

**BY ORDER OF THE COMMANDER
436TH AIRLIFT WING (AMC)**



**DEFENSE EXPLOSIVES SAFETY
REGULATION 6055.09 AIR FORCE
MANUAL**

91-201

DOVER AFB SUPPLEMENT

23 AUGUST 2022

SAFETY

EXPLOSIVES SAFETY STANDARDS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes responsibilities for mishap prevention in handling, storing, transporting, identifying, and controlling explosives and hazardous materials in accordance with Air Force Policy Directive (AFPD) 91-2, *Safety Program* in conjunction with corresponding Department of Defense (DoD), Air Force, AMC, and 18th AF directives, establishing unit-level Weapons Safety Program Management for Dover AFB. This instruction applies to all Dover Air Force Base (DAFB) host and tenant units (i.e. 436 AW, 512 AW, AFMES, JPED, etc) that store, transport, handle, or utilize explosives in the performance of their assigned mission. This instruction clarifies wing and unit responsibilities, establishes local processes for unit-level explosives safety program management, and addresses various other related explosives safety program issues that are unique to DAFB operations. This supplement does not supersede higher authoritative guidance. Ensure all records created as a result of processes prescribed in this publication are maintained in accordance with AFI 33-322, *Records Management and Information Governance Program*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located in the Air Force Records Management System. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the Air Force (AF) Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through the appropriate functional's chain of command.

SUMMARY OF CHANGES

This document has been substantially revised and needs to be completely reviewed. This revision reflects changes in guidance and procedures dealing with Air Force explosives safety standards. Major changes include completely revising AFMAN 91-201 as a supplement to DESR 6055.09, Edition 1; incorporation of the Air Force Guidance Memorandum 2020-01; and renumbering of paragraphs to match the DESR 6055.09_AFMAN 91-201, *Explosives Safety Standards*, 28 May 2020.

V1.E6.12.5.1. (Added) All explosives operations will be conducted in accordance with written instructions. All local conditions not covered by item Technical Orders may be required to be addressed in locally written instructions. All locally written instructions will be approved by the squadron commander or equivalent for all explosives operations. Local instructions will be written IAW DESR 6055.09_AFMAN 91-201, V1.E6.12, requiring the most restrictive guidance to be used by either, AMC or AFRC. Local instructions must be coordinated through the appropriate 436/512 AW Weapons Safety Staff prior to squadron commander approval.

V1.E6.42.1.1. (Added) Transportation of explosives, both on and off-base, requires training and certification, proper equipment and vehicles, use of explosive transport routes, and proper notification procedures. Additional Duty Weapons Safety Representatives (ADWSRs) should ensure unit personnel who transport explosives are properly qualified and are complying with the regulatory requirements to do so.

V1.E6.42.11.2. (Added) On-base explosive routes will be posted on the 436 AW/SE SharePoint: <https://usaf.dps.mil/teams/436AWSE/WeaponSE/SitePages/Home.aspx>

V1.E6.42.11.3. (Added) On base routes are established for delivery of explosives between the Munitions Storage Area (MSA), explosives-sited aircraft parking areas, and between the Main (East)/West gates and the munitions storage area. Delivery routes are annotated on the Base Comprehensive Map, Tab D-8. Explosive routes are designated as primary and secondary routes; primary routes will be utilized unless conditions dictate use of the secondary route as the safer means but is limited to no higher than HD 1.3/1.4. Use of secondary routes will be at the approval of 436 AW/SEW, and only when the primary explosive route is not accessible.

V1.E6.42.11.4. (Added) On-base explosive routes for licensed locations. Units must travel in authorized explosive transport vehicles via the most direct route between the EFL and the MSA. HD 1.1 and 1.2 explosives will not be transported on Atlantic and Paris Street unless coordinated through 436 AW/SEW.

V1.E6.42.11.5. (Added) Units with a requirement to perform explosive movements to off-base locations for operational or training requirements must adhere to both DoD and Department of Transportation (DoT) regulations and the local state and jurisdictional law. ADWSRs must ensure personnel who transport explosives to off base locations are trained and certified in accordance with 49 Code of Federal Regulations (CFR), *Transportation* and Air Force Instruction (AFI) 24-301, *Ground Transportation*.

V1.E6.42.11.6. (Added) Non-mission essential personnel shall not be permitted along Perimeter Road (e.g. no jogging, walking, biking, hunting, etc.) within the explosive clear zones located between jogging turnaround points on the northwest and northeast side of the installation. Contact 436 AW/SEW for further guidance.

V1.E6.12.1.4.1. (Added) Pre-Task Safety Briefings. Pre-task Safety Briefings will be given to all personnel who will be involved in explosive handling or transport operations.

V1.E6.12.1.4.1.1. (Added) Not required for Security Forces personnel during shift change (guard mount) involved in issue/turn-in of small arms loads for normal base security details and emergency response/security detail duties.

V1.E6.12.1.4.1.2. (Added) Pre-task Safety Briefings are not required for flight line maintenance personnel who utilize technical order listed pre-task safety briefings.

V1.E6.12.1.4.1.3. (Added) The 436/512 Munitions Flight will utilize a squadron commander approved FOI Pre-Task Safety Briefing. All other units will utilize [Attachment 2](#) for the pre-task safety briefings.

V2.E3.7.1.3.1. (Added) 436 AW/SEW will annually review installation HERO/EMR information. 436 AW/SEW will prepare and maintain the HERO package for Dover AFB. The HERO package will be provided to base users, EOD, Munitions Supervision/Control, Fire Department, and any organization deemed necessary.

