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Safety

**UTILIZATION OF FACILITIES WITHIN
QUANTITY-DISTANCE CLEAR-ZONES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AFMAN 91-201, *Explosive Safety Standards* and DODI 6055.9 *DOD Ammunition and Explosives Safety Standards*. It establishes procedures for and applies to 62d Airlift Wing and tenant units seeking use of facilities within Quantity-Distance (QD) Clear Zones. Quantity Distance is the quantity of explosive material and distance separation relationships, which provide defined degrees of protection. These relationships are based on the level of risk considered acceptable for each exposure. Departure from Quantity-Distance requirements of AFMAN 91-201 are authorized only when there are compelling reasons. This determination will be made only after a complete analysis of the mission and facilities has been accomplished. The Wing Weapons Safety Manager, in consultation with the installation Civil Engineering Squadron, will ensure compliance with the procedures contained herein.

SUMMARY OF REVISIONS

This document is substantially revised and must be completely reviewed.

This instruction has been completely revised to incorporate changes/revisions from AFMAN 91-201 (Explosive Safety Standards) and DOD 6055.9 (DOD Ammunition and Explosive Safety Standards).

1. Real Property Requests. All real property requests, including those involving Q-D Clear Zones, are sent to the 62d Civil Engineering Squadron, Resource Flight, Real Property Element (62 CES/CERR). Real Property Personnel will staff the request, and if explosive clear-zones are involved, obtain a risk assessment from the 62d Airlift Wing Weapons Safety Manager (62 AW/SEW). The request and risk assessment are then forwarded by Real Property Officer to the Real Estate Working Group (62 CES/REWG) for review prior to final approval.

2. Real-Estate Working Group (REWG). The REWG either recommends approval or disapproval of requests. The approved or disapproved request is then forwarded to the 62 AW Facilities Board.

3. 62 AW Facilities Board (FB). The FB either approves or disapproves the recommendation from the REWG. If disapproved, the process stops and personnel cannot occupy the facility. If approved, the Wing Weapons Safety Manager and Civil Engineer jointly prepare the necessary documentation granting authority for the requester to occupy the facility.

4. Compensatory Measures.

4.1. Compensatory measures are actions that can be taken in lieu of a formal waiver that alleviates a quantity-distance violation. If compensatory measures are used to avoid a quantity-distance violation, the weapons safety manager is the approving authority.

4.2. Reducing the amount of explosives for a period of time or temporarily moving out of a facility in a clear-zone when explosives are introduced can avoid a quantity-distance violation.

5. Waiver/Exemption/Deviation an Exception Requirements.

5.1. A *waiver* is required when an organization intends to occupy a facility within a Q-D clear zone for a short period of time and is unable to leave the facility when explosives are introduced into the area or explosive operations are conducted. Waivers apply to relatively short-term violations of QD requirements. Five years or less is considered short-term. A waiver cannot be renewed beyond the maximum 5-year time limit. Waivers resubmitted as *Exemptions* will be approved by the next higher level of command.

5.2. An *exemption* is required when an organization intends to occupy a facility within a Q-D clear zone for a long period of time and is unable to leave the facility when explosives are introduced into the area or explosive operations are conducted. An Exemption is a relatively long term (greater than 5 years) or permanent departure from QD standards. *Exemptions* are not applicable to MOOTW/contingency/combat operations less than 12 months in length.

5.3. An *Event waiver* has the same definition as a waiver, except the condition or circumstances causing the waiver arises unexpectedly and there is not sufficient time to comply with the formal waiver submission process. It must not be used as a replacement for proper planning. *Event waivers* are only applicable for day-to-day operations. This is a situation that arises unexpectedly and there is not enough time to comply with formal waiver submission procedures. The 62d Airlift Wing Commander may approve this waiver for the length of the unplanned event, but not to exceed 72 hours. This one time *Event waiver* **cannot** be repeated. If the *Event waiver* cannot be corrected within 72 hours submit a formal waiver. Recurring situations requiring an exception reviewed/approved by the appropriate level (such as MAJCOM or SAF.)

5.4. *Deviations* apply to non-QD departures from the requirements of AFMAN 91-201. Use a memorandum for requesting deviations. MAJCOM's determine approval levels for deviations for day-to-day and war plan operations; these deviations will be reviewed every three years.

