

BY ORDER OF THE COMMANDER



**MCCONNELL AIR FORCE BASE
INSTRUCTION 91-202**

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Safety

EXPLOSIVE SAFETY PROGRAM

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AF Policy Directive 91-2, *Safety Programs*, and AFI 91-202, *The US Air Force Mishap Prevention Program*. It establishes responsibilities and procedures for the McConnell Air Force Base Weapons Safety Program. The goal of the program is to help each commander involved with munitions, explosives, and or transportation of hazardous cargo operation to carry out the unit mission without accidental injury to or loss of personnel, property, or equipment. This program applies to all Department of Defense (DoD), organizations and contractors who handle munitions or explosives on MAFB or MAFB leased land, use AF owned storage facilities and transport explosives or hazardous cargo on MAFB.

1. References.

- 1.1. AFJMAN 24-204, Preparing Hazardous Material for Military Air Shipment
- 1.2. AFMAN 91-201, Explosives Safety Standards
- 1.3. AFI 91-202, The USAF Mishap Prevention Program
- 1.4. AFI 91-204, Investigating and Reporting US Air Force Mishaps
- 1.5. Technical Order 11A-1-46, Fire Fighting Guidance, Transportation and Storage Management Data and Ammunition Complete Round Chart
- 1.6. Technical Order 11A-1-60, Inspection of Reusable Munitions Containers and Scrap Material Generated from Items Exposed to or Containing Explosives
- 1.7. DoD 6055.9-STD, DoD Ammunition and Explosives Safety Standards

2. Explanation of Terms.

- 2.1. Discrepancy: Noncompliance with requirements in directives.

2.1.1. Exemption: A relatively long-term departure from a mandatory requirement of the quantity-distance (Q-D) standards of AFMAN 91-201. An exemption may be granted by law, congressional resolution, or by a finding and determination by the secretary or under-secretary of a military department.

2.1.2. Deviation: Written authorization, which allows a specific departure from a mandatory requirement of AFMAN 91-201 other than Q-D criteria. HQ AMC/SEW determines approval level for each deviation request. A deviation is granted for three years.

2.1.3. Waiver: A relatively short-term violation of the Q-D requirements of AFMAN 91-201. Five years or less is considered short term. Waivers will be reviewed annually on the anniversary of the approval date. Reviews should consider all possible alternatives for eliminating or lessening the exceptions, insure the requirement for the conditions causing the exception still exist because of strategic or compelling reasons, and to ensure compensatory actions/stipulations are still in force.

2.1.4. Event Waiver: Has the same definition as a waiver, except the condition or circumstances causing the waiver arises unexpectedly and there is not enough time to comply with a formal waiver submission procedure. It must not be used as a replacement for proper planning. Event waivers are only applicable for day-to-day operations. The responsible commander (22 ARW/CC) may approve the length of the emergency but not to exceed 72 hours. A copy must be immediately forwarded to HQ AMC/SEW. An event waiver may only be applied to a situation once, then a permanent solution must be sought or a formal waiver requested.

Departure from known standards must only be considered when strategic or compelling situations demands it. Ease of operation is not considered a valid excuse or reason. All reasonable alternatives must be considered prior to submitting a waiver, deviation or exemption package.

2.1.5. Quantity-Distance (QD): The quantity of explosive material and distance separation relationships that provide defined types of protection. These relationships are based on the level of risk considered acceptable for each stipulated exposure and tabulated in the Q-D tables of AFMAN 91-201. Separation distances are not absolute safe distances but are relatively protective or safe distances.

2.2. Explosives Area or Location

2.2.1. Cargo and Combat Aircraft Explosives Parking Area. Hot Cargo Pad's Delta-1 through 5, Echo -1 through 5, Able-1 through 21, Baker-1 through 24 are the only explosive sited areas to park cargo or combat aircraft carrying explosives. See MAFBI 91-205 for a detailed breakdown of authorized explosives at each location.

2.2.2. Licensed Storage Locations: Formal permission to store explosives or munitions outside the sited explosives storage area.

2.2.3. Explosives Storage Area: A designated area of explosives-containing facilities set aside for the exclusive storage or "warehousing" of the base explosives stocks. Facilities include igloos, magazines, operating buildings, modules, revetments, and outdoor storage sites.

2.3. Explosives High Accident Potential (HAP) Mishaps: These are explosive mishaps with high potential for causing injury or damage. For example, finding a live explosive item in a barracks, lying at the side of a road, or in the Defense Reutilization and Marketing Office (DRMO) disposal area; the loss or theft of explosives items; the unintentional firing of small arms; the inadvertent firing of air-

craft guns; unplanned detonation, functioning or release of any explosive devices; dropping explosive items from a vehicle, forklift, or munitions handling equipment (MHE), etc.

