

**WEAPONS/EXPLOSIVE SAFETY PROGRAM
MANAGEMENT**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

NOTICE: This publication is available in electronic format on the local server. If you lack access, contact your Base Publishing Office.

OPR: 375 AW/SEW (SMSgt Roger D. King)
Supersedes SAFBI 91-201, 1 November 1995.

Certified by: 375 AW/SEG (Mr. Walter Hites)
Pages: 22
Distribution: F

This instruction, together with corresponding Department of Defense (DoD), Air Force, AMC, and 15 AF directives, establish the Weapons, Explosives, Hazardous Materials Transportation, Safety, and Mishap Prevention Program for Scott AFB. It applies to all activities and personnel assigned or attached to Scott AFB.

SUMMARY OF REVISIONS

Clarifies wing and unit responsibilities; establishes safe haven, refuge and secure holding procedures; adds transportation requirements and weapons safety program management; and updates explosives loading aircraft procedures.

1. Weapon Safety Program Management.	3
2. Air Force Explosives Safety Standards are in AFMAN 91-201, Explosives Safety Standards	3
3. Weapon Safety Personnel will:	3
4. Wing weapon safety personnel will participate in the quality improvement process in the following areas:	4
5. Explosives Safety Program.	4
6. Definition of Terms Explained:	5
7. Developing Explosive Operating Instructions.	7
8. Explosive Facility License.	8
9. Items or Situations not Requiring a License.	9
10. Explosives Safety Training.	9
11. Procedures for Safe Haven and Refuge.	9

12.	Secure Holding involves assistance provided by the base to a carrier's vehicle transporting sensitive or classified cargo that arrives after hours, or at the discretion of the wing commander to a vehicle in-transit when no emergency exists.	10
13.	Terminal Facility Guide.	11
14.	Safety Certification of Munitions. All nonnuclear munitions systems used by the Air Force require safety certification as specified in AFI 91-205, Nonnuclear Munitions Safety Board.	11
15.	Local Purchase of Munitions.	11
16.	Fireworks Display.	12
17.	Military Working Dog Explosives.	12
18.	Fire Extinguishers.	12
19.	Safety Requirements for Specific Facilities and Explosives are outlined in AFMAN 91-201, para 2.37.	13
20.	Compatibility of Ammunition and Explosives Items are outlined in AFMAN 91-201, para 2.42.	13
21.	Transportation Requirements are outlined in AFMAN 91-201, Section E.	13
22.	Safe Haven.	14
23.	Transporting Explosives will be accomplished IAW AFMAN 91-201, para 2.71. .	14
24.	Motor Vehicle Transportation Requirements. See AFMAN 91-201, para 2.74., for specific requirements.	14
25.	Inspection of Outgoing Shipments.	14
26.	Not Used.	15
27.	Vehicle Interchange.	15
28.	Holding Yards.	15
29.	Maintenance of Vehicles Carrying Explosives. See AFMAN 91-201, para 2.74.20., for specific maintenance procedures.	15
30.	Transport Dangerously Unserviceable Explosives for Disposal IAW AFMAN 91-201, para 2.75.	15
31.	Movement of Explosives by Air will be accomplished IAW AFMAN 91-201, para 2.77.	15
32.	Explosives-Loaded Aircraft Requirements.	15
33.	Mishap Prevention Process.	16
34.	Safety Inspections.	16
35.	Hazard Reporting:	16
36.	Specific Unit Responsibilities:	16

37. Collateral Duty Personnel. Personnel assigned duties of squadron, branch, or unit explosives safety officer/NCO will:	17
38. Wing Weapons Safety Manager will:	18
39. Chief of Safety.	19
40. Deputy Commander for Operations advises and coordinates with the Wing Weapons Safety Office on all operational plans, special plans, mobility or deployment tasking involving explosives and explosives-laden aircraft parking with the assistance of the Standardization and Evaluation Division.	19
41. Airfield Manager will:	19
42. Command and Control will:	19
43. Maintenance Aircraft Coordination Center will:	19
44. The Logistics Group Commander will through the Maintenance Squadron Commander:	20
45. Transient Alert will ensure personnel are trained to identify and comprehend the hazard potential involving parking and ground handling of explosives-laden cargo and transiting combat aircraft.	20
46. Chief of Transportation will:	20
47. Security Forces Squadron Commander will:	21
48. Combat Arms Training and Maintenance Unit will:	21
49. Civil Engineer Squadron Commander will:	21

1. Weapon Safety Program Management. In accordance with AFI 91-202, **The USAF Mishap Prevention Program**, the Weapons Safety Program is comprised of three disciplines: explosive safety, missile safety, and nuclear surety.

1.1. Units at and above squadron level with an explosives, missile, or nuclear mission must have a Weapon Safety Program.

1.2. The Wing Weapons Safety Office coordinates weapon safety for the entire base. Tenant units implement missions unique Mishap Prevention Programs where the wing does not have a mission in that area. Tenant units must coordinate any additional program functions with the Wing Safety Office to avoid duplication.

2. Air Force Explosives Safety Standards are in AFMAN 91-201, **Explosives Safety Standards**. Criteria for specific munitions and operations are specified in technical publications and other standard publications, such as command and local directives.

3. Weapon Safety Personnel will:

3.1. Monitor operations involving weapons to ensure that wing and tenant units understand and comply with all safety standards.

- 3.2. Review waivers, exemptions, and deviations from established explosive safety criteria.
- 3.3. Advise commanders of the increased damage potential these exceptions allow.
- 3.4. Ensure that units take compensatory measures to minimize mishap potential.
- 3.5. Advise each new wing commander of waivers, exemptions and deviations.
- 3.6. Annually review the Explosive Location Map (D-8), developed jointly by Operations, Safety, Logistics, and maintained by Civil Engineer. The base Explosives Location Map will include:
 - 3.6.1. Explosives hazard class, division, and the net explosive weight authorized at each site.
 - 3.6.2. Explosives safety "clear zones" required around each location based on quantity-distance criteria.
 - 3.6.3. Primary and alternate explosive movement routes through the base.
 - 3.6.4. Authorized flight-line locations for conducting explosives operations, to include explosive aircraft cargo on- or off- loading.
 - 3.6.5. Locations for handling hung ordnance.
 - 3.6.6. Arm and de-arm areas.
 - 3.6.7. Explosives support facilities, such as flight-line munitions holding areas.

