

**BY ORDER OF THE COMMANDER  
3RD WING (PACAF)**



**3RD WING INSTRUCTION 91-209**

**7 NOVEMBER 2003**

***Certified Current 19 November 2012***

***Safety***

***TIER II EXPLOSIVE SAFETY  
PROCEDURES***

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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OPR: 3 LRS/LGRR

Certified by: 3 MSG/ CC (Col Robert W.  
Tirevold)  
Pages: 6

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This instruction implements AFD 91-2, *Safety Programs*, and provides procedures for the storage, handling, and transportation of Tier II, wartime, explosive items for the purpose of mobility processing under contingency operations through the joint mobility complex (JMC), Building 15510. This instruction outlines requirements mandated by the Department of Defense Explosive Safety Board (DDESB) in Explosive Site Plan 00-S02 Tier II. These procedures are mandatory and deviations will not be permitted. This instruction is designed to assist commanders and Army personnel at Elmendorf AFB in developing and managing a unit level Explosive Safety Mishap Prevention Program. All commanders should ensure each subordinate commander, staff officer, supervisor, and individual with operations involving explosives continuously reviews, recognizes, and enforces mishap prevention techniques, procedures, and requirements. This instruction is not intended to be an all-encompassing text to take the place of Air Force manuals, Army manuals, instructions, or technical orders. However, it should serve as a guide and a ready reference for basic information to develop, direct, and enhance your explosive safety program. Copies of the explosive operation pre-task safety briefing, evacuation/personnel holding area maps, minimum withdrawal distances, and checklist are available through the 3rd Wing Weapons Safety office. This publication does not apply to the US Air Force Reserve and Air National Guard units and members. Refer recommended changes and questions about this publication to the OPR (see **Attachment 1**) using the AF Form 847, *Recommendation for Change of Publication*. Route the AF Form 847 through the appropriate chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with Air Force Records Information

Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afrims/afrims/>.

## **1. General Policy and Responsibility.**

1.1. Explosive safety standards are an extension of the will of **CONGRESS** and have the power of law. The DDESB establishes explosives safety policy through DoD 6055.9, *DoD Explosives Safety Board (DDESB) and DoD Component Explosives Safety Responsibilities..*

1.2. The Air Force provides explosives safety guidance in AFMAN 91-201, *Explosive Safety Standards*. This manual is an extension of DoD 6055.9 and provides further guidance for Air Force specific explosive safety issues.

1.3. The 3 WG/CC is responsible for ensuring all known rules are followed within his/her command. The 3rd Wing Weapons Safety office assists him/her in these endeavors and must ensure compliance with all known explosive safety standards.

## **2. Operating Procedures.**

2.1. All Army personnel involved with the deployment are responsible for understanding and strictly observing all safety standards, requirements and precautions for the safe handling of explosives. Supervisors will act positively to eliminate any potential accident hazards existing in the operation. Commanders and supervisors are responsible for ensuring the compensatory measures mandated by DDESB in ESP 00-S02, Tier II are followed.

2.2. The Army will provide the 3rd Wing 24-hour notice prior to any deployment requiring the processing of HC/D 1.1/1.2 munitions. Contact with the Wing Safety Office and the JMC will be accomplished through the Wing Command Post at DSN 317-552-3000. The 3rd Wing will then evacuate all non-related personnel and aircraft, and complete the JMC Tier II Checklist. Once evacuation is complete, the Army will transport only the required munitions for each chalk to the JMC, and only when the deploying aircraft is on the ground.

2.3. Use of ESP PACAF-Elmendorf 00-S2 Tier II with ammunition and explosives is not authorized for training.

## **3. Explosive Limits, Hazard Class/Division.**

3.1. Explosives in Building 15510 (JMC) are confined to the parachute issue room and personnel holding area. They are limited to 3,200 pounds net explosive weight (NEW) of Hazard Division (HD) 1.1, 1.2, and 1.3 explosives collectively, and operational requirements of HD 1.4 explosives. Inhabited building distance (IBD) is 1,250 feet.

