage cabinets. Recommend the blue acid cabinet type. Label these cabinets "lithium battery storage only." Letters of authorization to store the batteries will

be submitted (**in duplicate**) before storage is authorized. Follow instructions as listed in paragraph **26.2.** for letters.

26.4. Storage of acids will be in a separate OSHA approved metal locker, blue in color with white lettering stating, "Acid Storage". Follow instruction as listed in paragraph 8.5.2 for approval letters.

**27. Hazardous Waste Initial Accumulation Point.** Comply in accordance with MAFB OPlan 32-7042, Chapter 6 Hazardous Waste Management Procedures.

27.1. All facilities meet NFPA 10 and AFOSH Std. 91-501 fire extinguisher requirements. However, if you have any questions concerning the placement of extinguishers, contact the Fire Emergency Services Flight, Fire Prevention Office (ext. 4100 or 4836) for evaluation of extinguisher location. If your site is outside, you will need to purchase a 4A-60 BC Dry Chemical extinguisher for your site with appropriate identification markings showing the location of the extinguisher from at least three sides. (Refer to paragraph 40.4)

**28. Occupancy Hazards/Places of Public Assembly/Recreational Facilities/Fire Training.** The serious occupancy hazards in clubs, areas of public assembly, and recreational facilities, together with the record of heavy fire losses in the past, require particular emphasis be placed on these facilities. Club management and recreational facility operating personnel will ensure fire prevention measures are conducted and observed by subordinates and patrons. Managers and assistant managers or designated personnel will check exits daily prior to the entry of patrons to ensure doors are unlocked and panic hardware is functioning properly.

28.1. Managers must comply with AFOSH Standard 91-501, Chapter 6 and Life Safety Code 101. Specialized training using fire extinguishers, locations of fire fighting equipment, locations of fire alarm pull stations, kitchen wet chemical systems, and fire prevention principles will be conducted semi-annually (starting in January of each year) by the club/facility managers of each place of public assembly. All public assembly club/facility managers will accomplish training, and a certification system will be established to ensure personnel in the facility have been trained, and understand their fire prevention responsibilities within the work environment. A certification program will be established by the Fire Emergency Services Flight, Fire Prevention Office and maintained by the club/facility manager. This training will be conducted IAW AFOSH 91-501, Chapter 6 on a semi-annual basis. **NOTE:** Public assembly managers and assistant managers will attend annual fire prevention training conducted by the Fire Prevention Office. This training will also cover fire reporting, evacuation procedures, and fire prevention principles. This training will also cover suggestions to assist managers in conducting and documenting their quarterly training for employees.

28.2. All furnishings, draperies, curtains, rugs, and similar decorations will be noncombustible or treated with fire retardant materials. Refer to AFOSH 91-501 for additional requirements.

28.3. Daily cleaning of canopies, ducts, and filters installed over cooking units in commercial cooking establishments will follow the requirement outlined in AFOSH 91-501, chapter 6. Inside and outside of deep fat fryers, grills, and other cooking appliances including the floor under these appliances will be kept clean. Clean at least daily. Managers and supervisors having commercial exhaust systems in their facilities will be responsible for formulating a Standard Operating Procedure (SOP) for cleaning.

28.4. Base Civil Engineer personnel, or other certified personnel, will be authorized to calibrate deep fat fryers in accordance with the AFOSH Standard 91-501, Chapter 6 and National Fire Code NFPA 96. Calibration requirements are listed in AFOSH 91-501. Documentation of the test will be affixed to the unit on a METAL TAG showing date and minimum and maximum temperatures of the fryer test IAW AFOSH Standard 91-501.

28.5. Cleaning and operating kitchen ranges and support equipment will be in accordance with AFOSH Standard 91-501 and NFPA 96. The Fire Prevention Office as required by AFOSH Standard 91-501 may determine more frequent cleaning is required.

28.6. Facility managers will maintain information on file for each exhaust system: (Refer to Public Assembly Fire Prevention Managers Book).