4. Wing weapon safety personnel will participate in the quality improvement process in the following areas:

- 4.1. Maintenance, storage, alert, and operating locations.
- 4.2. Flight-line explosives operations.
- 4.3. Review flight-line explosives operations, operational procedures for aircraft carrying hazardous materials.
- 4.4. Explosives Ordinance Demolition (EOD) training sites and demolition activities.
- 4.5. Munitions and maintenance handling equipment quality assurance programs.
- 4.6. Planning for contingencies.
- 4.7. Licensed locations.
- 4.8. Installation support for Department of Energy (DOE) shipments (safe haven, refuge, and secure holding). (See AFI 32-4001, **Disaster Preparedness Planning and Operations**.)
- 4.9. Conduct weapon safety training for unit personnel.

5. Explosives Safety Program. Involves all materials under the definition for explosives, which are regulated by Public Law and the Department of Defense (DoD). This program also encompasses the airlift of hazardous materials and operations incidental thereto. Implementation of an effective Explosives Safety Program must be equally shared by the wing and tenant units and supported by all levels of management, supervision, and operation. A single coordinated and integrated program at this base will be accomplished by:

- 5.1. Coordination between wing and tenant representatives involved in explosives/hazardous materials transportation operations.
- 5.2. Enforcement of and compliance with safety regulations, standards, and application of safety engineering principles.
- 5.3. Recurring inspections of explosive operations and facilities, investigating, reporting, and analyzing any mishaps/incidents.
- 5.4. Awareness, identification, and elimination of hazards, development, review, and dissemination of data required for preventive and corrective actions.
- 5.5. Use of technically qualified explosives personnel and proper equipment and operators.
- 5.6. Adequate training for appropriate personnel on a frequent and continuing basis.
- 5.7. Review of selected explosives safety items and potentially dangerous operations by the Scott AFB Safety Committee.
- 5.8. Review of cross-tells, inspection reports, and reports of staff visits by higher headquarters.
- 5.9. Submission of material deficiency reports (MDR) through the Quality Office and Ammunition Disposition Reports (ADR) through the Munitions Flight for all malfunctions or inadvertent functioning or detonation of ammunition or explosives during use, handling, or storage.
- 5.10. Assisting the Civil Engineer and Safety to submit explosive site plans in accordance with AFMAN 91-201.
- 5.11. Licensing facilities that store small quantities of explosives in accordance with AFMAN 91-201.
- 5.12. Reviewing and helping to develop plans and procedures for handling emergencies to include, but not limited to, safe haven, refuge, secure holding, hazmat and disaster response required by AFI 32-4001, **Disaster Preparedness Planning and Operations**, or AFI 32-4002, **Hazardous Material Emergency Planning and Response Program**, and when required by the Clean Air Act or accidental release risk management programs for explosives.

6. Definition of Terms Explained:

- 6.1. Explosives. All ammunition, munitions fillers, demolition material, solid rocket motors, liquid propellants, cartridges, mines, pyrotechnics, bombs, grenades, warheads of all types, explosives elements of ejection and aircrew egress systems, air-launched missiles and those explosives components of missile/space systems, and assembled kits/devices containing explosives material. Explosives, explosives weight, net weight, and other like terms also refer to the fillers of an explosive item. Fillers may be explosive mixtures, propellants, pyrotechnics, and other toxic substances. This term does not include liquid fuels and oxidizers that are not used with missiles, rockets, and other such weapons or explosive items.
- 6.2. Hazardous Materials. A substance or material that is capable of posing an unreasonable risk to health, safety, and property when transported and has been so designated by AFJMAN 24-204, **Preparing Hazardous Materials for Military Air Shipments**. May also be referred to as hazardous cargo or dangerous goods. **NOTE:** For identification, listing and rules pertaining to hazardous

WASTE, refer to Title 40 CFR, Parts 260-265, **Protection of Environment**, established by the US Environmental Protection Agency (EPA).

6.3. Explosives Safety Inspection. Visit made to assigned, attached, and tenant units by explosives safety personnel to ensure compliance with applicable directives and criteria.

6.4. Explosives Safety Personnel. Individuals technically qualified through specialized training and experience in all phases of explosives operations and activities.

6.5. Discrepancy. Noncompliance with requirements in directives.

6.6. Explosive Operating Instruction. A written procedure covering explosives operations and containing preplanned steps in logical sequence, along with safety precautions, by which one expects to accomplish a given job. All operating instructions will be approved by the squadron commander or equivalent and coordinated through the Wing Safety Office and all other involved organizations.

6.7. Licensed Explosive Locations. These sites are ammunition and explosives storage locations normally outside the explosive storage area, but within the US Air Force area of control that support a specific explosives operation or mission. Compliance with compatibility and Q-D criteria is not required, except in compatibility groups A, K, and L. Use AF Form 2047, **Explosives Facility License**, for these locations. See AFMAN 91-201, Attachment 3, for completing this form. Licenses are for explosive storage only. The squadron commander approves local written procedures as the authorization for operations involving licensed explosives.

6.8. Net Explosives Weight (NEW). The actual or high-explosives equivalent weight of explosives material contained within a weapon, component, or device. NEW for Air Force munitions can be found in TO 11A-1-46.

6.9. Explosives Mishap Prevention. This program encompasses all explosive safety criteria and actions necessary to prevent mishaps or to minimize damage, except biomedical functions associated with tolerance and exposure levels for chemical, biological, and radiological (CBR) items.

6.10. Refuge. Refuge is emergency assistance provided by an installation to a carrier's vehicle transporting arms, classified materials or Class/Division 1.4 ammunition. The criteria for granting assistance are the same as for safe haven, except the installation does not have to consider quantity distance factors.

6.11. Safe Haven. Safe haven is emergency assistance provided by an installation to carrier's vehicle transporting Class/Division 1.1, 1.2 or 1.3 ammunition and explosives due to circumstances beyond a carrier's control (such as severe weather or vehicle breakdown.) A primary consideration by the installation commander is whether the load poses an unacceptable hazard to personnel or operations. This process involves an analysis of quantity distance factors involved and the ability to locate the vehicle away from populated areas. Department of Defense, DOE, and Department of Transportation uses the term "safe haven" in transportation of explosive and hazardous items. The base Transportation Officer will ensure all

personnel involved in receiving and securing explosives shipments are familiar with the Defense Transportation Regulation, DoD 4500.9-R, Part II.

6.12. Ammunition. Any munitions designed to be thrust from a gun barrel by expanding gases resulting from burning propellant. Rockets would not be included in this definition.

