



**GUIDELINES FOR USE OF THUNDER
VILLAGE COMPLEX DURING OPERATIONAL
WEAPONS/EXPLOSIVES TASKINGS**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction provides guidelines for the use and/or evacuation of Thunder Village when explosives/weapons operations are conducted in the Munitions Storage Area (MSA), Deployed Unit Center (DUC), or when explosives are transported on roadways to or from either location.

1. REFERENCES: AFMAN 91-201, Explosives Safety Standards; AFI 91-202, The US Air Force Mishap Prevention Program; and DoD 6055.9-STD, DoD Ammunition and Explosives Safety Standards.

2. GENERAL: The intent of this instruction is to reduce the exposure of non-related personnel to explosives/weapons operations.

3. DEFINITIONS:

Combat Aircraft Parking Area: Any area specifically designated for the parking of aircraft that are loaded, being loaded, unloaded, or awaiting loading with combat-configured explosives.

Explosives: All ammunition, munitions fillers, demolitions materials, solid rocket motors, liquid propellants, cartridges, pyrotechnics, mines, bombs, grenades, warheads of all types, explosives elements of ejection and aircrew egress systems, air-launched missiles and those explosives components of missile systems and space systems, and assembled kits and devices containing explosives materials.

Explosives-Loaded Aircraft: An aircraft is "explosives-loaded" when it carries munitions or explosives, internally or externally. This term does not include explosive components of aircrew escape systems or pyrotechnics installed in survival and rescue kits.

Explosives Storage Area/Munitions Storage Area (ESA/MSA): A designated area of explosives-containing facilities set aside for the exclusive storage or "warehousing" of the base explosives stock.

Exposed Sites (ES): Any permanent structure, utility, or petroleum oil and lubricants (POL), at risk from either blast or fire effects of a Potential Explosion Site (PES).

Hazard Classification:Identifies the hazardous characteristics of explosives items by their assignment to established hazard categories governing storage and transportation.

Net Explosives Weight (NEW):The total quantity, expressed in pounds, of explosive material or high explosives equivalency in each item or round to be used when applying quantity-distance (Q-D) criteria or other standards.

Non-Related Personnel:Personnel not directly related to the weapons or flight operations involving explosives loaded aircraft, i.e., administrative personnel.

Quantity-Distance (Q-D):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 are tabulated in the Q-D tables. Separation distances are not absolute safe distances, but are relative protection or safe distances.

4. RESPONSIBILITIES: Commanders and supervisors of units possessing and operating aircraft and commanders of units involved in the use or storage of munitions will ensure that the intent of this instruction is satisfied.

4.1. The DUC Commander will:

4.1.1. Coordinate with the 6th Air Refueling Wing, Exercises & Inspections (6 ARW/CVI), at ext. 8-1353 to ensure scheduling of aircraft and armament loads for deployed aircraft parked at the Combat Aircraft Parking Area (CAPA) does not conflict with the scheduled usage of Thunder Village.

4.1.2. Ensure that the following munitions loads are not exceeded at any time for the DUC area:

4.1.2.1. (04) Class 1. Division 1., 500 lbs. NEW (Aim-9s & W.P. 2.75 rockets only)

4.1.2.2. (04) Class 1. Division 2., 500 lbs. NEW Munitions

4.1.2.3. Class 1. Division 3., Capacity

4.1.2.4. Class 1. Division 4., Capacity

4.1.3. Other aircraft configurations may include:

4.1.3.1. 30 MM CTG Ammunition

4.1.3.2. BDU-33s Practice Bombs

4.1.3.3. MK-106 Practice Bombs

4.1.3.4. Defensive Chaff & Flare

4.1.4. The DUC is explosives/weapons sited for only the munitions listed above in paragraphs **4.1.2.** and **4.1.3.**

4.1.5. Ensure that at any time (04) 1.1 or (04) 1.2 munitions are transported from the MSA, loaded on aircraft, and explosives loaded aircraft are awaiting taxiing, Thunder Village is evacuated until the aircraft departs the area or the munitions are placed back into ESA/MSA.

4.1.6. Contact the 6th Maintenance Squadron (6 MXS) Munitions Control at 8-2261 and 6 ARW Command Post at ext. 8-4321 for the coordination of munitions movement from the MSA to the DUC/CAPA. Any time (04) 1.1 or (04) 1.2 munitions are transported from the MSA, the DUC

commander must ensure that Thunder Village is evacuated until the munitions are placed outside of the 400 foot Q-D.

4.2. The MSA will:

4.2.1. Ensure coordination with 6 ARW Exercises & Inspections at ext. 8-1353 any time 1.1 munitions/weapons are to be located inside Building 839.

4.2.2. Ensure coordination with 6 ARW Command Post at ext. 8-4321 any time there is a movement of 1.1, 1.2 munitions/explosives from the DUC or the primary/alternate Hot Cargo pads or along primary/alternate explosive routes.

4.3. TMO will ensure coordination with 6 ARW Command Post at ext. 8-4321 any time there is a movement of explosives along primary/alternate explosive routes.

4.4. 6 ARW Command Post will:

4.4.1. Contact 6 ARW Exercises & Inspections at ext. 8-1353 any time there is a movement of 1.1, or 1.2 munitions/explosives from the DUC, primary/alternate Hot Cargo pad, or along primary/alternate explosive routes.

4.4.2. Notify the Thunder Village commander any time hazard class/division 1.1, or 1.2. explosives are located at the DUC/CAPA or within Building 839.

4.5. 6 ARW Exercises & Inspections will:

4.5.1. Ensure the DUC commander and MSA are aware any time Thunder Village is inhabited by personnel. This includes short notice use of Thunder Village and unscheduled maintenance.

4.5.2. Ensure the Thunder Village commander is notified any time hazard class/division 1.1, or 1.2 explosives are located at the DUC/CAPA or within Building 839.

4.5.3. Ensure Thunder Village is evacuated any time hazard class/division 1.1, or 1.2 explosives are located at the DUC/CAPA or within Building 839.

4.6. The Thunder Village Commander will:

4.6.1. Coordinate with 6 ARW Exercises & Inspections at ext. 8-1353 to ensure an understanding of explosives/munitions operations within the DUC/CAPA and the ESA/MSA.

4.6.2. Evacuate Thunder Village when informed of explosive/munitions operations at the DUC/CAPA or within the ESA/MSA.

4.6.3. Ensure evacuation of personnel to the evacuation point for Thunder Village directly behind Building 71 and the fenced platform between the facility. Failure to evacuate to this location may place individuals at a greater risk.

4.7. Wing Safety will:

4.7.1. Coordinate with 6 ARW Exercises & Inspections at ext. 8-1353 to ensure all agencies are aware and understand the explosives/munitions principles involved with the DUC and ESA/MSA.

4.7.2. Review this document at least annually.

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Commander