28.7. Ducts cleaned by contractor. This information is to be maintained in the public assembly-training folder provided by 341 CES/CEFT.

**29. Nightly Closing Inspections.** Because of the high fire incident rate in these Air Force facilities, closing inspections will be accomplished. Recommend the use of AFOSH 91-501, Chapter 6 checklist requirements which may be added to in development of your facility checklist.

**30. Public Assembly Training.** Follow requirement listed in paragraph 28. above and AFOSH 91-501 and AFI 91-301. Conduct classes for all employees at least Semi-Annually (starting in January of each year), on fire prevention, facility evacuation, and fire fighting procedures. Any request for training assistance from the fire prevention office must be made 10 working day's in advance to prevent work schedule and other training and fire inspection requirement conflicts.

**31. Major Social Events.** Managers of places of assembly and recreational facilities will notify the Fire Emergency Services Flight, Fire Prevention Office in writing of all major social events not normal to the general operation of the facility. Fire prevention personnel will inspect places of public assembly and recreational facilities before all major social events for life safety.

**32. Base Population Training.** Request for training assistant from the Fire Prevention Office (Commander Calls, Fire Extinguisher Training, Welding Training, etc.) must be made 10 working days in advance to prevent work schedule and other training and fire inspection requirements conflicts. Newcomer's Fire Safety Orientation Briefing is scheduled by manpower and all newcomers are required to attend this briefing upon arrival on general fire safety practices.

**33. Dorm Apartment Fire Training.** Dorm management (facility manager) will ensure specialized fire safety training is given to each occupant receiving rooms. This training will include but is not limited to Fire Protection System operation within the dorm apartment, safe cooking practices, fire reporting and evacuation procedures. This will be tracked and documented by CDMO personnel.

**34. Installation of Decorations (Public Assembly and Day Care Facilities).** Prior to the installation of any temporary or permanent decorations, such as bunting, banners, artificial floral design, Christmas decorations etc., must comply with AFOSH 91-501, chapter 6, paragraph 6.2.13. Managers will request special fire prevention inspection (5 days prior to installation) when unusual temporary decorations are contemplated for use. All seasonal decorations will be fire resistive materials and proof of fire resistance is the responsibility of the commander, supervisors, and facility managers in base facilities.

**35. Installation of Decorations (Base Facilities Only).** Live Christmas trees are not to be installed or used in any base facility (exception: Military Family Housing). Live Christmas trees pose an unnecessary fire hazard risks because of dryness and improper maintenance and care.

**36. Open Flame Lighting Devices.** Open flame devices (candles) will not be used in any building, except where necessary for ceremonial or religious purposes (Chapel Only), and then only on approval of the Fire Chief or designated representative. Candles may be used on tables utilized for food service facilities (Club Malmstrom, Base Chapel, and Dining Facility Only). Occupants in Dorm apartment buildings, TLF, or VOQs are not authorized to use or possess any type of open or closed flame device. This includes candles and incense. Authorized facilities using candles, devices shall be securely supported on noncombustible bases, located to preclude danger of ignition of nearby combustibles, and only if the candle flames are protected and doesn't protrude above the protective cover (glass). All devices in connection with the preparation of food shall be installed and operated to avoid hazard to the safety of occupants and shall be of the approved type for this use.

**37. Blocking Fire Department Connections/Hydrants.** Parking within 15 feet in each direction from a fire hydrant, Fire Department connection, or in fire lanes is prohibited.

**38. Fire Lanes and Equipment.** No motor vehicle or other obstruction will be parked or placed in a fire lane. Vehicle operators will not drive over fire hoses unless fire hose bridges have been provided or authorized to do so by the Senior Fire Officer in charge.

38.1. Fire Emergency Services and Security Force vehicles are authorized to park in fire lanes in performance of official duties. (Ref: Uniform Fire Code)

**39. Government and Private Vehicles.**

39.1. Private vehicles will not be parked or stored inside buildings, structures or hangars other than those specifically designated for such use. Government vehicles will follow the requirements outlined in AFOSH STD. 91-100 for aircraft hangars, NFPA 407, 409, and 410.