6.13. Environmental Security. The result of effective explosives safety management, actions, standards, and criteria that are designed to protect people, equipment, facilities, natural and cultural resources, the public, and environment that because of DoD Operational and Logistics requirements, are associated with, or exposed to, DoD ammunition and explosives-related organizations and activities

6.14. Explosive Safety. A condition where operational capability, personnel, property, and the environment are protected from unacceptable effects of an ammunition or explosives mishap.

6.15. Explosives Safety Management. A process of risk management, consisting of policies, procedures, and engineering controls, that reduces the probability and consequences of an ammunition or explosives mishap.

6.16. Explosive Mishap. An accident or an unexpected event involving DoD ammunition and explosives.

6.17. Secure Holding Area. Involves assistance provided by installations to a carrier's vehicle transporting sensitive or classified cargo that arrives after hours or, at the discretion of an installation commander, to in-transit vehicles when no emergency exists.

6.18. Quantity Distance (Q-D). The quantity of explosives material and distance separation relationships which provide defined types of protection. These relationships are based on the level of risk considered acceptable for each stipulated exposure and are tabulated in the Q-D Tables. Separation distances are not absolute safe distances, but are relative protection or safe distances.

6.19. Hazard Classification. Identifies the hazardous characteristics of explosive items by their assignment to established hazard categories governing storage and transportation. These categories are: hazard class/division (HC/D); storage compatibility group; department of transportation (DOT) class; and DOT markings.

7. Developing Explosive Operating Instructions. IAW AFMAN 91-201, **para 2.3.**, locally written instructions will be approved by the squadron commander or equivalent for all explosive operations.

7.1. Coordinate instructions with the Wing Safety Office and all other involved organizations.

7.2. Ensure instructions are available at the work site.

7.3. All personnel must understand the procedures prior to beginning an explosive operation.

7.4. Written procedures will be in the language workers understand.

7.5. Contents of Explosive Operating Instructions. Include the following information, as applicable, in locally written instructions.

7.5.1. Explosive limits, including the hazard class/division and compatibility group of the explosives involved which are found in TO 11A-1-46 and DoD 4500.9R, Part II.

7.5.2. Personnel limits, including workers and others. When determining personnel limits, see AFMAN 91-201, **para 2.5.**

7.5.3. Exact locations where operations will be done.

7.5.4. Safety requirements, to include special requirements for personal protective clothing and equipment can be found in AFOSH STD 91-31, **Personal Protective Equipment.**

7.5.5. Step-by-step procedures for doing the task. (Refer to specific steps in the TO for applicable portions of the operation.)

7.5.6. Actions to be taken during an emergency or when abnormal conditions are noted.

8. Explosive Facility License. Units requiring storage of ammunition and explosives to support a specific explosives operation or mission must obtain approval from the Wing Weapons Safety Office. The Safety Office will prepare an AF Form 2047 (**Explosive Facility License**) IAW AFMAN 91-201, **para 2.35**. The license will require unit commander's approval and be coordinated through Security Forces Squadron (Resource Protection) and Base Civil Engineer Squadron (Fire Department).

8.1. Licensed storage of mission-essential quantities (as noted below) of explosives and chemical munition items for daily operations in nonexplosives operational buildings and locations are permitted. Explosive and chemical items designated for mobility must be stored within the base Munitions Storage Area until ready for shipment. Licensing prepositioned mobility explosives is allowed, if a properly sited area is not available, only for the duration of the mobility tasking. Licensing munitions locations used solely for exercises, such as ground burst simulators and smokes storage, is allowed only for the length of the exercise. Request a license from the Wing Safety Office.

8.2. The NEW limitations for licensed ammunition and explosives storage locations are outlined in AFMAN 91-201, **para 2.35**.

8.3. The Wing Weapons Safety Office will validate the license request and the quantity of explosives to be kept, ensuring only the smallest quantities needed to support requirements are authorized. Licenses must clearly state the location and explosives quantities authorized. The Wing Safety Office coordinates with the base Fire Chief and Security Forces to decide whether to approve a request. Before granting the license, the Wing Safety Office and the base security representative will physically inspect the facility to ensure:

8.3.1. The structure or room used for storage can be locked to prevent pilferage and unauthorized handling.

8.3.2. Fire and chemical symbols are posted.

8.3.3. When necessary, dunnage will be used to provide ventilation around explosives stocks and protect them from moisture and heat buildup.

8.3.4. The base Fire Chief will coordinate on the license and include the type and quantity of fire extinguishers, their placement at the licensed location, and any additional fire prevention practices.

8.3.5. Approved operating procedures are available for the operation supported by the licensed location.

8.4. Renew licenses each time a hazard class, type or quantity of explosives changes. Review each license at least annually for continued requirement and applicability. Revoke licenses when the requirement no longer exists. Ensure the user displays a copy of the license and operating procedures at each storage location.

8.5. The Wing Weapons Safety Office keeps copies of all approved licenses for the installation, they maintain surveillance over licensed locations, and exercises cancellation authority when conditions warrant.

9. Items or Situations not Requiring a License. Ammunition that is privately owned by military members or their dependents can be stored on the base, if the military member is assigned to Scott AFB, lives in billeting or a dormitory on the base. Base housing residents (i.e., military families living in government-provided family housing) can continue to store their privately owned ammunition in their quarters. However, billeting and dormitory residents can only store their ammunition on base in an approved licensed storage facility. Privately owned ammunition will not be stored in the munitions storage area (MSA). If dormitory and billeting residents elect to store their ammunition on base, they must contact the Wing Weapons Safety Office to obtain approval to store their ammunition in a licensed explosive storage location.

10. Explosives Safety Training. Personnel who work with explosives will be trained and qualified in the tasks to be performed. They must understand all safety standards, requirements, and precautions that apply to their operations. The supervisor must be knowledgeable of all hazards involved in the operation, convey emergency procedures to the workers and visitors, and maintain strict housekeeping standards. The supervisor must also know what steps to take when abnormal conditions arise.

10.1. Individuals appointed as squadron explosive safety representatives would receive safety training from the Wing Weapons Safety Office, which augments the job training that was provided by the supervisor. Supervisors ensure this training is developed and conducted in addition to job training.

10.2. All personnel (supervisory and nonsupervisory) who operate, handle transport, maintain, load, or dispose of explosives must receive initial Explosive Safety Training before performing any of those tasks. Recurring training will be conducted annually thereafter, not later than the end of the month in which the initial training was conducted.

10.3. Tailor the Explosive Safety Training given to an individual to the specific duties and weapons systems.

11. Procedures for Safe Haven and Refuge. When DoD and DoD-sponsored Arms, Ammunition and Explosives (AA&E) or classified shipments are en route and prevented from proceeding to destination by emergencies or other circumstances beyond the carrier's control, at the request of Military Traffic Management Command (MTMC) personnel, the wing commander will grant safe haven or refuge. Safe haven or refuge may also be granted en route for other government agency-sponsored shipments, when requested.