5.5. *Exceptions* are defined as any departure from explosives safety requirements addressed in AFMAN 91-201 and DODI 6055.9. *Exceptions* will be granted only when all intent has been exhausted to comply with the parameters of AFMAN 91-201 and DODI 6055-9. *Exceptions* require MAJCOM approval or higher.

6. Use of facilities in a QD Clear Zone:

6.1. The Wing Weapons Safety Manager decides whether a waiver or exemption is required, or if an organization can occupy the facility without a waiver or exemption.

6.2. The following conditions must be met for an organization to move into a facility within a QD clear Zone:

6.2.1. Personnel must be able to move out of the facility whenever explosives are present within a QD clear zone. They must vacate the clear zone area for the entire time that explosives are within the clear zone perimeters unless they have been deemed as directly related to the explosive operation at hand.

6.2.2. When explosives operations are concluded and explosives materials are removed from clear zone areas, personnel may return to the facility and continue normal operations.

6.2.3. Should an organization wish to continue operating out of a facility within a QD clear zone when explosives are present, they must have an approved waiver or exemption.

NOTE: *If an Explosive Waiver/Exemption is pursued, a detailed Risk Assessment and Risk Nomograph will be prepared I.A.W. AFMAN 91-201. The Risk assessment will be prepared jointly with the installation Weapons Safety Manager and the unit requesting the waiver/exemption. The Risk Assessment will encompass the Maximum Credible Event (MCE) in the event of an explosives accident or incident, total Net Explosive Weight (NEW) of the Potential Explosion Site (PES) to the Exposed Site (ES) and a list of personnel and equipment exposed to the PES.*

6.3. The Weapons Safety Manager will immediately disseminate information pertaining to the introduction and removal of explosive materials into established clear zones and ensure all pertinent organizations affected have been notified.

6.4. All recreational areas adjacent to or within the minimum acceptable PTR distances of explosives operational clear zones will be placed off limits to all personnel until explosives operations have concluded and all explosives have been removed from the operating location.

NOTE: *The jogging trails located South of the 800 Conventional Munitions Storage area ([Attachment 2](#)) fall within the Public Traffic Route (PTR) Explosive Safety Quantity-Distance (Q-D) arcs of the Suspect Vehicle Site and Building 825 (an Explosive Operating Location). These jogging trails may be used when no explosives operations are being conducted at either location. In the event that explosives operations must be conducted at either location, all non-essential personnel must immediately leave the area located within the PTR Q-D arc until explosives operations have been concluded.*

6.4.1. The installation weapons safety manager will contact all organizations and conduct notification of off limits areas driven by explosives operations.

7. Requesting a Waiver or Exemption.

7.1. The Wing Weapons Safety Manager notifies 62 CES, Comprehensive Planning and Contract Programs (62 CES/CECP) of a requirement for a waiver or exemption using an AF Form 943.

7.2. The 62 CES Comprehensive Planning and Contract Programming will gather the engineering information for the facilities and areas listed on the AF Form 943, Explosive Waiver/Exemption/Site Plan.

7.3. The Weapons Safety Manager compiles the waiver/exemption package and coordinates it with the Chief of Safety, 62d Mission Support Group Commander, and 62d Airlift Wing Commander for signature.

7.4. The weapons safety manager will make four copies of the completed package, send three copies to HQ AMC/SE for approval, and hold one copy for suspense.

7.5. HQ AMC/SE will send an approved/disapproved copy to the 62 AW Safety for filing. The Weapons Safety Manager will maintain a copy for official file and forward a completed copy to 62 CES/CECP.

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

DOD 6055.9, *DOD Ammunition and Explosive Safety Standards*, July 1, 1999

AFMAN 91-201, *Explosive Safety Standards*, October 18, 2001

AFI 31-101, *The Air Force Resource Protection Program*, December 1, 1999

62 AWI 91-5, *Hazardous Materials Transportation Safety Program*, February 28, 2002

Abbreviations and Acronyms

AFSC—Air Force Safety Center

AFMAN—Air Force Manual

DODI—Department of Defense Instruction

ES—Exposed Site

FB—Facility Board

MAJCOM—Major Command

MCE—Maximum Credible Event

MOOTW—Munitions Operations Other than War

NAF—Numbered Air Force

NEW—Net Explosive Weight

PES—Potential Explosion Site

PTR—Public Traffic Route

Q-D—Quantity-Distance

REWG—Real Estate Working Group

SAF—Secretary of the Air Force

SEW—Weapons Safety

Attachment 2 JOGGING TRAIL MAP

A2.1. Jogging Trail Map.