2.4. Weapons Safety Education: The education element covering the advertising and publicity of the Explosives Safety Program.

2.5. Weapons Safety Training: The training needed to enable people to safely perform their work involving explosives without constant supervision. Explosive Safety Training is normally concurrent with on-the-job training. Safety learned as an essential part of the job prevents explosive mishaps and increases efficiency. This training is required initially upon assignment and annually thereafter. Individuals are not allowed to handle, transport, inspect or use explosives until this training is received.

2.6. Hazard Classification: Identifies the hazardous characteristics of explosive items by assigning them to established categories governing storage and transportation. These categories are United Nations Organization (UNO) hazard class and division, storage compatibility group, and Department of Transportation (DOT) classification.

2.7. Operating Instructions (OIs): A written procedure covering any explosives operation and containing pre-planned steps in a logical sequence, along with safety precautions, and any supervisor expectations to accomplish a given job. The minimum requirements for an OI are contained in paragraph 2.4 of AFMAN 91-201.

2.8. Operational (Licensed) Facilities: For the purpose of this instruction, those explosives facilities located outside sited MAFB explosive storage area.

2.9. Explosives: All ammunition, munitions fillers, demolition material, solid rocket motors, liquid propellants, cartridges, pyrotechnics, mines, bombs, grenades, warheads of all types, explosive elements of ejection and aircrew egress systems, air-launched missiles and those explosive components of missile and space systems, and assembled kits and devices containing explosives material. Explosives, explosive weight, net weight, and other like terms also refer to the fillers of an explosive item. Fillers may be explosive mixtures, propellants, pyrotechnics, chemical agents, and other toxic substances.

2.10. Explosive Contamination: Any remaining explosive material, on or in munitions residue (scrap) or packaging material, as determined by inspection procedure, presenting a hazard to people or material.

2.11. Items Associated with Explosives: Includes items such as bomb racks, pylons, multiple ejection racks (MERs), triple ejection racks (TERs), tanks, launchers (rocket and missile), stores suspension units, canisters, dispensers, cluster adapters, aircraft ejection seats and guns.

2.12. Munitions: For the purpose of this instruction, any item containing explosive material.

2.13. Munitions Inspector: For the purpose of this instruction, a person with an Air Force specialty code of 2WX51/71/91 or 3E851/71/91 or equivalent for other branches of the military is technically qualified to determine if items inspected are free from explosive contamination.

2.14. Munitions Residue (Scrap): Material remaining after an explosive item has functioned normally, has been demilitarized by detonation, burned, or disassembled and explosive material removed by washout or other acceptable means.

2.15. Packaging Material: The non-hazardous material used to protect or contain munitions during shipment or storage. This includes containers and other reusable packaging items. These materials may become explosives contaminated if subjected or exposed to explosives.

2.16. Weapon: For the purpose of this instruction, any item used in training, testing, destruction, demolition or initiation containing explosive material (military, commercial, or experimental).

3. Responsibilities For Mishap Prevention.

3.1. The 22d Air Refueling Wing (ARW) Safety Office (SE), as host, will manage the coordinated and integrated weapons safety program as outlined in AFI 91-202.

3.1.1. Weapons safety concerns and problems of major interest will be presented to the Base Safety and Health Councils.

3.2. The Base Weapons Safety Manager will:

3.2.1. Manage all phases of this program as outlined in AFI 91-202.

3.2.2. Act as the single point of contact on MAFB for all matters relating to explosives safety, and inform the 22 ARW, Commander and the Chief of Safety (22 ARW/SE) of those discrepancies requiring command level action. Upon request will inform tenant commanders of the same information.

3.2.3. Conduct weapons safety inspections of all 22 ARW, and upon request, any associate units explosives operations and facilities. Send inspection results to the unit commander and 22 ARW commander, if command level action is required. Inspection of associate units will be coordinated with their explosives safety representative and will be accomplished for units occupying 22 ARW owned or leased facilities.

3.2.4. Ensure units take action to correct discrepancies noted in explosives safety inspections made by the Wing Weapons Safety Office or higher headquarters safety representatives. Keep a file on all open discrepancies and ensure follow-up action is accomplished every 30 days until the corrective actions are complete.

3.2.5. Review and coordinate on all locally developed explosive operating instructions (OIs).

3.2.6. Serve as a technical advisor to the Base Occupational Safety and Health Council.

3.2.7. Review all base comprehensive plans, individual facility site plans, and individual programs involving or encroaching on explosive facilities clear zones to ensure that Q-D criteria is not violated.

3.2.8. Coordinate and up-channel all waivers, deviations, and other departures from standards and procedures contained in Air Force, Air Mobility Command (AMC), Air Force Reserve, or Air National Guard (ANG) directives. The base weapons safety manager will forward a copy of each request to HQ AMC/SEW.