11.1. During emergencies, such as carrier strike, civil disorder, natural disaster, carrier driver or qualified employee will be notified by the emergency hot line. Hot-line personnel will provide availability of activities that can provide safe haven or refuge.

11.2. Carrier representative will contact the hot line or selected activity to arrange safe haven or refuge. The MTMC may be contacted for further assistance.

11.3. Each carrier whose vehicle is granted safe haven or refuge must be apprised of their policies by selected activity orally or, in writing, as follows:

11.3.1. Granting of safe haven does not relieve the carrier of liability under the Government Bill of Laden (GBL) contract of carriage.

11.3.2. The US Government does not assume responsibility for shipment or carrier equipment, so long as terms and conditions of providing safe haven are not inconsistent with those of the GBL contract of carriage.

11.3.3. It is within the prerogative of the wing commander to require carrier personnel to remain with the vehicle to fulfill transportation protective service requirements.

11.3.4. The safe haven or refuge provided is strictly temporary in nature and the vehicle must be removed as soon as the wing commander or appropriate civil authority determines that the shipment is no longer in danger.

11.3.5. When shipments are accorded a temporary storage area for safe haven or refuge, terminal security standards prescribed in DoD 5100.76-M, Appendix C, as implemented by DoD component regulations will apply. These standards also apply when a vehicle contains the shipment of classified material or uncategorized class/division 1.1, 1.2, and 1.3 explosives as follows:

11.3.5.1. SECRET shipments will be accorded the same protection as required for sensitive Category I shipments.

11.3.5.2. CONFIDENTIAL shipments, except for those assigned CAT I or II, will be accorded the same protection as required for CAT III and IV material.

11.3.5.3. Compatibility restrictions and quantity-distance requirements of DoD 6055.9-STD and AFMAN 91-201, as implemented by shipper-service regulations will be followed.

11.3.5.4. Shipping documents will be examined to prevent entry of an unauthorized shipment into the activity.

11.3.5.5. Transportation Facility Guide or MTMC Pamphlet 385-1 may be consulted to determine safe haven or refuge capabilities of specific activities.

12. Secure Holding involves assistance provided by the base to a carrier's vehicle transporting sensitive or classified cargo that arrives after hours, or at the discretion of the wing commander to a vehicle in-transit when no emergency exists. The wing commander will make the same kinds of determinations as safe haven or refuge. However, the following provisions apply:

12.1. Drivers should not ask for "safe haven" if there is no emergency.

12.2. Installations having the capability to provide safe haven, refuge, or secure holding areas for after-hours arrivals are required to do so. For in-transit situations, the base will consider providing secure holding or ensuring the driver has a viable alternative rather than placing the public and cargo at risk by turning them away.

12.3. Secure holding areas are required to protect vehicle transporting AA&E or classified shipments that arrive, but cannot be off-loaded at destination. If capabilities exist, the base will provide protection to the shipment. If a secure holding area cannot be provided, the base will assist in finding a nearby secure location or ensure the carrier can use a commercial terminal that meets DoD safety and security requirements.

12.4. For vehicles in transit, the wing commander will determine the potential danger to public safety as well as shipment security requirements. Assistance will be rendered when, in the judgement of the wing commander, the public safety or shipment security would be jeopardized. This applies regardless of the base's mission or final destination of the shipment.

12.5. Prior to making an AA&E or classified shipment, the shipping activity transportation office will ascertain, in coordination with the base Transportation Office, that shipments requiring security protection can be received at destination.

12.6. Report problems with carrier abuse of secure holding areas by using normal transportation discrepancy procedures.

12.7. Safe haven and refuge procedures apply to protection of vehicles in secure holding areas. However, carriers should request secure holding areas directly from the wing commander as far in advance as possible. The emergency hot line may be used for assistance where problems arise.

13. Terminal Facility Guide. Carriers can ask for safe haven, refuge, or secure holding when required to do so. However, to obtain emergency services for safe haven and refuge, the carrier or dispatcher must directly call the MTMC Safety and Security Hotline at (800) 524-0331 for instructions. For secure holding, the carrier is required to make arrangements directly with the wing commander. Carriers obtain information about a facility via the **Terminal Facilities Guide** AR 55-359 or MTMC Pamphlet 385-1. Carriers are expected to make arrangements for Secure Holding well in advance so the base can take the steps necessary to assist the carrier.

14. Safety Certification of Munitions. All nonnuclear munitions systems used by the Air Force require safety certification as specified in AFI 91-205, **Nonnuclear Munitions Safety Board**.

15. Local Purchase of Munitions. Local purchase of commercial explosives or munitions items is prohibited, unless they are approved for local purchase by Ogden Air Logistics Center (OO-ALC). Contact the Munitions Section (375 MXS/LGMW) for guidance.

15.1. The Chief of Supply procures and establishes stock levels for local purchase (LP) ammunition items. Apply the provisions of AFMAN 23-110, **Volume 1, Part 1, Chapter 8, and Volume 1, Part 3, Chapter 6**.

15.2. You may purchase commercial explosives locally if stock listed, approved for local purchase by OO-ALC, and published in TO 11A-1-46, **Fire Fighting Guidance, Transportation, and Storage Management Data and Ammunition Complete Round Chart**. No purchases of commercial explosives occur unless certified in accordance with AFI 91-205.

15.3. If you need to purchase commercial explosives, submit a completely justified request through channels to the Non-Nuclear Munitions Safety Board in accordance with AFMAN 91-201. Because of the security and safety requirements for ammunition and explosives, you may usually only procure as much explosives as you can consume within a 30-day period.

15.4. Submit all requirements for ammunition or explosive items that are stock-fund managed to the Chief of Supply.

15.5. The Chief of Supply forwards all requests for local purchase ammunition items to the Munitions Section (375 MXS/LGMW) for local review and approval before processing. The Munitions Section will:

15.5.1. Verifies the customer has an approved munitions allowance.

15.5.2. Determines why the customer cannot order the item through munitions operations channels.

15.5.3. Verifies storage and security requirements.

15.5.4. Coordinates requests with the Wing Weapons Safety Office.

15.5.5. Submit requests for approval according to AFI 21-202, **Combat Ammunition System Procedures**. HQ AFSC/SE approves emergency requirements.