39.2. Private vehicles will not be parked within 20 feet of structures other than for unloading and loading purposes. Government Vehicles parked in any facilities during duty and off duty hours, ignition keys will remain in the ignition for emergency removal. POV's are not authorized to be parked in government facility unless specifically design for use. e.g. Auto Hobby Shop. Exception: Military Family Housing garages.

39.3. The Assistant Fire Chief of Operations may commandeer available military vehicles, equipment, materials, and personnel considered necessary and appropriate for the prompt control and extinguishment of any fire, or to assist when the fire scene is turned over to the Fire Chief.

**40. Replacing or Purchase of Fire Extinguishers.** When a fire extinguisher requires replacement due to damage, hydrostatic testing etc., the using organization must purchase replacement extinguisher(s). (Refer to AFOSH 91-501, Chapter 6). The Fire Prevention Office as required by AFOSH 91-501 must approve purchase of these fire extinguishers in writing.

**41. Portable Extinguishers for GOV's.** As required by AFOSH 91-501, fire extinguishers shall not be located on vehicles or equipment, or in facilities, unless required by directive (e.g. technical orders [TO]),

AFI's, DODI's, NFPA 10 or approved by the fire protection authority (Fire Prevention Office). Written approval from the base fire prevention office IAW AFOSH 91-501 must be obtained. If authorized in writing, portable extinguishers in government vehicles shall be mounted in brackets.

**42. Family Housing Fire Extinguishers.** The government has furnished fire extinguishers in family housing. Sponsors are responsible for annual inspection and serviceability. Fire extinguishers placed in military family housing are 3A - 10BC capable of extinguishing the most common fires in the home. The sponsor is totally responsible for this extinguisher and must sign for it at time of occupancy and clearance through the Family Housing Office. If fire extinguisher requires replacement, contact housing maintenance.

**43. General.** The provisions of AFMAN 91-201, *Explosives Safety Standards*, DOD manual 6055.9 and applicable AFOSH Standards and TOs, will be complied with in the storage and handling of explosives.

**44. Munitions Control Section.** The Munitions Control Section will provide current information on all weapons movements outside the storage area to the 911 Dispatch Center, extension 3746.

**45. Gunpowder, Pyrodex, and Rocket Motors.** The storage of gunpowder for reloading of ammunition by housing occupants is limited to five pounds, no more than 500 primers and rounds of ammunition, one pound of black powder, one pound of Pyrodex, and no more than five pounds of model rocket motors per housing unit on base. Storage of these items is not authorized in dormitories.

**46. Litter, Trash, Sawdust Accumulation and Dust Collection Bags.** Follow requirement outline in AFOSH 91-10 and 91-66.

**47. Operations.** Paint spray booths and spray operations will comply with the provision of Unified Facility Criteria 3-600-01, applicable AFOSH Standards 91-17, 91-501, and NFPA 33.

**48. Dip Tank Requirements :** The provisions of NFPA 34 will apply.

**49. Maintenance.** Any maintenance or other activities on hydrants or water mains that will effect water supplies for fire fighting purposes will be reported to the 911 Dispatch Center prior to beginning such operations. The 911 Dispatch Center will be notified when the condition is returned too normal at extension 3746. Civil Engineering Plumbing Shop or Contractor is required to conduct all testing in accordance with Unified Facilities Criteria 3-600-2 and provide hydrant flush and records of hydrant flow test to 341 CES/CEFT upon completion of testing.

**50. Use of Fire Hydrants.** Persons other than members of the Fire Emergency Services Flight, or authorized representatives of civil engineering, will not be authorized to turn on or use fire hydrants for any purpose. No pipe connection or other use of hydrants will be utilized, except authorized by the Base Fire Chief or designated representative. Facility managers and housing sponsors will keep fire hydrants around facilities and housing units free of ice and snow accumulation.

