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**Maintenance**

**HOT REFUELING PROCEDURES**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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OPR: 926 MXG/MXQ (MSgt. Barry J. Ourso)

Certified by: 926 MXG/CC  
(Lt Col Reginald Stroud)

Supersedes AFRCI 21-101/926 FW Sup,  
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This instruction implements AFI 21-101, *Aerospace Equipment Maintenance Management*. It establishes procedures for, and applies to those personnel in 926th Maintenance Group (MXG) 926th Maintenance Squadron (MXS), 926th Aircraft Maintenance Squadron (AMXS) and 706th Flying Squadron (FS) concerned with the planning, execution and documentation of Hot Refueling Operations for the 926th Fighter Wing.

**SUMMARY OF REVISIONS**

This Instruction consolidates and implements guidance contained in AFI 21-101, *Aerospace Equipment Maintenance Management*; AFI21-101/AFRC Sup, *Aerospace Equipment Maintenance Management*; Technical Order (T.O.) 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*. It is advised to read this instruction thoroughly to review changes implemented. A bar ( | ) indicates revisions from the previous edition.

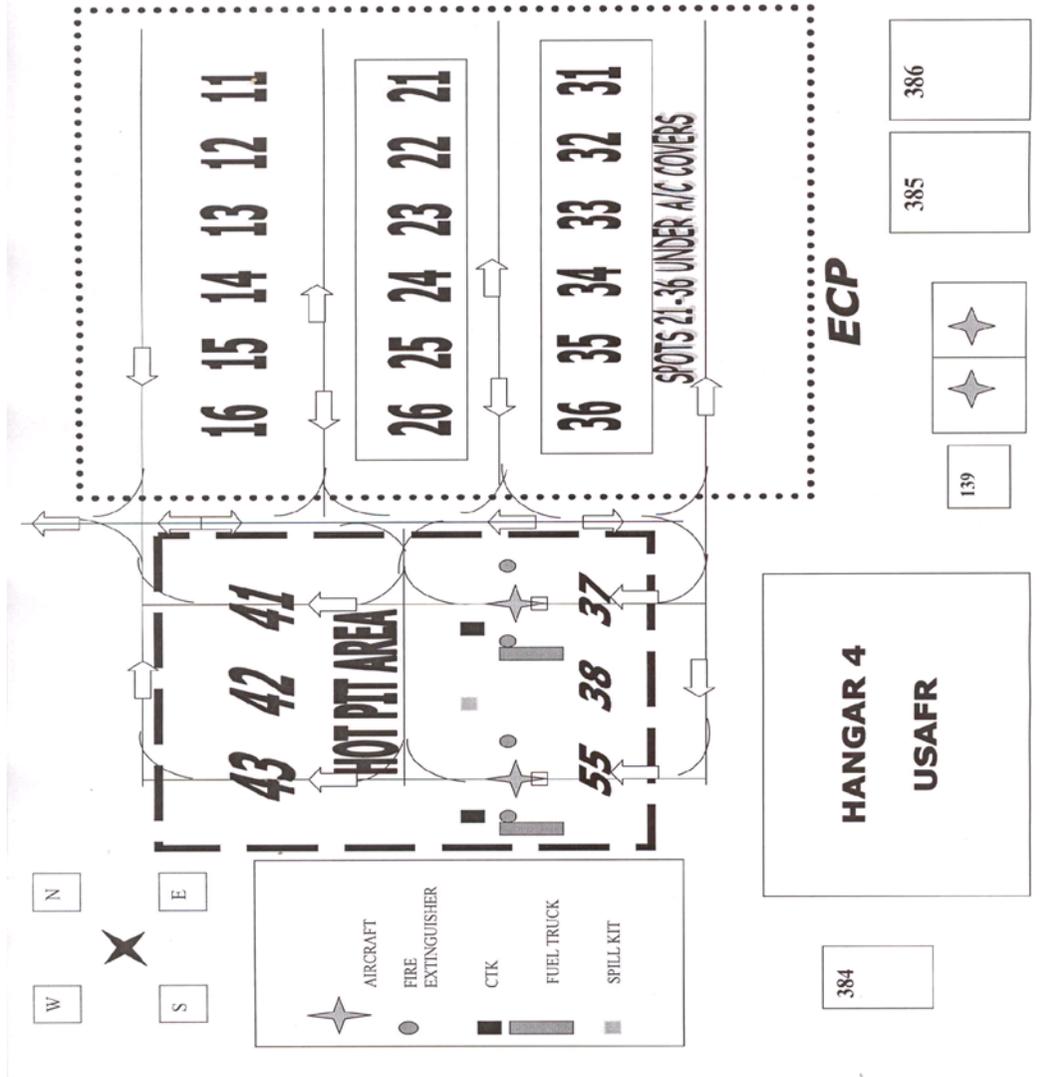
**1.** Hot Refueling is the transfer of fuel into an aircraft having one or more engines running. The purpose of Hot Refueling is to reduce aircraft ground time; personnel and support equipment requirements. All 926 FW Hot Refueling operations shall be conducted IAW AFI 21-101 and all applicable technical data. Personnel with assigned responsibilities for Hot Refueling will familiarize themselves with the following Hot Refueling reference data: AFI 21-101; AFI 11-218, *Aircraft Operations and Movement on the Ground*; T.O. 00-25-172; T.O. 00-25-172CL-4; *Checklist -- Aircraft Servicing With USAF R-5, R-9, And R-11 Servicing Vehicles*; T.O. 37A9-3-11-1CL-1, *Checklist -- Operational and Organizational Maint. Hot Refueling and Hot Integrated Combat Turn-Around Procedures, Acft. Fuel Servicing Unit Type GRU 17/ E Pantograph PACAF Type IV Hydrant Servicing*; T.O. 1A-10A-2-12JG-1, *Org. Maint. -- Job Guide -- Servicing (Fairchild Republic Co)*; and AFOSHSTD 91-100, *Aircraft Flight Line - Ground Operations and Activities*.