16. Fireworks Display. Commercial fireworks are extremely hazardous, even in the hands of trained experts. Air Force personnel, on or off-duty, will not take part in the transportation, storage, setup or functioning of commercial fireworks for on-base fireworks displays. Units must contract with properly licensed commercial firms to provide all necessary transportation, storage and security, setup, and functioning of fireworks. Contractors must comply with safety guidelines in NFPA 1123, Code for Fireworks Display. Prior to fireworks display, the Weapons Safety Office will develop site plans.

17. Military Working Dog Explosives. Military Working Dog hazard class/division (HC/D) 1.1 explosives training aids may be transported and handled by qualified personnel in areas of the base which provide realistic and effective training.

17.1. Preclude exposure of personnel not related to the training through prudent scheduling and selection of training sites. Post proper fire symbols at training sites.

17.2. Train, using locally approved operating instructions. These instructions must include a documented post-training inventory of explosives samples ensuring no explosives are inadvertently left at the training site or discarded.

17.3. Inform the Wing Safety Office, Fire Department, and Security Forces Squadron before conducting operations.

18. Fire Extinguishers. Unless otherwise directed by the Fire Chief, provide a minimum of two serviceable fire extinguishers, suitable for the hazards involved, for immediate use at any location where explosives are being handled. See **para 8.**, this instruction, for licensed locations.

18.1. Make at least one fire extinguisher available for each item of powered materials handling equipment used to handle or transport explosives. Individual fire extinguishers are not required for each piece of handling equipment located at individual explosive locations if the requirements of **para 18.** are met. However, if handling equipment is used to transport explosives between locations, individual fire extinguishers are required.

18.2. Provide each explosives-laden vehicle used for transport at least two portable 2A: 10BC-rated extinguishers. If explosives-laden vehicles are parked at an explosive location, additional fire extinguishers beyond those required in **para 18.** are not required. If the vehicle leaves the explosives location, additional extinguishers are required.

18.3. Provide flight-line fire extinguishers for each aircraft according to munitions loading manuals and AFOSH Standard 91-56, **Fire Protection and Prevention**.

18.4. Fire Prevention Requirements are outlined in AFMAN 91-201, **para 2.21**.

18.5. Emergency Withdrawal Distances for essential and nonessential personnel are outlined in AFMAN 91-201, **para 2.24**.

18.6. Explosives and Chemicals Placarding (Fire Symbols) Guidance are outlined in AFMAN 91-201, **para 2.25**.

19. Safety Requirements for Specific Facilities and Explosives are outlined in AFMAN 91-201, **para 2.37.**

20. Compatibility of Ammunition and Explosives Items are outlined in AFMAN 91-201, **para 2.42.**

21. Transportation Requirements are outlined in AFMAN 91-201, Section E.

21.1. Explosive Movement Routes on Base. Designate the safest possible primary and alternate explosives movement routes to cover all phases of movement. Identify routes and any limitations on explosives quantities by hazard class/division in base publications. Avoid built-up areas and key, mission-oriented facilities and equipment to the maximum extent possible. **EXCEPTION:** Movements of munitions within a munitions storage area or to and from licensed storage locations are not restricted to designated routes.

21.1.1. Entry/Exit. All explosives, ammunition (to include small arms), or other hazardous material transported by surface vehicle will enter or exit Scott AFB via the Mascoutah Gate. Commercial carriers will be escorted while on Scott AFB.

21.1.2. Established Routes. All explosives ammunition, Poison A, or other hazardous material transported on Scott AFB, to include "safe haven, refuge and secure holding," will use the following established routes. Deviations from established routes must be coordinated with the Wing Weapons Safety Office, prior to their use and will avoid all key resources and facilities. These routes do not apply to host or tenant munitions custody or consumption accounts or to base Security Forces Explosives Detection Dog personnel conducting operational training. However, all routes traveled will be direct and will avoid heavily populated or congested base areas as much as possible. Except for emergencies, en route stops will not be made.

21.1.3. Primary Route for Surface/Commercial Carriers. The Mascoutah Gate will be used as a Vehicle Inspection Station for all incoming/outgoing explosive shipments. It will be used for temporary parking of vehicles requesting safe haven, refuge, and secure holding. Also, aircraft parking area (Hot Spot 1) will be used as an alternate location to park safe haven, refuge, and secure holding when needed. Incoming vehicles carrying explosives will be held-up at the "vehicle inspection point" immediately inside the Mascoutah Gate until safe to continue.

21.1.4. Primary Explosive Route to the Munitions Storage Area. For shipments terminating at Scott AFB (reverse routes for exiting Scott), enter Mascoutah Gate and proceed to the intersection of South Drive. Turn right on South Drive, left onto East Drive, left onto Garfield Street, and enter the Munitions Area.

21.1.4.1. Alternate Explosive Route to the Munitions Storage Area. Must be escorted by Security Forces/Base Operations Personnel. Security Forces/Base Operations personnel must be in radio contact with the tower prior to entering taxiways and runway. Enter Mascoutah Gate and proceed to the intersection of South Drive. Turn right on South Drive and continue to the intersection of W. Warehouse Drive. Turn left into the Aero Club Ramp, right onto Garfield Street, proceed to the Munitions Storage Area.

21.1.4.2. For temporary "safe haven, refuge, and secure holding" parking (reverse routes for exiting Scott):

21.1.4.3. Movement routes are identified on the Base Explosive Map D-8.

21.1.5. Primary Route to the Flight Line. Must be escorted by Security Forces/Base Operations Personnel for Hot Spot 1 Parking. Security Forces/Base Operations personnel must be in radio contact with the tower prior to entering taxiways and runway. Enter Mascoutah Gate and proceed to the intersection of South Drive. Turn right on South Drive and continue to the intersection of W. Warehouse Drive. Turn left into the Aero Club Ramp, right onto the Aero Club Taxiway and onto Runway 32. Continue on Runway 32 to Taxiway D. Turn left onto Taxiway D, and proceed to Taxiway B (Hot Spot 1).

21.1.5.1. Alternate Route to the Flightline. Enter the Mascoutah Gate and proceed to the intersection of South Drive. Turn right on South Drive, left onto East drive, left onto Garfield Street, and right onto Maple Street. Proceed onto Maple Street until you reach Taxiway B. Turn left onto Taxiway B until you reach Hot Spot 1.

22. Safe Haven. The wing commander may authorize explosives laden carriers to temporarily station their cargo; however, the authorization is not to exceed the duration of the emergency. See AFI 32-4001 and 32-4004 for security requirements and other information.