3.2.9. Maintain a log of all waiver and deviation requests and maintain a file of each approved waiver and deviation.

3.2.10. Ensure approved waivers and deviations renewal requests are sent to HQ AMC/SEW at least 60 days prior to the expiration date.

- 3.2.11. Evaluate hazard reports, AF Form 457, that pertain to ammunition or explosives and determine the correct course of action according to AFI 91-202.
 - 3.2.12. Investigate all explosive mishaps, establish cause factors, make recommendations for prevention of like mishaps, and prepare the mishap reports as outlined in AFI 91-204.
 - 3.2.13. Notify the McConnell Command Post of all explosive mishaps so that Operational Report-3 (OPREP-3) reporting requirement can be evaluated.
 - 3.2.14. Administer initial weapons safety training within 30 days of appointment to new unit explosive safety representatives for host base and upon request from tenant units.
 - 3.2.15. Prepare and disseminate weapons safety information to all units working with explosives.
 - 3.2.16. Ensure that each host and associate unit on MAFB that works with ammunition and explosives has a weapons safety representative appointed in writing.
 - 3.2.17. Maintain a map of MAFB that shows:
 - 3.2.17.1. Explosive storage and operational facilities sites.
 - 3.2.17.2. Explosive United Nations Organization (UNO) hazard class and division and net explosives weight (NEW) authorized at each site.
 - 3.2.17.3. Explosive safety clear zones required by Q-D criteria or standards.
 - 3.2.17.4. Explosive movement routes, to include primary and alternate routes.
 - 3.2.17.5. Identification of waivers and deviations for explosives facilities.
 - 3.2.17.6. Areas used for explosives tests, disposal, and training.
 - 3.2.17.7. Explosives Loaded Aircraft Parking Locations.
- 3.3. The full cooperation and support of all commanders and chiefs of 22 ARW units and associate units working with ammunition and explosives, or who support these units, are essential for the prevention of explosive mishaps. Personnel safety and the prevention of damage to facilities and equipment cannot be compromised when ammunition and explosives are involved. Commanders and flight chiefs of host and associate/tenant units will:
- 3.3.1. Apply all parts of the Weapons Safety Program applicable to their units ammunition and or explosives operations.
 - 3.3.2. Appoint, in writing, unit explosive safety representatives. Send copies of the appointment letter to 22 ARW/SEW.
 - 3.3.3. Ensure OIs or unit regulations are developed before the start of explosive operations when the procedures are inadequate or not covered in other publications
 - 3.3.4. 22 ARW and 931 ARG personnel ensure all explosive mishaps are reported to the McConnell AFB Command Post. 184 BW personnel will notify 184 BW/SEW.
 - 3.3.5. Ensure explosive facility licenses are requested according to AFMAN 91-201 for all explosive facilities.
 - 3.3.6. Ensure necessary actions are taken to correct all discrepancies noted in higher headquarters and 22 ARW, 931 ARG and 184 BW safety inspection reports.

- 3.3.7. Review all plans and directives on projects involving explosives to determine if the proposed projects require preparation of a formal environmental assessment as outlined in AFI 32-7061.
 - 3.3.8. Ensure no ammunition or live ammunition components, or any other items containing explosives are brought into or stored in any office, barracks, warehouse, or other building not licensed or sited for use in the storage or handling of explosives.
 - 3.3.9. Set up procedures to ensure all vehicles used for on and off-base transportation of explosives are inspected, according to AFMAN 91-201, by the shipping activity before and after loading. If there is any doubt as to the serviceability of the vehicle, request assistance from a qualified vehicle inspector assigned to the 22d or 184th Transportation Squadron Vehicle Maintenance Branch (LGTM).
 - 3.3.10. Ensure all operational plans and programs are coordinated with 22 ARW/SEW when the use of explosives or munitions items, on McConnell AFB property, are included in plans or programs.
 - 3.3.11. Notify appropriate wing safety office when serious explosive safety hazards exist.
 - 3.3.12. Submit requests to change the use of properly sited explosive facilities before using them for non-explosive purposes. Send requests for change to 22 ARW/SEW, and 184th & 22d Civil Engineer Squadron (CES) Real Property (CERR) for processing.
 - 3.3.13. Ensure fire drills are conducted and documented at intervals not to exceed six months for explosive storage areas as outlined in AFMAN 91-201. Contact 22 CES/CEFT for assistance.
 - 3.3.14. Ensure wing safety approved lesson plans are used to train personnel.
 - 3.3.15. Associate/tenant units will forward copies of all annual weapon safety inspections to the base safety office.
- 3.4. Additional Duty Weapons Safety Representatives (ADWSR) will:
- 3.4.1. When appointed make arrangements with wing weapons safety to receive initial training.
 - 3.4.2. Implement the parts of the explosive safety program, that apply to their unit.
 - 3.4.3. Ensure all directives needed for their unit explosives operations are available and current.
 - 3.4.4. Promptly advise wing weapons safety, unit commander, section supervisors, and flight chiefs of all quantity distance criteria problems, inability to comply with mandatory explosive safety standards, explosive hazards or discrepancies found in the unit.
 - 3.4.5. Assist in unit explosive safety training.
 - 3.4.6. Keep a file of new explosives safety information and ensure people who work with explosives or ammunition have access to this information. Ensure all information posted on unit safety bulletin boards, if available, is pertinent, current and posted conspicuously.
 - 3.4.7. Assist wing weapons safety in investigating explosive incidents or accidents that occur in the unit.
 - 3.4.8. Ensure unit OIs are available for the ammunition or explosive operations being conducted and people involved are aware of and use the OIs.