**51. Military Family Housing/Smoke Detectors.** Smoke detectors must be properly installed by housing maintenance and have a continuous power supply. Testing will be IAW NFPA 72, National Fire Alarm Code.

**52. Testing of Smoke Detectors in Family Housing.** Testing of the smoke detectors is the responsibility of the housing occupant. Testing is required by AFOSH Standard 91-501 Chapter 6 and NFPA 72 National Fire Alarm Code and will be conducted on a monthly basis. For additional information on procedures for testing smoke detectors, contact the Fire Prevention Office at ext. 4100 or 4836. At change of occupancy, smoke detector maintenance will be conducted IAW Unified Facilities Criteria 3-600-02 by the housing maintenance contractor.

**53. Sleeping Rooms, Dorms, Apartments, TLFs, VOQs, Etc.** Inspection, testing, maintenance, and repair of installed fire detection/suppression systems are the responsibility of the appropriate Civil Engineering shop or appropriate contractor.

**54. Inspections, Testing, Maintenance, and Repair of Base Facility Fire Protection Systems.** Inspection, testing, maintenance, and repair of installed fire detection/suppression systems are the responsibility of the appropriate Civil Engineering shop or appropriate contractor.

54.1. The 911 Dispatch Center (ext. 3746) will be notified prior to shutting down any system (be it a fire alarm, suppression or fire hydrant) or section of a system for repairs, maintenance, or test. The person notifying the 911 Dispatch Center will give name, reason, and estimated time system will return to service. This information will be logged on the fire system outage board or computer generated outage board in the 911-dispatch center. **No Fire Alarm, Fire Suppression system will be left out of service over night where there are sleeping quarters.** The Fire Emergency Services Flight Assistant Fire Chief of Operation, Fire Prevention, and the Fire Chief will be notified of all outages by the 911 Dispatch Center

**55. General. Follow Requirements Outlined in AFOSH 91-501, Chapter 5.** Good housekeeping is of paramount importance in fire prevention, as accumulation of rubbish and other combustible waste often causes fire. At the end of each workday, the responsible individual in each work area will ensure trash cans, ash trays, butt cans (water soaked), dust collection bags, and other waste receptacles are emptied into metal containers located at least 20 feet from the building. Under no circumstances will trash be allowed to remain in buildings overnight.

**56. Trash and Waste Containers Requirement are listed in AFOSH 91-501, Chapter 5** (Exception: Office wastebaskets do not require a cover; however, they must remain free of all smoking materials.) Shops and industrial facilities must use non-combustible containers. (Fire Resistive)

**57. Non Combustible Metal Containers.** Separate covered metal containers will be provided and properly identified for clean and dirty rags, in accordance with applicable AFOSH Standards.

**58. Storage Rooms.** Furnace rooms, boiler rooms, water heater rooms, telephone frame rooms, and air conditioning rooms, including base housing, will not be used for storage. An exception to this is filters for a one-time change in air handling units. Heat producing devices located in basements must maintain a 36-inch clearance between combustibles and device.

**59. Grease Filters and Cooking Exhaust Systems.** Occupants of dormitories, apartment buildings, and housing units with kitchen stove hood grease filters will clean the grease filters at least monthly.

**60. General – Child Development Centers/Family Day Care Homes.** The following constitutes fire protection and fire safety policy for child development center operations: Total capacity of the facility during any given period will not exceed the occupant load posted therein and determined by AFI 34-276 and Life Safety Code 101.

60.1. The requirements of AFI 34-276, *Child Development*, will be complied with.

60.2. During inclement winter months (1 September through 31 March) blankets for each child shall be placed at the rear exit door of each classroom in a bag type carrier to be used and distributed to the children at the evacuation point during fire evacuations. These blankets are to be separate from the blankets used by the children at naptime. In accordance with the Life Safety Code 101, providers are not to grab children coats during evacuation; blankets only.