23. Transporting Explosives will be accomplished IAW AFMAN 91-201, **para 2.71.**

24. Motor Vehicle Transportation Requirements. See AFMAN 91-201, **para 2.74.**, for specific requirements.

24.1. Inspection of Incoming Shipments. All incoming motor vehicles carrying hazard class 1 explosives and other hazard class items that carry an explosives compatibility group, except HC/D 1.4, will be inspected at a designated inspection station (Mascoutah Gate) by a representative of the Transportation Squadron, Munitions Flight, and Wing Safety Office before further routing on base. Q-D does not apply for inspection purposes only.

24.1.1. The inspection station has been located to the Mascoutah Gate to prevent interference with other hazardous areas, such as explosives, POL sites, populated areas, and flight lines.

24.1.2. In the event the inspection station is used as an explosives storage or suspect vehicle holding area, the Wing Weapons Safety Office will develop waiver criteria, as outlined in AFMAN 91-201, Chapter 5. Also, vehicle inspections must be stopped while storage or operations are in progress.

24.1.3. Inspections will be done using DD Form 626, **Motor Vehicle Inspection** (Transporting Hazardous Material).

24.1.4. Once a vehicle has passed the initial inspection, a visual inspection of the external condition of the cargo may be done at any suitable location, including the unloading point.

24.1.5. The Wing Safety Office and Fire Department will be notified if any vehicle found or suspected to be in a hazardous condition. The vehicle will be isolated from other locations by the proper Q-D, unless it is more hazardous to move the vehicle.

25. Inspection of Outgoing Shipments. All vehicles to be used for off-base shipments of explosives will be inspected by shipping activities before and after loading for compliance with safety regulations.

25.1. Complete DD Form 626 according to DTR 4500.9R Part 2.

25.2. Maintain a record of the vehicle number, type of explosive cargo, and the number of each seal applied to the vehicle.

25.3. Air Force drivers must be qualified to operate the vehicle and knowledgeable of the explosives being transported and associated hazards. In addition, Air Force civilian drivers must have a Commercial Drivers License, with a hazardous materials endorsement, to transport explosives off a military installation. See AFMAN 24-309, **Vehicle Operations, Chapter 4**.

25.4. A DD Form 836, **Shipping Paper and Emergency Response Information for Hazardous Materials Transported by Government Vehicles**, will be used to instruct drivers on the nature of their cargo, firefighting methods, and other specific precautions for that particular shipment. Information on the preparation and use of DD Form 836 is in DTR 4500.9R Part 2.

25.5. Where special purpose vehicles are authorized to transport explosive loads, applicable technical data will be used.

25.6. Use of DD Forms 626 or 836 is not required for military vehicles or drivers transporting explosives from one part of a base to another.

26. Not Used.

27. Vehicle Interchange. Where necessary, vehicle interchange will be conducted at the Mascoutah Gate or Hot Spot 1. This location will be used for the exchange of tractor-trailers between the common carrier and the base activity involved. Explosives Q-D criteria will not be applied if the exchange is made and the vehicles removed promptly.

28. Holding Yards. If the explosives-loaded vehicles cannot be dispatched or unloaded immediately, they must be moved to the Mascoutah Gate or Hot Spot 1.

28.1. Loaded vehicles should not remain in a holding yard for a period exceeding 1 working day.

28.2. Holding yards may be used for interchange and inspection activities. However, when loaded vehicles are being held there, the yard may not be concurrently used for vehicle inspections.

29. Maintenance of Vehicles Carrying Explosives. See AFMAN 91-201, **para 2.74.20.**, for specific maintenance procedures.

30. Transport Dangerously Unserviceable Explosives for Disposal IAW AFMAN 91-201, **para 2.75**.

31. Movement of Explosives by Air will be accomplished IAW AFMAN 91-201, **para 2.77**.

32. Explosives-Loaded Aircraft Requirements. Parked explosives-loaded aircraft must comply with minimum airfield criteria in AFI 32-1026, **Planning and Design of Airfields**, and AFMAN 91-201, **Para 3.25**. Also, see SAFBI 13-201, **Airfield Operations and Air Traffic Control, paras 3.5. and 3.5.1.**, for hot armament aircraft handling.

32.1. The primary parking, loading, and unloading spot for aircraft transporting up to 30,000 pounds net explosives weight (NEW) of explosives (DoD Class 1, Division 1, and Class 1, Division 2, Categories 04, 08, and 12) is Hot Spot No. 1, Taxiway B, grid coordinates 22.1/K2. Local security forces will provide security as required.

32.2. Hot spots will also be used to park "safe haven, refuge, and secure holding" vehicles or other aircraft loaded with other hazardous materials that present too great a hazard to personnel and resources to preclude alternate parking. Radio contact and tower clearances must be obtained prior to entering taxiways and runways.

33. Mishap Prevention Process. The Wing Safety Office implements the Mishap Prevention Program for all Air Force units on base IAW AFI 91-204. Tenant units support the base Mishap Prevention Program and adapt it to their needs.

34. Safety Inspections. Safety inspections help identify hazards and measure compliance with safety program requirements outlined in AFI 91-301. Through inspections, the Wing Safety staff helps the commander determine the condition of work areas, the safety of work practices, the degree of compliance with safety and health standards, and the degree of compliance with safety program requirements. The weapons safety staff and functional manager:

34.1. Will inspect all explosive locations at least once a year, except as otherwise directed.

34.2. Will inspect all high-interest areas monthly by spot inspection and annually as part of the explosive location inspection.

34.3. Will inspect all explosive locations periodically through spot inspections.

34.4. Inspections will be either "prior-notice" or "no-notice." Inspections will be combined with other inspections to reduce the number of inspections a unit receives.

35. Hazard Reporting:

35.1. Reporting Criteria. Submit hazard reports unless personnel can take corrective action under any of these Air Force publications:

35.1.1. AFI 11-215, **Flight Manuals Program (FMP).**

35.1.2. AFI 91-204, **Safety Investigations and Reports.**

35.1.3. TO 00-5-1, **Air Force Technical Order System.**

35.1.4. TO 00-35D-54, **USAF Materiel Deficiency Reporting System.**

35.1.5. AFI 51-1101, **The Air Force Procurement Fraud Remedies Program.**

36. Specific Unit Responsibilities:

36.1. Commander's Responsibilities. All commanders having a mission or participating function involving explosives or the transportation of hazardous materials are responsible for implementing a mishap/incident prevention program. They will:

36.1.1. Enforce safety standards and all mishap prevention procedures.

36.1.2. Maintain an open line of communication and coordination with the Wing Weapons Safety Office on all directives, which involve explosives or transporting of hazardous materials.

