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Safety

**CLEARING JAMMED GAU 8/A 30MM GUN
SYSTEMS FOR MAINTENANCE COMPLEX**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This Fighter Wing Instruction (FWI) implements AFPD 91-2, *Safety Programs*, and establishes procedures for the safe operation and clearing of hot or jammed gun systems on the A-10A/OA10A aircraft. Reference AFMAN 91-201, *Explosive Safety Standards*; Technical Orders (T.O.s) 1A-10A-2-94-JG-6, *Organizational Maintenance Armament 30MM Gun System*, 1A-10A-33-1-2, *Non-Nuclear Munitions Loading Procedures*, 11W1-12-10-2, *Intermediate Maintenance Instruction GAU-8/A, 30MM Gun System*, 11W1-7-14-2, *Intermediate Maintenance Instruction, 30 MM Gun System Subassemblies*, 11A-1-46, *Fire Fighting Guidance, Transportation and Storage*.

SUMMARY OF REVISIONS

Revises entire instruction from procedures for F-16 M61A1 Gun System to procedures for GAU8/A 30MM Gun System, as well as instruction title and referenced directives.

- 1. Responsibilities.** These procedures apply to all personnel assigned to the 926th Logistics Group (LG) and the 706th Fighter Squadron Maintenance (FSM).
- 2. Explosive Limits.** Class-Type 30mm ammunition, as stated in T.O. 11A-1-46.
- 3. Personnel Limits.** A minimum of three qualified 2W1X1 personnel, one of which must be qualified Hot Gun Clearing Supervisor (HGCS). In addition, two casuals are permitted, however, they must remain clear of operation.
- 4. Personnel Qualifications.** Designated 2W1X1 individuals will be qualified crewmembers after the appropriate training. Highly qualified 2W171s (minimum) will be designated as HGCS. Annual training will be documented in the Core Automated Maintenance System (CAMS).

5. Equipment Requirements. Hand tools, Consolidated Tool Kits (CTKs), Ammunition Cans, Technical Data and Hot Gun CTK.

6. Location of Operations. The approved hot gun clearing spot is on the South end of runway 04, de-arm spot farthest from the runway. Position aircraft 20 feet forward of normal de-arm spot.

7. Emergency Operations:

7.1. In case of fire, or an explosive incident, notify Command Post/Dispatch.

7.2. In case of fire, evacuate area, record the time that flames envelope munitions and give time to the fire fighting supervisor.

7.3. If fire has not enveloped munitions, fight fire.

8. Safety Precautions:

8.1. The HGCS has the overall responsibility for the safety of the operation. The HGCS will give a pre-task Safety Briefing, see Attachment 1, on the hazards involved, prior to the clearing task, to include WARNINGS contained in the System Stoppage section of T.O. 1A-10A-2-94JG-6.

WARNING: 30MM AMMUNITION IS PERCUSSION PRIMED. ONLY ONE ROUND PER HAND WILL BE HANDLED AT A TIME.

8.2. The status of the gun must be known, (i.e., is the safety pin installed, is the gun jammed and are there live rounds in the gun), prior to any action by maintenance personnel. If it can be determined by a visual inspection that live rounds are in the gun (rounds on the feed and return side of the gun), do not rotate the gun until directed by appropriate technical data.

8.3. During gun clearing operation, personnel will not attempt to rotate the gun forward without the gun safety pin installed. The gun safety pin will not be removed from the gun for any reason other than those prescribed in T.O. 1A-10A-2-94JG-6.

8.4. Hydraulic and/or electrical power will not be used to clear a jammed gun.

8.5. No GAU 8/A gun, still jammed with ammunition, will be allowed to enter the armament facility.

8.6. A rubber or foam mat will be used on the ground to prevent a round from striking the ground, if accidentally dropped.

9. Sequence of Operations:

9.1. Upon notification that a hot/jammed gun exists, Command Post notifies FSM supervision, the flight line expediter, Weapons Flight, armament shop, munitions storage and Quality Assurance Munitions inspector.

9.2. Contact De-arm crew (HOT TRUCK) and let them know that we have a possible Hot/Jammed Gun.

WARNING: VERIFY THE POSITION OF ANY POSSIBLE LIVE ROUNDS IN THE GUN.

9.3. The Weapons Flight de-arm crew will attempt to safe all munitions and gun system. If gun cannot be safe, the Weapons Flight de-arm crew will coordinate with the Armament Shop to dispatch a hot gun clearing crew, as applicable.

- 9.4. If practical, remove all live ammunition from accessible chutes to preclude the handling of live ammunition in the aircraft parking area.
- 9.5. All live ammunition and residue will be placed in containers and Munitions Storage notified to pickup, i.e., broken 30mm cases and loose propellants.
- 9.6. Do not remove any component or part from a gun unless it can be determined, positively, what will occur when the component is removed.
- 9.7. Barrels with jammed rounds are turned over to the Explosive Ordnance Disposal (EOD) team.
- 9.8. Clear gun as necessary, in accordance with (IAW) T.O.s 1A-10A-2-94JG-6 and 11W1-7-14-2, and disassemble IAW T.O. 11W1-12-10-1.
- 9.9. Once the gun is safe and cleared, notify Command Post that the aircraft is ready to be towed back to the parking ramp.
- 9.10. If at any point it is determined that the gun cannot be safe without jeopardizing the safety of personnel, the operation will cease immediately and the gun system will be tagged, identifying the hazardous condition, and will be turned over to the EOD for disposition.

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Commander

Attachment 1

PRE-TASK BRIEFING

1. Hot Gun Clearing Crew Supervisor (HGCS) briefs crewmembers and authorized visitors on the cooperation to be performed and each person's role in the task.

Task to be performed: _____

2. Explosive limits: _____

Special hazards: _____ Hazard class/division: _____

Withdrawal distance/assembly area: _____

3. Personnel limits. Supervisors: _____ Workers: _____ Visitors: _____

4. Location of Operation: _____

5. Check grounding straps and connecting hardware for serviceability and ensure 1-150 16-1211 Halon (1) serviceable fire extinguishers, suitable to the operation, are on hand.

6. Emergency Procedures. In case of emergency, cease all operations, evacuate nonessential personnel, notify appropriate agencies.

_____ will man fire extinguishers.

_____ will notify control of the location and munitions involved. If immediate contact with Control is not possible, call ext. 83333.

7. Remove all jewelry (watches, rings, necklaces, etc.).

8. Brief applicable warnings, cautions, notes from specific item T.O.s.

9. Brief any peculiarities on tasks performed and ask if there are any questions concerning the operation.

10. Perform tasks in accordance with LOIs, FWIs and/or T.O.s.

11. Do not permit unauthorized personnel entry into operational areas without crew chief approval.

12. HGCS briefs any new personnel/visitors on the operation and actions to be taken in case of emergency.

13. HGCS accounts for all personnel/visitors associated with their operation, at all times.