**61. Family Day Care Program.** Operating a family day care home in government quarters will be in accordance with AFI 34-276 and “Life Safety Code”, contact the Family Day Care coordinator (341 SVS/FCC), ext 2116, or the Fire Prevention Office (341 CES/CEFT), ext 4100 or 4836. A 7 to 10 day notice shall be given to the Fire Prevention Office for initial inspection and follow-ups.

61.1. It is recommended, but not required Family Day Care Homes (FDCH) have at least one 2A-10bc rated fire extinguisher. They are provided at the user’s expense and must be present during initial fire prevention inspection if used. The base Fire Department will not provide fire extinguishers to FDCH to meet this requirement. The first responsibility of the FDCH operator is to evacuate children under their care from the home in case of fire.

61.2. Children under the care of a Family Day Care Home will not allow children under their care in the cooking area during any cooking operations and 30 minutes after cooking. This is to prevent unnecessary injury to children.

61.3. During hours of operation, children shall wear hard-soled footwear. Exception will only be approved by the Family Day Care Coordinator only.

**62. General – Construction, Modification, or Alterations to Facilities.** All project specifications and drawings will be coordinated with the Fire Emergency Services Flight Assistant Fire Chief, Fire Prevention Office for review and signature. Air Force contracts will specify the contractor’s responsibility for fire protection and compliance with this instruction during contract execution.

**63. Preconstruction Conference.** The Fire Chief or designated representative (Fire Prevention Office) will be notified 7–10 working days in advance of all preconstruction conferences to brief the contractor on pertinent fire regulations. This will prevent a scheduling conflict with other fire prevention activities.

**64. Construction Project Review.** The Fire Chief or a designated representative (Fire Prevention Office) will review all construction and alteration plans (including “self-help” or “remodel” type projects), and be informed by the unit commander when changing conditions occur within a building in accordance with Unitified Facilities Criteria 3-600-01, Military Handbook 1191 and other related National Fire Codes. All project reviews of any type that require complete fire protection and life safety review, a 7 to 10 day review process by the Fire Prevention Office is required.

64.1. Any modification, change, or construction within any existing facility, including military family housing, may be accomplished only upon submission and approval of an AF IMT 332, **Base Civil**

**Engineer Work Request.** (Exception: Approved Construction Documents) Work will not be started until the AF IMT 332 has been approved.

**65. Self-Help Projects.** All self-help work requests must include a list of the material to be used and will be reviewed by 341 CES/CEFT before the project is started and the materials are purchased. All material and work must meet the minimum Fire Safety Standards required by Unified Facilities Criteria 3-600-01, Military Handbook 1191, NFPA "Life Safety Code" 101, National Fire Codes, Uniform Fire and Building Codes.

**66. Civil Engineer Real Estate Section.** The Civil Engineer Real Estate Section will advise the Fire Prevention Section of any changes relative to building redesignation and or occupancy changes, including disposal.

**67. General – Dormitory Managers.** Inspections and fire checks will be made on each facility at least once EACH DAY during the tour of duty. Special attention will be given to inspections, beginning at 0800, and ending at 1600. Each of the inspections will be recorded on Report of Special Duty Tour Log. Thorough checks of the entire Dorm Apartment complex will include, but not be limited to, the following: Paper and trash accumulated in common use areas, utility rooms, hallways, etc.

67.1. Fire exit lights on (action will be taken to replace bulb, if necessary).

67.2. Fire exit doors operating properly (doors will be closed).

67.3. Supervision and close check of the handling and disposal of smoking materials.

67.4. Fire extinguishers are serviceable.

67.5. Candles and incense will not to be used, possessed, stored or displayed in Dorm/Apartment facilities.

**68. General – Fire Prevention at Missile Alert Facilities (MAF).** The Fire Chief in accordance with AFI 32-2001 and AFI 91-301 will establish fire protection and fire fighting procedures. All personnel assigned to a tour of duty at missile alert facilities (MAF) will maintain continuous surveillance of hazardous operations and enforce fire prevention procedures. Responsibilities are outlined in 341st Operations Group Operating Instruction 32-3.