36.1.3. Assign only trained and qualified personnel to perform activities involving explosives or transportation of hazardous materials.

36.1.4. Appoint an officer, NCO, or qualified civilian employee and an alternate to represent the unit commander in all matters affecting explosives or hazardous materials transportation safety. Ideally, these individuals should be familiar with the operations; however, commanders may combine explosives, ground, and flight (if applicable) safety programs under a single representative.

36.1.5. Immediately notify the Wing Weapons Safety Office and the Scott Command Post when mishaps occur involving explosives or transportation of hazardous material. Prompt notification will enable the Wing Explosives Safety Manager to advise the responsible commanders of reportability or other necessary actions.

36.1.6. Review all safety inspection findings in their areas of responsibility for lasting corrective actions and any necessary follow-up required as a result of the findings.

36.1.7. Provide a copy of all incoming and outgoing messages pertaining to explosives or hazardous materials transportation to 375 AW/SEW.

36.1.8. Review and certify the need to store minimal quantities of operational necessity explosives within the organization. Certification is accomplished via AF Form 2047, which is submitted to 375 AW/SEW for approval.

36.1.9. Initiate MDR's in accordance with TO 00-35D-54 for defective or malfunctioning explosives/components discovered during use, handling, or storage.

36.1.10. Ensure the Fire Department is notified of all munitions movements involving Class/Division 1.1, 1.2, 1.3, and 1.4 explosives movements in excess of 1,000 pounds gross weight.

36.1.11. Ensure all personnel comply with explosives safety standards for transporting of explosives or ammunition

36.1.12. Develop explosives operating instructions, in accordance with AFMAN 91-201, **paras 2.3. and 2.4.**

37. Collateral Duty Personnel. Personnel assigned duties of squadron, branch, or unit explosives safety officer/NCO will:

37.1. Contact the Wing Weapons Safety Office to arrange for training on their duties and responsibilities. Training will normally be accomplished within 30 days after appointment.

37.2. Act as their commander's representative on all matters affecting explosives or hazardous materials transportation safety.

37.3. Keep their commander informed of all inspection discrepancies, unsafe working conditions or practices, and other cross-tells that could affect the unit's explosives or hazardous materials transportation program.

37.4. Conduct and document unit spot inspections on a continuous basis. Inspection frequency is determined by the functional area commander or supervisor. Documentation may be accomplished using an inspection log.

37.5. Ensure all unit personnel selected to operate explosives-loaded vehicles/materials handling equipment (forklifts, metro vans, K-loaders, flatbeds, etc.) receive squadron explosives training and are tested on procedures for transporting explosives.

37.6. Ensure explosives training lesson plans/guides and test for explosive vehicle/MHE operators are developed and coordinated through the Wing Weapons Safety Office prior to use.

37.7. Ensure unit personnel whose duties involve handling, storage, functioning, transporting, or using explosives, are trained and qualified in the tasks performed. Training will be conducted initially upon assignment and annually thereafter. Training will be documented. (Lesson plans/guides will be developed by the unit, coordinated through the Wing Weapons Safety Office, and used to conduct this training.)

37.8. Ensure all munitions devices used for training are activated only in approved areas on Scott AFB and that all munitions residue (packing materials, empty munitions cases, boxes, items, etc.) are returned to the Munitions Flight, for inspection, certification, or reuse.

37.9. Report mishaps/incidents or deficiencies involving explosives to Wing Weapons Safety Office through the Scott Command Post immediately.

38. Wing Weapons Safety Manager will:

38.1. Plan, coordinate, and direct the Wing Explosives, Range, and Hazardous Materials Transportation Safety Programs for all wing and tenant units on Scott AFB.

38.2. Serve as a member on committees, boards or councils, and attend meetings, conferences or seminars, which address explosives or hazardous materials transportation safety.

38.3. Coordinate on all locally developed (wing/base) plans, publications, or policies concerning explosives and hazardous materials transportation safety.

38.4. Advise commanders of factors that would impact on their assigned mission, as related to explosives or hazardous materials transportation safety.

38.5. When emergency conditions or operational necessity dictates, advises the wing commander of his or her waiver authority or the use of reduced quantity distance criteria.

38.6. Review civil engineer site or construction plans for consideration of explosives safety standards.

38.7. Coordinate on all procurement actions concerning local purchase munitions and all contracting actions, which impact explosives facilities.

38.8. Coordinate on host-tenant or interservice agreements, which indicate wing explosives safety support.

38.9. Investigate explosives/hazardous materials mishaps and function as the explosives safety member on safety investigation boards appointed IAW AFMAN 91-204.

38.10. Maintain information on higher headquarters or DoD Explosives Safety Board Inspections or Surveys, to include all findings and corrective actions taken.

38.11. Train unit explosive safety officers and NCOs.

38.12. Approve/disapprove requests and ensure compliance with explosives facility-licensing requirements.

38.13. Review/coordinate unit lesson plans involving explosives training.

38.14. Approve downloading, adjacent to the Munitions Storage Area, of munitions from civilian transportation vehicles containing Class A and/or B munitions not destined for here. Approval may be granted only when the Class A and/or B munitions are not handled while accessing the munitions.

39. Chief of Safety. The Chief of Safety will review the qualifications of assigned safety personnel and recommend to the wing commander the appointment of a collateral duty explosives and hazardous materials transportation safety manager.

40. Deputy Commander for Operations advises and coordinates with the Wing Weapons Safety Office on all operational plans, special plans, mobility or deployment tasking involving explosives and explosives-laden aircraft parking with the assistance of the Standardization and Evaluation Division.

41. Airfield Manager will:

41.1. Ensure hazardous cargo or combat-configured aircraft parking spots are designated for aircraft loading or unloading at or transiting Scott AFB.

41.2. Coordinate with the Scott Command Post when aircraft loaded with nuclear or nonnuclear munitions, poisons, etiologic or nerve agents are arriving or departing Scott AFB.

41.3. Ensure hazardous cargo or combat-loaded aircraft grounding points are available at all parking locations.

41.4. Ensure familiarity with DOE "safe haven, refuge, and secure holding" for carriers transporting DoD arms, ammunition, and explosives. Provide "Hot Spot" parking, as appropriate, consistent with the hazard and security requirements for the shipments.

42. Command and Control will:

42.1. Coordinate with all appropriate base agencies on the inbound/outbound cargo; combat aircraft transporting or configured with munitions, hazardous materials, or inert munitions devices. Ensure explosives aircraft parking locations are properly identified and used to park munitions-loaded aircraft.