3.2. The area encompassed by the IBD arc must be cleared of unrelated personnel and equipment, including non-related aircraft, before the arrival of explosives. Personnel and traffic not associated with deployment or mobility processing of US Army forces are not authorized within IBD when explosives are present. Use maps (3 WG/SEW) to identify all facilities and aircraft parking spots that must be evacuated prior to the arrival of explosives.

## **4. Personnel Limits.**

4.1. Personnel issued basic load ammunition or explosives of HD 1.1, 1.2 or 1.3 explosives are restricted to the area identified in the personnel holding area and must proceed directly to transporting aircraft, as scheduled. See maps (3 WG/SEW) for personnel holding area.

4.2. If personnel with ammunition or explosives must leave the personnel holding area for any reason other than an emergency or to the transport aircraft, the ammunition and explosives must be returned to the parachute issue room.

**5. Operating Locations.** The parachute issue room and personnel holding area in Building 15510.

**6. Safety Requirements.**

6.1. Ensure two each 2A:10BC fire extinguishers are readily available and serviceable.

6.2. Remove rings, watches, and jewelry in accordance with in accordance with AFOSH 91-66, *General Industrial Operations*, and 91-100, *Aircraft Flight Line - Ground Operations and Activities*, and in accordance with AFMAN 91-201/PACAF Sup 1, paragraph 2.4.4.

6.3. No smoking or flammable materials within 50 feet of explosives.

6.4. Vehicles/aerospace ground equipment cannot be parked within 100 feet of explosives, unless loading or unloading.

6.5. Report any injury, questionable or unsafe condition, or material to your supervisor as soon as possible. Report all explosive related mishaps to 3rd Wing Weapons Safety at DSN 317-552-4681/ 6855.

6.6. Report the highest fire/chemical symbol to the Fire Alarm Communication Center (FACC) at DSN 317-552-2801 anytime munitions are delivered, removed or the fire symbol changes. The only way to get the proper fire/chemical symbol is to look up the National Stock Number (NSN) up in TO 11A-1-46, *Fire Fighting Guidance, Transportation and Storage Management Data*. This TO can be downloaded from the following web site after obtaining a password: [http://ammo.hill.af.mil/wm/new\\_techorder/to\\_list.cfm](http://ammo.hill.af.mil/wm/new_techorder/to_list.cfm).

6.7. Fire symbols do not need to be posted if the above paragraph is followed. If not, post fire symbols in accordance AFM 91-201, *Explosive Safety Standards*, paragraph 2.25.7.

**7. Planning Explosive Operations.** Prior to the start of an explosive operation, supervisors will ensure the following:

7.1. Crews are established in a manner that exposes the minimum number of people, to the smallest amount of explosives, for the shortest period of time, and consistent with the operation being conducted.

7.2. All required safety gear and equipment (that is, hearing protection, reflective belts, eye protection, fire extinguishers, and so forth) are on-hand and used.

7.3. All required vehicles and munitions test, support, and handling equipment are properly inspected and serviceable.

7.4. A means to communicate (that is, radio, hotline, or telephone) with appropriate controlling agency (that is, FACC, air terminal operations center (ATOC), maintenance operations center (MOC), and so forth) is available.

7.5. All required technical data is on-hand, current, and used. Step-by-step procedures in TOs will be adhered to and deviations permitted only as stated in the TOs.

7.6. Personnel are properly dressed for the weather conditions.

7.7. Personnel are qualified for the specific tasks to be performed.

7.8. A safety briefing is conducted.

7.9. Predetermined evacuation sites are briefed.

**8. Conducting Explosive Operations.** During an explosive operation, supervisors will ensure the following:

8.1. Horseplay in any form is not allowed.

8.2. Good housekeeping is maintained.

8.3. Ensure established personnel and net explosive weight (NEW) limits are posted and not exceeded.

8.4. Required chemical hazard and fire symbols are posted. Notify Fire Department at 552-4644 anytime there is a change in explosive locations or fire hazard symbol.