- 3.4.9. Request assistance from wing safety any time a weapons safety problem is identified and the proper way to handle the problem is unknown or in question.
 - 3.4.10. Enforce explosive safety standards and directives.
 - 3.4.11. Identify high interest areas and submit a written listing to wing safety for approval. The listing will be reviewed and updated annually. This review will be documented.
 - 3.4.12. Promptly advise wing weapons safety, unit commander, and flight chiefs when there are new or changed needs for ammunition or explosives or location changes for facilities that require an AF Form 2047, Explosives Facility License.
 - 3.4.13. Ensure each unit maintains copies of the base Weapons Safety Training Guide.
 - 3.4.14. Conduct spot inspections of their units' explosives operations as determined by unit commanders. Spot inspections will include all operations and facilities involving the handling, storage, or transportation of explosives or munitions. Spot inspections will be annotated on the unit spot inspection log; they will be reviewed during annual and spot inspections conducted by Wing Safety.
 - 3.4.15. Document explosives safety transportation training on the AF Form 483, and renew upon annual refresher training.
 - 3.4.16. Ensure a wing safety approved lesson plan is available and used to train workers.
- 3.5. Unit supervisors will:
- 3.5.1. Ensure all people who work with ammunition or explosives are properly trained and qualified, prior to handling, transporting, or storing explosives.
 - 3.5.2. Ensure that a detailed OI is developed and approved before the initiation of an explosive operation. Ensure the proposed OI is sent to wing weapons safety for review and coordination before publication.
 - 3.5.3. Keep copies of all OIs and ensure these directives are clearly posted or available at all stations involved in an explosives operation.
 - 3.5.4. Discuss each phase of the explosives operation with all people involved to ensure there is no misunderstanding or confusion.
 - 3.5.5. Ensure people use required protective clothing and equipment.
 - 3.5.6. Ensure all explosives operations are performed under the supervision of qualified personnel.
 - 3.5.7. Take prompt and positive action to eliminate unsafe acts or conditions when explosives are involved.
 - 3.5.8. Advise the unit commander and wing safety immediately of all explosive mishaps.
 - 3.5.9. Ensure all explosive safety standards and directives are enforced.
 - 3.5.10. Advise the ADWSR of new or changed requirements for ammunition or explosives, or locations for facilities that need new or revised AF Form 2047.
 - 3.5.11. Ensure the correct fire symbols and chemical hazard symbols are posted as outlined in AFMAN 91-201.

3.5.12. Call the fire department communication center each time there is a change in ammunition or explosive location or when the fire or hazard symbols are changed.

3.5.13. Ensure vehicles and equipment operators used in the transportation and handling of ammunition or explosives are physically fit, carefully selected, well trained, and have a thorough knowledge of safe handling and transportation procedures. The supervisors and unit vehicle control focal point personnel will ensure these operators are certified as "Explosives Safety Transportation Trained" in applicable training records.

3.6. All individuals will:

3.6.1. Ensure they have complete knowledge of the task before work begins.

3.6.2. Comply with all explosive safety standards and directives.

3.6.3. Follow the OIs, unit directives, checklists or technical order procedures when performing assigned tasks.

3.6.4. Ensure all unsafe acts or conditions are reported to the supervisors as soon as possible.

3.6.5. Use all required safety equipment.

3.7. The 22 ARW Command Post will, upon receipt of information on incoming explosives or hazardous cargo air shipments or armed aircraft which arrive after normal duty hours, notify the proper base support elements as outlined in AFJI 11-204 and local procedures.

3.8. The 22d, 931 ARG & 184th Logistics Group (LG)

3.8.1. 184th Transportation Squadron (184 LGT).