68.1. Inspection and testing of fire detection, alarm, and fire fighting systems will be in accordance with appropriate Unified Facilities Criteria 3-600-2, National Fire Codes NFPA 17, 25, and 72. All testing is accomplished by the appropriate Civil Engineering Shop or by contract personnel.

68.2. The superintendent, facility management standardization evaluation (341OG/OGVF), is responsible for establishment of a sound fire prevention program, including the appointment of the on-duty facility manager of each missile alert facility as the manager.

68.3. The facility manager must inspect each fire extinguisher and fire hose station daily and if required, remove and return faulty fire extinguishers to the fire station for repair and recharge. Facility fire extinguishers will be returned to base fire department for recharge, Tuesday 0830-1000.

**68.4. The Fire Emergency Services (911 Dispatch Center) shall be immediately notified of all fire incidents by the most expedient means, regardless of amount of damage, or fire being extinguished.**

68.5. Convoy personnel involved in the transportation of missiles, guidance units, re-entry vehicles, and propulsion system rocket engines will be thoroughly indoctrinated in fire fighting techniques (i.e., use of different type fire extinguishers installed in their vehicles, and extinguishing of fire they may encounter during transportation).

68.6. Due to nonavailability of fire fighting equipment in local communities that could be dispatched to the launch facilities (LF) or missile alert facilities (MAFs), and the distance between LFs and MAFs and these communities, it is imperative personnel manning the sites be thoroughly indoctrinated in fire prevention and fire suppression procedures, and that good fire prevention programs are established and tested at regular intervals.

68.7. Under no circumstances will an open flame operation (e.g., welding, cutting, and tar pots) be permitted by the facility manager without reviewing the permit (AF IMT 592) pertaining to the work that was issued. Exception: Burning of codes and ciphers is permitted; in authorized burn cans with self-closing lids in the MAF capsules. Only non-combustible UL rated containers with non-combustible lids will be used. They will be labeled "For Burning Classified Material Only". All burned material will be disposed of after each shift as required by proper disposal procedures.

68.8. Boiler rooms at MAFs may be used for storage of mops, brooms, floor buffers, vacuum cleaners, and items used for the upkeep of the MAF. The boiler room must always be maintained in a clean, orderly manner and always with safety and fire prevention in mind.

68.9. During forest fire fighting season, (1 May through 30 Sept) fire incident and reporting procedures established in OG Operating Instruction 32-3, paragraph 12 will be used. Setting up garden hoses and sprinklers will be accomplished as described in the OGOI and training provided by the Fire Prevention Office.

68.10. The on-duty facility manager will inspect each standpipe hose station for accessibility, and condition. All checks will be logged and documented. (This procedure will not longer be required when the fire protection up grade now in progress at the MAFS is completed.)

68.11. The on-duty facility manager will inspect each exit light fixture for illumination and visibility all checks will be logged and documented.

68.12. The on-duty facility manager will inspect each emergency lighting unit for proper operational checks will be logged and documented.

68.13. The on-duty facility manager will inspect Flammable Storage for proper location and Authorization and inventory. All checks will be logged and documented authorizations will be updated annually.

68.14. The on-duty facility manager will insure each person assigned to that MAF and each tour that these personnel are briefed on all facets of MAF Fire protection and prevention and must include, but not be limited to Fire Extinguisher use, location and identification, water systems, standpipe hose stations (until removed), alarm and detection systems, kitchen fire suppression systems and all fire hazards associated with a MAF or LF. This training will be logged and documented.

68.15. The on-duty facility manager will inspect and test installed systems at prescribed intervals.

68.16. The on duty Facility Manager will inspect and perform operational checks of the MAF Fire Alarm and Detections system weekly. This test will include operation of pull boxes and visual checks of all Horn/Strobe appliances. The on-duty FM will conduct and document Fire Evacuation drills in

conjunction with pull box operational checks. One drill will be accomplished with the Fire Detection/Alarm system simulated out of service. To minimize crew rest interruption, testing should be accomplished during nightly changeover. CE Missile Zone will accomplish maintenance and testing of all fire detection devices at prescribed intervals. All weekly and CE Missile Zone tests will be logged and documented by the Facility Manager in as far as date, time and system status. This information will be made available to the Fire Emergency Services Fire Prevention Office during fire prevention inspections.