42.1.1. Provide advance notification and aircraft parking location to Transient Alert. Provide aircraft grounding, fire extinguisher, and munitions placarding support for explosives-loaded cargo, or combat aircraft transiting Scott AFB.

42.1.2. Coordinate operating requirements with Airfield Operations Flight when aircraft loading and unloading activities involve explosives or hazardous materials.

42.2. Ensure personnel are familiar with preparing, processing, and dispatching of explosives and hazardous cargo departure messages and this instruction.

42.3. Upon receipt of a Lightning Watch/Warning from the Operations Support Squadron (375 OSS/OSW) Duty Forecaster, the Command Post (375 AW/CP) will notify all wing and tenant units having an explosive mission of lightning within 5 nautical miles of Scott AFB. The 375 AW/CP will also notify these same units upon the cancellation of Lightning Watches/Warnings.

43. Maintenance Aircraft Coordination Center will:

43.1. Ensure transition aircrew members safety pins all explosives actuated egress and external stores jettison systems.

43.2. Coordinate with Wing Weapons Safety Office on maintenance functions that have an involvement with or impact on munitions or hazardous cargo loads.

44. The Logistics Group Commander will through the Maintenance Squadron Commander:

44.1. Coordinate material deficiency reports and AFTO Forms 22, **Technical Order Improvement Report and Reply**, submitted regarding explosives and munitions with the Wing Weapons Safety Office.

44.2. Ensure information on restricted, suspended, and released explosives and ammunition lot numbers is distributed to all affected host or tenant units.

44.3. Ensure that proper facilities are available and used for ammunition or explosives receipt, issue, storage, and inspection.

44.4. Provide the Wing Weapons Safety Office a copy of all authorized ammunition inspection and certification personnel.

44.5. Ensure all custody or supply point accounts comply with established safety standards for transportation of explosives or ammunition prior to issue transactions. Standards include proper fire symbols on vehicles, ammunition and explosives compatibility, fire extinguishers, and any other applicable safety standards.

44.6. Establish procedures for the local purchase of commercial explosives in accordance with AFMAN 23-110, Vol 1.

45. Transient Alert will ensure personnel are trained to identify and comprehend the hazard potential involving parking and ground handling of explosives-laden cargo and transiting combat aircraft.

46. Chief of Transportation will:

46.1. Coordinate all terminal facilities guide changes regarding explosive capabilities with Wing Weapons Safety Office.

46.2. Coordinate with the Scott Command Post when aircraft or vehicles loaded with nuclear or non-nuclear munitions, poisons, etiologic or nerve agents are arriving or departing Scott AFB.

46.3. Ensure airfreight procedures have been developed for handling military or contract hazardous materials air shipments.

46.4. Coordinate operating requirements with Scott Command Post when aircraft loading and unloading activities involve explosives or hazardous materials.

46.5. Ensure vehicle inspections for all explosives and hazardous materials-loaded vehicles, arriving or departing Scott AFB are conducted in accordance with AFMAN 91-201 and AFR 75-2, **Defense Traffic Management Regulation**. Incoming vehicle inspections will be conducted at the "vehicle inspection point" immediately inside the Mascoutah Gate.

46.6. Provide guidance to all agencies concerning compliance with Department of Transportation and DOD hazardous material placarding, labeling, packing, and shipping regulations.

46.7. Complete and make distribution of packaging and handling deficiency reports in accordance with AFR 400-54, **Reporting of Item Packaging Discrepancies**, when explosives or other hazardous materials are involved.

47. Security Forces Squadron Commander will:

47.1. Provide authorized entrance/exit and escort of surface carriers transporting explosives/dangerous materials on Scott AFB to ensure approved routing to proper destinations.

47.2. Ensure surface carriers loaded with explosives or other hazardous materials (i.e., poisons, radioactive materials, etiologic, etc.) enter or exit Scott AFB via the Mascoutah Gate only.

47.3. Notify Surface Freight, Fire Department, Munitions Management, and Wing Explosives Safety personnel when hazardous materials-loaded vehicles arrive at Scott AFB. The Scott Command Post should be used as the central notification point and for other than normal duty hour notification.

47.4. Coordinate all tactical or training exercises involving explosives with the Wing Weapons Safety Manager.

47.5. Coordinate all AF Forms 2047 for compliance with resource protection standards.

47.6. Ensure explosives dog handlers coordinate with the Fire Department and Explosive Safety, prior to conducting bomb dog training.

47.7. Develop and implement security and handling procedures for the emergency temporary storage/parking and security for DoD shipments requesting "safe haven, refuge, and secure holding" at Scott AFB.

48. Combat Arms Training and Maintenance Unit will:

48.1. Ensure strict enforcement of firearms and range safety rules.

48.2. Maintain ranges in a manner consistent with Air Force standards.

49. Civil Engineer Squadron Commander will:

49.1. Ensure the base Fire Station maintains a base map that identifies all base explosives storage locations and their applicable fire and chemical hazard symbols.

49.2. Ensure the base Fire Station maintains current prefire plans in accordance with AFI 32-2001.

49.3. Ensure the dispatcher's log identifies fire and chemical hazard symbol changes to explosives locations, notification of inbound or outbound and transiting hazardous cargo and combat-configured aircraft, notification of inbound hazardous cargo-loaded vehicles, and notification of bomb detector dog training.

49.4. Ensure Fire Protection Branch coordination on all requests to weld, cut, or otherwise use flame-producing equipment around explosives or munitions stocks and on all AF Forms 2047.

49.5. Coordinate with the Wing Weapons Safety Office during update of master plan drawings to ensure explosives quantity distance criteria is complete and accurate for all existing or proposed facilities. Quantity distance zones will not be included for proposed facilities until USAF site plan approval has been received.

49.6. Submit six copies of explosives site plans, prepared in accordance with AFMAN 91-201 to the Wing Weapons Safety Office for review and forwarding to 15 AF/SEW. Also, provide the Wing Weapons Safety Office one copy of all higher headquarters explosives site plan approvals.

49.7. Ensure the Civil Engineer Electrical Shop maintains on file a record of all ohm meter readings for each test point tested in the Munitions Storage Area or other appropriate facilities. Written reports reflecting actual meter readings will be provided to the facility or area custodian for all lightning protection and static ground test points.

49.8. Maintain streets and roads used as primary and alternate explosives routes and roads within the munitions area. Roads must be smooth and meet all-weather use standards.

49.9. Coordinate all tactical or training exercises involving explosives with the Wing Weapons Safety Office to ensure compliance with established safety standards.

SCOTT D. WEBER, Lt Col, USAF
Chief of Safety