3.8.1.1. 184th Traffic Management Branch (LGTT) will:

3.8.1.1.1. Ensure the proper packaging, labeling, certification and handling of explosives and hazardous cargo shipments are accomplished according to AFMAN(I) 24-206; AFJI 24-210.

3.8.1.1.2. Ensure all inbound commercial and military trucks or trailers loaded with UNO 1.1, 1.2.X or 1.3 cargo for DoD organizations are inspected by a Surface Freight Section inspector before the cargo is unloaded. If the inspector has any doubt as to the serviceability of the truck, request a qualified vehicle inspector from the Vehicle Maintenance Branch.

3.8.1.1.3. Ensure sufficient information on UNO 1.1, 1.2.X, and 1.3 explosives and DOT Class A poisons is contained in the Terminal Facility Guide to prevent exceeding base capabilities.

3.8.1.1.4. Will ensure a wing safety approved OI exist prior to transporting explosives.

3.8.1.1.5. Ensure lesson plans for training inspectors of inbound and outbound explosives laden vehicles are used to train all inspectors and are reviewed and updated annually.

3.8.1.2. The 22d & 184th Vehicle Maintenance Branches (LGTM) will:

3.8.1.2.1. Ensure all military trucks used to transport explosives are kept in sound mechanical condition.

3.8.1.2.2. When requested by the Freight Traffic Section or shipping activity inspector, ensure a qualified vehicle inspector is available to help inspect commercial and military trucks loaded, or waiting to be loaded with explosives cargo.

3.8.2. The 22d & 184th Chief of Supply (LGS) will:

3.8.2.1. Ensure commercial explosives and ammunition items are not locally purchased unless such items are stock listed, approved for purchase by Air Force Logistics Center, and are listed in T.O. 11A-1-46.

3.8.2.2. Establish procedures to control the local purchase of explosives and ammunition.

3.8.3. 184th Maintenance Squadron (MXS).

3.8.3.1. The 184th MXS Commander will:

3.8.3.1.1. Appoint, in writing, qualified personnel as munitions inspectors and furnish copies of the appointment letters to the individual's assigned units, Defense Reutilization and Marketing Office (DRMO) and wing safety.

3.8.3.2. The 184th MXS Munitions Maintenance Section (184 MXS/LGMW) will:

3.8.3.2.1. Manage the base munitions storage area.

3.8.3.2.2. Ensure the letter appointing munitions inspectors for 184 MXS/LGMW is current. Advise the resource manager prior to a personnel change so the subject letter will be kept current.

3.8.3.2.3. Prepare a contingency plan for the intransit storage of explosives or munitions if a national emergency occurs or when directed by higher headquarters.

3.8.3.3. The 184th Munitions Storage Section will:

3.8.3.3.1. Ensure information on restricted, suspended, and released lot numbers of conventional munitions is made available to all units they support.

3.8.3.3.2. Ensure all munitions residue and reusable munitions containers are inspected by qualified munitions inspectors prior to the turn-in to DRMO or return of containers to authorized sources.

3.8.3.3.3. Ensure the munitions inspectors appointment letter is current.

3.8.3.3.4. Conduct required depth check, ventilator and fusible link inspections at required intervals.

3.8.3.4. The 22 ARW & 184 BW Survival Equipment Sections will:

3.8.3.4.1. Report all inadvertently fired parachute actuators to wing safety in order to determine mishap reportability.

3.8.3.4.2. Ensure all pyrotechnics temporarily removed from survival kits, rescue kits, and life rafts are stored in the survival equipment explosives storage locker.

3.8.3.4.3. Keep lot number records for pyrotechnics on hand and when items are declared unsafe, over age, or otherwise suspended or restricted from use. Return pyrotechnics to 184 MXS/LGMW at the earliest possible time.

3.8.3.5. The 22 ARW, 931 ARG & 184 BW Electro-Environmental Sections will:

3.8.3.5.1. Report all incidents of inadvertently expended explosive devices to wing safety for determination of reportability.

3.8.3.5.2. Ensure all temporarily removed explosive actuated devices are stored in a licensed storage locker.

3.8.3.5.3. Keep lot number records for explosive devices on hand and when the items are declared unsafe, over age, or otherwise suspended or restricted from use. Return explosive devices to 184 MXS/LGMW at the earliest possible time.

3.9. The 184 BW, 931 ARG & 22d Support Group (SPTG)

3.9.1. The 22d, 931st, and 184th Civil Engineer Squadron (22 CES) Commander will:

3.9.1.1. Ensure weapons safety is included in the training program for all CES personnel who are required to use firearms and other munitions, including munitions simulators, as part of their training.

3.9.1.2. Notify the 22 ARW and 184 BW Weapons Safety Manager at least one duty day in advance when the training includes munitions and munitions simulators, other than small arms ammunition.