68.17. Maintenance, testing of all fire protection devices, standpipe hose connections will be accomplished by CE Utilities at pre-described intervals. (Refer to UFC 3-600-1) These tests will be logged and documented by the Facility Manager in as far as date, time and system status and will be available upon request by the Fire Prevention Office. This maintenance and testing will also include all fire sprinkler systems, if applicable.

68.18. Appropriate personnel from Civil Engineering or contracting personnel will accomplish maintenance, testing of all kitchens extinguishing systems at pre-described intervals. These tests as well as system cleaning will be logged and documented by the Facility Manager in as far as date, time and system status and will be available upon request by the Fire Emergency Services Fire Prevention Office.

68.19. The on-duty facility manager will ensure that all M.S.D.S materials are current and are placed in a centrally located area (Lounge) and are clearly visible to emergency crews.

68.20. The on-duty facility manager will ensure that all M.S.D.S and Site Fire Information are current and are obtained when evacuation from the facility has occurred. This information can be presented to the Senior Fire Official of the first in responding Fire Department. This will usually be a Fire Department that Malmstrom has a mutual aid agreement and will need this site-specific information for accurate and effective size-up of the incident. The facility manager will also ensure that the SFO is briefed on location, size and possible cause of fire, to include hazards associated with the area of origin as well as actions taken by occupants to suppress the fire, if any. Other duties as designated by the Fire Prevention Office.

## **69. TRAINING FOR MAF PERSONNEL**

69.1. Missile unit personnel. All Minuteman Crewmembers, Minuteman Facility Managers, Missile Maintenance personnel and all support personnel will receive a fire protection indoctrination, which must be accomplished prior to their assignment at a Missile Alert Facility. This indoctrination will be conducted on a scheduled basis (Scheduling and the maintenance of attendance records will be the responsibility of each missile squadrons training monitor and will be annotated on a SF 55) It must include, but not be limited to Fire Extinguisher use, location and identification, water systems, standpipe hose stations (until removed), alarm and detection systems, kitchen fire suppression systems and all fire hazards associated with a MAF or LF. The Fire Protection organization will annually check attendance in the form of correspondence from each Squadron training facilitator.

69.2. Training to be accomplished for all newly assigned crewmembers, facility managers and support personnel.

(a) Initial and recurring Fire Extinguisher training will be accomplished at Fire Emergency Services Flight, Building 349 and will require live training.

(b) OG Evaluator and Instructor Training, annual. Initial and recurring training will be accomplished at Fire Protection organization. This training will be for 341 OG Evaluator's and Instructors only.

(c) MAF Fire Facility Manager training, annual will be accomplished at the Fire Emergency Services Flight, Building 349. *This training will be for FMs only.*

69.3. MAF Kitchen Suppression Training will be accomplished annually. Initial training will be accomplished at Fire Protection organization; this training will be for Food Services Technicians and support persons only.

**70. Access to Heating, Air Conditioning, and Furnace Rooms.** Heating, air conditioning, and furnace rooms are OFF LIMITS to all unauthorized personnel. Doors will be locked and a key will be provided only to the Fire Chief or designated representative and other personnel authorized by the base civil engineer.

**71. Fire Safety on the Flightline and in Hangars -Responsibilities.** Personnel engaged in maintenance activities or working with aircraft, fuels, fuel dispensing vehicles, ammunitions, explosives, or combustible gases, etc. will be familiar with safety and pertinent directives pertaining to the conditions they are working in. Supervisors will be responsible for indoctrinating their personnel on the operation. Technical Order 00-25-172, AFOSH Standards 91-501, 91-100, and other DOD directives will be complied with.