V2.E3.7.1.3.1.2. (Added) 436 CS/SCOT will Route work orders from the 436 CS/SCOT Plans and Programs section for installation of new emitter antenna systems to 436 AW/SEW for approval prior to antennas being installed or relocated.

V2.E3.7.1.3.1.3 (Added) 436 AW Installation Spectrum Manager (ISM) will provide all new emitter parameter information to 436 AW/SEW for approval prior to emitter system being installed or relocated and will assist 436 AW/SEW during the EMR/HERO annual review.

V5.E3.2.10.7.2.1. (Added) Exercises/Training Events utilizing Explosives. For the purpose of this section, the term “exercises and training events utilizing explosives” will be defined as events that require planning, involve the functioning of explosives, and are not considered individual mobility qualification or recurring competency training as outlined by AF instruction (i.e., combat arms training, ground burst simulator training, survival, evasion, resistance, and escape training, EOD proficiency, etc....). Events included in this section encompass local or joint exercises, exercise/training events involving real estate not considered as a range or normally open to the base populous (SFS training events, etc....), EOD or other authorized demonstrations, and all other training events not covered by the above definition.

V5.E3.2.10.7.2.2. (Added) Include 436 AW/SEW in all planning for exercise and training events that will utilize explosives.

V6.E3.6.1.4.1.5.1. (Added) Units requiring storage of ammunition and explosives must have a legitimate mission requirement to store limited amounts of operational explosives outside the base 436 MXS MSA. Legitimate is defined as those locations required to support continuous base

defense and security missions, emergency response operations, and requirements supporting continuous aircraft mission operations.

V6.E3.6.1.4.1.5.2. (Added) Prepare AF IMT 2047, *Explosives Facility License*, IAW DESR 6055.09_AFMAN 91-201 for each ammunition and explosives storage locations that are not sited for explosives. The license will require unit commander approval and coordination through Security Forces Squadron (Resource Protection), Base Civil Engineering Squadron (Fire Department) and Munitions Accountable Systems Officer (MASO) prior to 436 AW/SEW final approval.

Matthew S. Husemann, Colonel,
Commander, 436th Airlift Wing

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION.

References

DESR 6055.09_AFMAN 91-201, Explosives Safety Standards, 28 May 2020

Attachment 2

PRE-TASK SAFETY BRIEFING (MINIMAL INFORMATION REQUIRED)

A2.1. Prior to conducting explosives handling or transport operations, operation crew chief must brief explosive and personnel limits, maximum drop distances, specific safety hazards, technical aspects of the munitions item(s) involved, and each crewmember's role during the operation. Each individual must also know what specific task(s) he/she will be performing in case of an emergency. Assign each individual a specific task such as notifying the fire department and other required agencies, the evacuation of all nonessential personnel, fire-fighting responsibilities and directing the emergency response forces to the mishap scene. (Recommend units copy and laminate this standard briefing, fill out with grease pencil/marker, and utilize to brief crewmembers prior to each operation involving explosives).

A2.1.1. Direct operating personnel to remove all rings, watches, and jewelry.

A2.1.2. Visually inspect grounded surfaces and grounding points for serviceability as applicable.

A2.1.3. Inspect fire extinguishers for serviceability.

A2.1.4. Ensure equipment has been inspected and is serviceable.

A2.1.5. Brief EMR hazards and personnel grounding measures (LMR, cell phones, etc. , should not be utilized during explosive operations. A 10-foot minimum separation is mandatory when EMR is required.)

A2.1.6. Brief Operating Limits:. _____.

A2.1.7. Brief Personnel Li A2.its:. _____ Supervisors _____ Workers _____
Casuals

A2.2. In the event of fire:

A2.2.1. _____ **will evacuate all nonessential personnel to the appropriate minimum safety withdrawal distance for the specific explosives Hazard Class/Division indicated in the table below.** Crew Chiefs should identify a rallying point outside the minimum distancerequired for the type of explosives involved. The evacuation assembly area will be _____.

A2.2.2. _____ **will contact the Fire Department and other required agencies.**

A2.2.3. Provide the following information when reporting the fire or emergency situation.

A2.2.3.1. Location of fire or mishap scene.

A2.2.3.2. Explosive hazard class/division involved _____.

A2.2.3.3. Injured personnel.

A2.2.3.4. Minimum safe evacuation distance is _____ feet (see table below).

A2.2.3.5. Evacuation assembly area is _____.

A2.2.4. _____ will attempt to fight the fire. Fight the fire only if in an early stage. Try to prevent the fire from engulfing the munitions.

A2.2.5. _____ will direct the Fire Department to the mishap area.

Figure A2.1. Pre-task Safety Briefing

<u>FIRE SYMBOL</u>	<u>MATERIALS</u>	<u>HAZARD</u>	<u>EVAC DISTANCE</u>
1	1.1/1.5 Explosives	Mass Detonation	4000 ft (500 lbs or more)
2	1.2/1.6 Explosives	Explosion w/fragments	2500 ft (500 lbs or less)
3	1.3 Explosives	Mass fire	2500 ft
4	1.4 Explosives	Moderate fire	600 ft
			300 ft

DROPPED/PARTIALLY ARMED/MUNITIONS IN A HAZARDOUS CONDITION

1. Drop Distances:

<u>IUEM</u>	<u>PACKAGED</u>	<u>UNPACKAGED</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Evacuate all nonessential personnel to an initial safe distance of 300 feet (125 Feet for Simulators and Smoke Producing Munitions). Identify the rallying point prior to the operation.

3. Immediately Contact 436 CES Explosive Ordnance Disposal through 911 Emergency Response Dispatch or by dialing direct to 677-6303/4466.