3.9.1.3. (184 BW/CES) Keep the munitions and explosives storage, maintenance, and operational facilities in good structural condition. This also includes vegetation and erosion control, roads, fences, gates and drainage.

3.9.1.3.1. (184 BW/CES) Test static grounding systems for explosive storage, maintenance, and operational facilities under AFMAN 91-201. Send a copy of each test result to the using agency for its records.

3.9.1.4. Provide the necessary major repair and maintenance for the small arms ranges under AFI 36-2226, Combat Arms Training and Maintenance Program.

3.9.1.5. Keep the Explosive Ordnance Disposal (EOD) ranges and all explosives training sites in good condition.

3.9.1.6. Wear and use protective clothing and equipment when needed.

3.9.1.7. Ensure all projected construction or demolition-taking place within any explosive clear-zone on McConnell AFB is coordinated through 22 ARW/SEW.

3.9.1.8. Provide assistance in maintaining the explosives portion of the base comprehensive plan.

3.9.1.9. Upon request, produce explosive site plan maps for higher headquarters.

3.9.2. 22d & 931st Security Forces Squadron (SFS) and 184th SFS where applicable:

3.9.2.1. The Security Forces Unit Safety Representative will ensure representatives are available to make a joint inspection with the Base Weapons Safety Manager on each new operational explosive facility for which an explosive facility license has been requested.

3.9.2.2. Security Forces Training (SFTT) will notify the Base Weapons Safety Manager, at least one duty day in advance when training includes munitions and munitions simulators,

other than small arms ammunition.

3.9.2.2.1. SFTT will ensure lesson plans are available for all explosive operations. Lesson plans will be approved by wing safety and reviewed annually.

3.9.2.3. Combat Arms Training and Maintenance (CATM) will:

3.9.2.3.1. Keep the range safety standards as outlined in AFI 36-2226.

3.9.2.3.2. Ensure the maintenance of the range meets Air Force requirements.

3.9.2.3.3. Ensure munitions residue is turned into the 184th MXS munitions section.

3.9.2.4. Security Force Operations (SFO) will:

3.9.2.4.1. Ensure the Security Forces personnel performing entry control duties properly handle all vehicles loaded with explosives or hazardous materials as outlined in 22 ARWI 91-205 and 184 BWI 24-201.

3.9.2.4.2. Ensure each base entry gate is provided with copies of Functional Plan 31-XX, Tab H, Appendix 8 to Annex T.

3.9.2.4.3. Ensure that arriving explosive loaded trucks are parked in designated location and proper notifications are made.

3.9.2.5. Military Working Dog Flight (MWD) will:

3.9.2.5.1. Ensure each dog handler using patrol or detector dogs in explosive detection training is certified as outlined in AFI 31-202.

3.9.2.5.2. Ensure all assigned people who handle explosives comply with the explosive safety precautions listed in AFI 31-202, AFMAN 91-201 and this instruction.

3.9.2.5.3. Notify required agencies prior to the start of any explosive operations.

3.9.2.5.4. The 22 CES Fire Department will:

3.9.2.5.4.1. Restrict the fire-training pit from use when B-1B bombers are utilizing the live load ramp.

3.9.2.5.4.2. Maintain pre-fire plans on all explosive storage facilities and locations; include all explosive hazard class divisions and associated chemical hazards.

3.9.2.5.4.3. Will ensure representatives are available to make a joint inspection with the Base Weapons Safety Manager on each new operational explosive facility for which an explosive facility license has been requested.

3.9.2.5.4.4. Will maintain an area map or computer generated display showing all explosive areas or locations showing their fire and chemical hazards.

3.9.2.5.4.5. Conduct fire drills within the MSA at intervals not to exceed every 6 months.

3.9.2.6. The 22d Communications Squadron will:

3.9.2.6.1. Annually provide update to 22 ARW/SEW on the McConnell AFB Electro-magnetic Radiation (EMR) source data.

3.9.2.6.2. Coordinate all requests for new or changes to EMR locations through 22 ARW/

SEW.

3.10. The 22d, 931st & 184th Operations Group (OG) will:

3.10.1. Squadron Life Support Sections (OSS/DOL) will retain lot numbers for pyrotechnics on hand and when items are declared unsafe, out of date, or otherwise suspended or restricted from use return them to 184 MXS/LGMW at the earliest possible time.

3.10.2. 22 OSS Airfield Management (OSS/OSAA) will:

3.10.2.1. Ensure explosive loaded cargo or transit aircraft are parked in approved explosive loaded aircraft parking locations.

3.10.2.2. Ensure the parking areas for explosives loaded cargo are kept in good condition. This includes ensuring aircraft parking areas and approaches are swept on a regular basis.