8.5. Munitions are protected in accordance with AFI 31-209, *The Air Force Resource Protection Program*, and DoD 5100.76-M STD, *Physical Security Review Board*.

8.6. TO warnings and cautions are strictly observed.

8.7. Only casuals (that is, Safety and Quality Assurance, management, or inspection personnel) on official business will be allowed to enter the explosive work site. Visitors are non-essential personnel, such as Civil Engineering or contractors that have no function at the work site but have limited access. Explosive operations will stop while visitors are present at the work site. Both casuals and visitors will be given an emergency action briefing that includes a brief description of the operation being conducted, the hazards associated with the munitions present, and evacuation procedures during an emergency.

8.8. Prompt action is taken to control any hazard encountered.

8.9. Munitions are secured for movement in accordance with applicable technical directives and transported as specified in AFMAN 91-201.

8.10. Receive clearance from appropriate agency (that is, Security Forces, Fire Dept., and so forth) for all munitions movements outside designated storage/operating areas.

**9. Emergency Procedures.**

**Table 1. Emergency Procedures.**

<p><b>WARNING</b></p> <p><b>IF ANY DANGEROUS EXPLOSIVE ITEM IS ENCOUNTERED, ALL OPERATIONS IN THE IMMEDIATE VICINITY WILL BE TERMINATED, PERSONNEL EVACUATED TO A PREDETERMINED SAFE LOCATION, AND APPROPRIATE AGENCY (THAT IS, ATOC, FIRE DEPARTMENT, EOD, AND SO FORTH) WILL BE PROMPTLY NOTIFIED. OPERATIONS WILL NOT BE RESUMED UNTIL THE HAZARD HAS BEEN ELIMINATED.</b></p>
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9.1. When explosives are **NOT** involved in fire, such as dropped munitions or partially armed munitions, clear the area initially to a distance of 300 feet. After evaluation of the

situation, the on-scene commander, or senior ranking individual, may adjust the withdrawal distance for nonessential personnel.

9.2. Call **911** and give both the exact location of the fire (Building 15510) and the type of explosives involved.

9.3. Notify and evacuate all non-essential personnel to a predetermined location (600 feet for 1.3 and 300 feet for Class 1.4 munitions).

**10. Completing Explosive Operations.** After an explosive operation, supervisors will ensure the following:

10.1. The work site is cleaned up.

10.2. All tools, equipment, structure keys, and other items used during the operation are accounted for, cleaned as required, and returned to their place of origin.

10.3. The appropriate agency (that is, ATOC, Fire Department, and so forth) is advised of work status.

10.4. Munitions and facilities are properly secured.

**11. Adopted Forms.**

AF Form 847, *Recommendation for Change of Publication*

USAF

ROBERTUS C. N. REMKES, Brigadier General,  
Commander

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 31-209, *The Air Force Resource Protection Program*

AFMAN 37-123, *Management of Records*

AFPD 91-2, *Safety Programs*

AFI 91-100, *Aircraft Flight Line - Ground operations and Activities*

AFM 91-201, *Explosive Safety Standards*

AFOSH 91-66, *General Industrial Operations*

DoD 5100.76-M STD, *Physical Security Review Board*

DoD 6055.9, *DoD Explosives Safety Board (DDESB) and DoD Component Explosives Safety Responsibility*

TO 11A-1-46, *Fire Fighting Guidance Transportation and Storage Management Data*

***Abbreviations and Acronyms***

**ATOC**— Air Terminal Operations Center

**DDESB**— Department of Defense Explosives Safety Board

**FACC**— Fire Alarm Communication Center

**HC/D**— Hazard Class/Division

**IBD**—Inhabited Building Distance

**JMC**— Joint Mobility Complex

**MOC**— Maintenance Operations Center

**NEW**— Net Explosive Weight

**NSN**— National Stock Number

**OPR**— Office of Primary Responsibility

**RDS**— Records Disposition Schedule