

**BY ORDER OF THE COMMANDER
434TH AIR REFUELING WING**

**434TH AIR REFUELING WING
INSTRUCTION 91-203**

31 OCTOBER 2012



Maintenance

**HANGAR DOOR OPERATIONS AND
MARKINGS**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Air Force Policy Directive (AFPD) 21-1, *Air and Space Maintenance*. This instruction establishes procedures and responsibilities for aircraft maintenance debriefing. This directive is applicable to all 434 ARW personnel. 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 field through Major Command (MAJCOM) publication/forms managers. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afrims/afrims>. The use of the name or rank of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

This is the initial publication of 434ARW91-203, *Hanger Door Operations and Markings*.

Converted from a Maintenance Operating Instruction to a Wing Instruction 434ARWI91-203, *Hanger Door Operations and Markings*.

1. Responsibilities:

1.1. In order to ensure strict compliance and provide maximum safety of personnel and prevent damage to equipment all personnel who operate electric hanger doors shall become familiar with 434ARWI 91-203, *Hanger Doors Operations and Markings*.

2. Training requirements for electrically operated hangar doors: All commanders or designated representatives must enforce hangar door training requirements. Supervision will select and authorize personnel to receive the training required to operate electric hangar doors IAW AFI 91-203.

2.1. Certified individuals of the 434 MXG will serve as hanger door operator trainers, these individuals will provide hands on training in operation of electric hangar doors. Training will be document using AF Form 2426/class roster or equivalent and return to MXOT for entry into GO81. A list of all MXG personnel authorized to operate hangar doors is available electronically thru GO81 and can be reviewed as required.

2.2. For individuals not assigned to the MXG, certified individuals will serve as trainers and complete the AF Form 2426 (or equivalent) and return to their commander or designated representative to document that proper training was received. The commander or designated representative will forward a letter of delegation to the 434 MXG/CC.

2.3. At a MINIMUM hanger door training must consist of the following: Read and understand 434ARWI91-203 *Hanger Door Operations and Markings*. Demonstrate the dangers of operations hanger door. Understand the purpose and operation of all switches. Show where the minimum door opening markings are and understand their purpose. Explain the Clear Zones and there functions.

3. Awareness Training: Hangar doors have the potential to be very dangerous and potential loss of life may occur if not properly trained to perform hangar door operations. All personnel who routinely visit, work or pass through hangar facilities must receive annual hangar door awareness training.

4. Documentation:

4.1. All types of electrically operated hangar doors must have a separate training and course code. Course codes are as follows: Hanger Door Operator Training GO81 Course code GRIS 00012 (Nose Docks 1 & 3), GRIS 00013 (Nose Dock 2), GRIS 00018 (Nose Dock 6) and GRIS 00019 (Building 592).

4.2. Hanger Door Awareness Training AFRC 001100.

4.3. All Hangar Door training (Awareness & Operator) will be documented in GO81 for Maintenance Group personnel. Personnel without GO81 access training will be documented on AF Form 55, employee Safety and Health record or equivalent and updated annually.

4.4. Upon annual refresher training or when new members have received training, new letters of delegation will be sent to 434 MXG/CC.

5. Hangar Door Operations (normal conditions):

5.1. Only properly trained and documented operators will open or close electric hanger doors. Door operators will visually check the doors, inside and out, door bays, alcoves and door wells, and ensure all areas are clear for movement.

5.2. Ensure hangar doors sounding devices are operational IAW AFOSH STD 91-100. Discontinue at any time the warning bells malfunction, and notify your supervisor to lock out the system until repaired.

5.3. For aircraft movement, ensure the doors are open to a point at or beyond the yellow floor markings (75' 5") and the overhead door is fully up prior to aircraft movement.

5.4. When closing the doors with aircraft in place, ensure main aircraft wheels are located in the painted boxes and the nose gear is centered on the yellow line. This will ensure the aircraft is centered correctly in the hangar.

5.5. If left open hangar doors will be opened a minimum of 10 feet. Overhead doors will be fully opened.

6. Hangar Door Operations (adverse conditions):

6.1. Electrical/manually Operated hangar doors in addition to items indicated in item five the following items will apply:

6.2. Inspect the door tracks for snow/ice accumulation prior to any door operation. Remove all ice/snow from tracks prior to door operation. If necessary apply heat until all ice/snow is removed and doors are able to move.

7. Additional Safety Procedures:

7.1. Vehicles operations around hangars. Vehicles will not be left unattended behind aircraft in hangars.

7.2. Clear space requirements. At the end of the duty day all support equipment, AGE, panel racks and high reaches will be removed from behind the aircraft

WILLIAM T. CAHOON, Col, USAFR
Commander

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

AFMAN 33-363, *Management of Records*

AFPD 21-1, *Air and Space Maintenance*

AFI 21-101, *Aerospace Equipment Maintenance Management*

AFI 91-203, *Air Force Consolidated Occupational Safety Instruction*

434 WOI 91-203, *Hanger Door Operations and Markings*

Adopted Forms

AF Form 55, *Employee Safety and Health Record*

AF Form 2426, *Training Request and Completion*

Abbreviations and Acronyms

AFI—Air Force Instruction

AFOSH—Air Force Occupational Safety Health

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

AFRC—Air Force Reserve Command

AGE—Aircraft Ground Equipment

ARW—Air Refueling Wing

ARWI—Air Refueling Wing Instruction

CC—Commander

IAW—In Accordance With

MAJCOM—Major Command

MXG—Maintenance Group

MXOT—Maintenance Office of Training

OPR—Office of Primary Responsibility

RDS—Records Disposition Schedule

STD—Standard

WOI—Wing Operating Instruction

Terms

G081—IMDS for Mobility

Hangar—large structure used to store or repair aircraft

Nose Dock—Large structure used to store or repair aircraft, also referred to as a hangar