3.10.2.3. Advise the Base Weapons Safety Manager immediately when, due to an emergency situation or operational necessity, the explosives limits are exceeded or aircraft are required to be parked in un-sited or licensed locations.

3.10.2.4. Ensure appropriate runways and taxiways are restricted from use or to military aircraft or when mandated by MAFBI 91-201 & 91-205. Additionally when notice is received of live loading operations taking place on the main parking or live load ramps the eastern runways and taxiways are restricted to military aircraft only.

3.10.2.5. Directly oversee BASH contractor operations to ensure compliance with airfield and explosive regulations.

3.11. The 22 ARW, 931 ARG & 184 BW Public Affairs will:

3.11.1. Ensure no tours are scheduled for the flightline during B-1B explosive operations.

3.11.2. Provide 22 ARW/SEW copies of all scheduled tours of McConnell AFB that take place within any explosives clear-zone on McConnell AFB.

3.12. The 22d ARW & 184th BW Contracting will:

3.12.1. Ensure all contractors scheduled to work within any explosive clear-zone on McConnell AFB receives a mandatory briefing from 22 ARW/SEW.

3.13. The 22 ARW/XP, 931 ARG/XP & 184 BW/XP will:

3.13.1. Ensure all exercises using explosives are coordinated through both wing and base safety.

3.13.2. Generate required risk assessments for each scheduled exercise, for the Wing Commander's approval.

3.13.3. Provide a detailed MESL for each exercise showing exact times, detailed location and type of explosives to be used, and approved by the Wing Commander.

3.13.4. Ensure a wing safety approved operating instruction is available for use outlining all explosive safety requirements.

4. Explosive Safety Inspections And Visits.

4.1. The Base Weapons Safety Manager will conduct annual explosives safety inspections on all host and associate units assigned on MAFB. Follow-up inspections will be conducted when the results of the initial inspection show a discrepancy requiring corrective action. A suspense file will be established on all open inspection discrepancies.

4.2. Base weapons safety personnel will make frequent visits to all 22 ARW and associate units' explosives facilities and operations with special emphasis on high-interest items.

4.3. The 22 ARW and associate unit's ADWSR will make visits to their unit's explosives facilities and operations at any time deemed appropriate. Such visits should be made more often in high interest areas such as assembly, arm and de-arm operations, egress shop activities, load crew operations, disposal operations and test projects involving ammunition or explosives.

4.4. First line supervisors will make daily explosives safety inspections of their areas of responsibility. Supervisors should make these inspections at the start of each work day or work shift to ensure personnel are prepared to carry out all assigned tasks in a safe manner; the explosives facility or area is prepared for the operation to be conducted, and all required and needed equipment is on hand and in good operating condition.

4.4.1. If a hazard is found, the operation will not be started or will be stopped immediately until the hazard is corrected.

4.5. Explosive safety inspections must be comprehensive and include all explosive activities in the unit. Guidance for conducting explosive safety inspections will be obtained from the Base Weapons Safety Manager.

4.6. Reports of explosive safety inspections and annual evaluations will be prepared by the Base Weapons Safety Manager and sent to the unit commander. If the report lists serious discrepancies, an information copy of the report will be sent to the wing commander. Initial response to any report will be within 10 duty days, with follow-up action to be annotated every 30 days until all open discrepancies are corrected and closed.

4.7. Local Written Procedures for Explosive Operations.

4.7.1. All local written procedures will meet the criteria set up in AFMAN 91-201.

NOTE: The using organization may obtain the required explosive information from 22 ARW/SEW if not available in the unit. Ensure the Explosives Facility License agrees with the limits listed in the written procedure.

4.7.2. Wing weapons safety will review all locally written procedures annually. Using agencies will be responsible for notifying 22 ARW/SEW when a locally written procedure is canceled.

5. Controls For Local Purchase Of Ammunition And Explosives.

5.1. All explosives, explosive devices, munitions or ammunition to be used, stored, inspected, maintained, or handled by Air Force personnel will have technical data, be stock listed, and be included in T.O. 11A-1-46 and the DoD Ammunition Catalog.

5.2. Local purchase of these items, for Air Force use, is prohibited unless Air Logistics Center (ALC), HQ USAF and the Non-nuclear Munitions Safety Board have approved the item. Explosives or munitions approved for local purchase will be published in T.O. 11A-1-46, the DoD Ammunition Catalog, and have storage and maintenance technical data. Local purchase of such items may be authorized by

ALC, but only when explosive safety and security are not compromised; when uniform quality, configuration and packaging of the item can be assured; and when, because of shelf and service life limitations and excessive transportation costs, it is clearly beneficial to obtain items in this manner.

5.3. The Base Weapons Safety Manager will review the request if the munitions technical data package is not available and will coordinate with the Non-nuclear Munitions Safety Board prior to the purchase of any explosive item.