71.1. Hangaring of aircraft will be in accordance with AFOSH 91-100, AFOSH 91-66, AF Technical Orders, and local fire evacuation requirements. Written emergency procedures to remove aircraft from hangars must be developed. (A copy of these procedures will be sent to 341 CES/CEFT for review and approval.) Emergency removal procedures will define responsibilities such as: fire reporting, emergency removal, and organizational assistance (e.g., tugs, etc.).

**72. Forest Fire Season (1 May –30 September) Requirements.**

72.1. During forest firefighting season, each day at 1400hrs, the 911 Dispatch Center, will contact the US Forest Service (406-791-7700) to get the current fire danger.

72.2. The 911 Dispatch Center will send an e-mail to the base web master to update the Malmstrom Internet page with the current fire danger rating. Send to <mailto:Malmstrom.Webmaster@malmstrom.af.mil>.

72.3. After 1600 hrs everyday, each MAF FM will go to the Malmstrom Intranet page to obtain the current fire danger rating. Using the fire danger rating, the FMs will follow established guidelines for MAF fire protection.

**73. IMTs Adopted.** This instruction adopts AF IMT 592, **USAF Welding, Cutting, and Brazing Permit**, and AF IMT 332, **Base Civil Engineer Work Request**. See the prescribing publications for these IMTs for completion instructions.

EVERETT H. THOMAS, Colonel, USAF  
Commander

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION***Abbreviations and Acronyms*

**AFI**—Air Force Instruction  
**AFMAN**—Air Force Manual  
**AFOSH**—Air Force Occupational Safety and Health  
**AFPD**—Air Force Policy Directive  
**BCE**—Base Civil Engineer  
**CFR**—Code of Federal Regulations  
**EPA**—Environmental Protection Agency  
**FI**—Flight Instruction  
**IAW**—In Accordance With  
**IFC**—International Fire Code  
**IBC**—International Building Code  
**LF**—Launch Facility  
**MAF**—Missile Alert Facility  
**MAFB**—Malmstrom Air Force Base  
**341SWI**—341 Space Wing Instruction  
**MSDS**—Material Safety Data Sheet  
**NFPA**—National Fire Protection Association  
**OI**—Operating Instruction  
**OSHA**—Occupational Safety and Health Administration  
**SOP**—Standard operating Instruction  
**SF**—Security Forces  
**STD**—Standard  
**TLF**—Temporary Lodging Facility  
**TO**—Technical Order  
**UCMJ**—Uniform Code of Military Justice  
**UFC (AF/DOD)**—Unified Facilities Criteria  
**UFC (NFPA—)** Uniform Fire Code  
**VAQ**—Visiting Airmen Quarters  
**VOQ**—Visiting Officers Quarters

## Attachment 2

## DESIGNATED FACILITIES FOR STORAGE OF GASOLINE POWERED EQUIPMENT

Table A2.1. Designated Facilities for Storage of Gasoline Powered Equipment.

<u>Building Number</u>	<u>Title of Facility</u>
219	Security ForcesTNG/Storage
220	Base Development Center
226	CE Vehicle Storage
349	Fire Department
320	POL Vehicle Storage
400	Supply
407	CE Readiness
408	EOD
410	Warehouse
450	POL Vehicle Repair (AGE)
471	CE Shops
510	SFS Vehicle Storage Facility
800	TMO
772	PDO
870	Vehicle Maintenance
882	Vehicle Heavy Equipment
910	Vehicle Repair
1222	Outdoor Recreation
1248	Auto Hobby Shop
1439	Vehicle Bay Only
1440	Bay 1 & 3
1448	Tractor Trailer Maintenance
1450	819 RH
1460	819 RH
1464	819 RH
1465	819 RH
1466	POL Vehicle Storage
1684	TLF Office/Storage
1705	EMI Ground Maintenance
1835	Vehicle Bay Only
All MAFS	Outside Storage Building Only