2. All designated 926 FW Hot Refueling sites shall be approved and certified by an AFRC and or unit certification team (IAW AFI 21-101 and AFRC Supplement) prior to any Hot Refueling operations.
3. Hot Refueling shall be scheduled during the weekly scheduling meeting and printed in the weekly flying schedule. A copy of the weekly flying schedule will be sent to the Base Fire Department. The quantity of Hot Refueling scheduled shall be sufficient to accommodate all training requirements.
4. The 926 AMXS Expediter, in coordination with the Production Supervisor, shall manage aircraft flow through the Hot Refueling area.
5. The Hot Pad Supervisor or the Hot Refuel Supervisor shall up channel the completion of each Hot Refueling through the 926 AMXS Expediter or Production Supervisor.
6. The 926 AMXS Expediter or Production Supervisor shall ensure a fire truck is available to support all Hot Refueling operations.
7. The 926 AMXS Expediter or Production Supervisor shall notify Base and Unit Operations prior to the start of all Hot Refueling operations to ensure no radar operation within 300 feet of Hot Refueling area.
8. The 926 FW designated (Primary) Hot refueling site is located on the Aircraft Parking Ramp located on the Northwest side of hangar #4 (See [Attachment 1](#)). The 926 FW designated (Alternate) Hot Refueling site is the High Power Run Up Area located at the Southeast end of runway 32, (See [Attachment 2](#)).
9. The 926 AMXS ensures sufficient personnel remain qualified for Hot Refueling.
10. All Hot Refueling Team members will meet all qualifications listed in AFI 21-101 and AFRC Supplement.
11. The 926 AMXS shall have the responsibility of developing and or maintaining all required equipment including a locally developed Hot Refueling Consolidated Tool Kit (CTK).
12. All Hot Refueling members shall be trained and certified IAW AFI 21-101 and AFRC Supplement. Designated 926 MXG Quality Assurance (MXQ) augmentees shall have the primary responsibility for the training of all Hot Refueling personnel. Designated 926 MXG/MXQ Inspectors shall have the primary responsibility for certifying Hot Refuel personnel.
13. Selected Quality Assurance Inspectors and Augmentees shall be designated by letter, as Hot Refueling Train, Evaluate and Certify (TEC) instructors.

RANDALL G. FALCON, Colonel, USAFR  
Commander

Attachment 1

HOT REFUELING SITE MAP



Attachment 2

ALTERNATE HOT REFUELING SITE MAP