6. Explosive Facility License (AF Form 2047).

6.1. Use AFMAN 91-201 attachment 3 for instructions on filling out explosive facility licenses.

6.2. A copy will be filed in the Unit Explosives Safety Representative Guide.

6.3. The unit explosive safety representative will check the licenses for currency and notify the Base Weapons Safety Manager of any proposed or actual changes.

7. Explosive Safety Education and Training.

7.1. Explosive safety education covers the advertising and publicity of the Explosive Safety Program.

7.2. Schedule meetings with as little conflict as possible to operational routine.

7.3. Use visual aids such as mock-ups, slides, films, charts, diagrams, and chalkboards as much as possible.

7.4. All explosives safety material in the USAF safety kits and USAF maintenance magazines should be reviewed and the applicable articles made available to all people who work with ammunitions or explosives. The Base Weapons Safety Manager will extract these articles and send them to the units.

7.5. Explosive mishap reports are one of the most valuable tools in the explosives safety education program. Lessons learned from other bases' mishaps can prevent similar occurrences on MAFB.

7.6. Weapons safety training will be stressed in all training programs being conducted. Concentrate training on the mandatory requirements outlined in AF safety directives and specific item technical orders.

7.7. The type and amount of material used in the unit explosive safety-training program will depend on the unit's mission and the degree of involvement with ammunition or explosives.

7.8. The unit trainers along with unit explosive safety representatives will prepare the necessary lesson plans to be used to conduct training. The Base Weapons Safety Manager will provide guidance upon request and review lesson plans prior to use.

8. Explosive Mishap Investigation And Reporting.

8.1. Explosive mishaps will be investigated and reported as outlined in AFI 91-204.

8.2. Whenever an explosive mishap occurs, regardless of the classification, the first person aware of the mishap will tell the supervisor in charge immediately. The supervisor will, in turn, tell the unit commander, 22d Command Post and/or 184th LG Maintenance Control, and appropriate wing safety office.

8.3. The commander, 22 ARW, will ensure all DoD explosives mishaps occurring on or in the vicinity of MAFB are investigated.

8.4. The Base Weapons Safety Manager will investigate all DoD explosive mishaps occurring on or in the vicinity of MAFB.

8.5. The Base Weapons Safety Manager will prepare and submit messages and formal reports on all class A, B, and C explosive mishaps as outlined in AFI 91-204. A log will be kept on all class D mishaps.

8.6. The Base Weapons Safety Manager will prepare and send the report of an explosives HAP mishap, by message, as soon as possible after learning such an event has occurred.

9. Inspection And Control Of Munitions Residue (Scrap) And Packaging Material Generated From Items Exposed To Or Containing Explosives.

9.1. The sale or transfer of explosives residue or explosives contaminated material is prohibited.

9.2. Set up positive controls to make sure all munitions residue, packaging material, and items associated with explosives, which are turned-in to DRMO have been properly inspected, marked or stamped, and certified "Explosives Free" as outlined in T.O. 11A-1-60.

9.3. The Chief of Defense Reutilization and Marketing Office (DRMO) will:

9.3.1. Ensure all DRMO personnel who receive and sign for munitions residue, packaging material, or items associated with explosives know the requirements for the inspection and certification of this material before signing and receiving it.

9.3.2. Establish procedures to maintain positive control of material that has been inspected and certified to be free of explosive contamination.

9.3.3. Ensure material being sold to commercial buyers or being shipped out has the correct stamps or markings and the certificates of inspection are attached to the inspected item.

9.3.4. Keep an up-to-date list of all munitions inspectors or personnel authorized to certify items as "explosives free."

9.4. Munitions inspectors will be selected and appointed, in writing, as outlined in T.O. 11A-1-60.

9.5. Commanders of organizations who have personnel qualified as munitions inspectors will:

9.5.1. Ensure munitions inspectors inspect and stamp or mark all munitions residue, packaging material and items associated with explosives as outlined in T.O. 11A-1-60 prior to turning the items in to DRMO.

9.5.2. Ensure munitions inspectors are appointed, in writing, and a list of these inspectors is on file at DRMO and 22 ARW/SEW.

9.6. Commanders of organizations who do not have personnel qualified as munitions inspectors will ensure the munitions residue, packaging material, and items associated with explosives are delivered to the 184 MXS/LGMW for inspection and certification by a munitions inspector prior to turn-in to DRMO.

9.7. Munitions inspectors will conduct all inspection of munitions residue, packaging material, and items associated with explosives, mark or stamp the items and certify the items as “explosives free” as outlined in T.O. 11A-1-60.

FREDERICK F. ROGGERO, Colonel, USAF
Commander