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Operations

LIVE ORDNANCE LOADING AREA (LOLA)

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This instruction implements Air Force Manual (AFMAN) 91-201, *USAF Explosives Safety Standards*, Air Force Instruction (AFI) 11-2F-16V3/482FW Supplement 1, *F-16 Operations Procedures Chapter 8-Local Operating Procedures*, Technical Order (TO) 11A-1-33, *Maintenance of Explosive Loaded Aircraft*, UFC 3-260-01, *Airfield and Heliport Planning and Design*, and 482d Maintenance Group Operating Instruction (482 MXG OI) 21-106, *Munitions Electrical Storm/Hazardous Weather Warnings*. It establishes local procedures for accomplishing the Live Ordnance Loading Area (LOLA). The LOLA process includes maintenance, operations, security, transportation, notification, and handling of live ordnance. This Instruction identifies the specific steps each functional area will accomplish in order to establish a safe and effective LOLA. It applies to all 482d Fighter Wing (482 FW) personnel involved with the Live Ordnance Loading Operation (LOLO). Refer recommended changes to and questions about this publication to the Office of Primary Responsibility (OPR) using Air Force 847 (AF Form), *Recommendation for Change of Publication*; route AF Form 847 from the field through the appropriate functional' s chain of command. Ensure all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afrims/afrims/rims.cfm>.

1. Responsibilities. The 482d Operations Group Commander (482 OG/CC), 482d Maintenance Group Commander (482 MXG/CC), and the 482d Mission Support Group Commander (482 MSG/CC) have primary responsibility for establishing a LOLA/LOLO and ensuring the program is conducted as prescribed by Homestead Air Reserve Base (HARB) Explosive Site Plan (ESP) 03-S1 thru GT1. The 482 OG/CC, 482 MXG/CC, and the 482 MSG/CC may appoint alternates

to implement and monitor the progress of the procedures in this instruction, but remain ultimately responsible for its management and success.

1.1. **Explosive Limits:** Each Aircraft parking location is sited for the following Net Explosive Weight (NEW) and Hazard Class/Division (HC/D):

1.1.1. Not to exceed 1,890 pounds NEW of HC/D 1.1D.

1.1.2. Not to exceed 300 pounds NEW of HC/D 1.2.1 with a Maximum Credible Event (MCE) of less than 76 pounds.

1.1.3. Not to exceed 873 pounds NEW of HC/D 1.2.2.

1.1.4. Not to exceed 8,285 pounds NEW of HC/D 1.3.

1.1.5. Mission essential quantities of HC/D of 1.4 explosives.

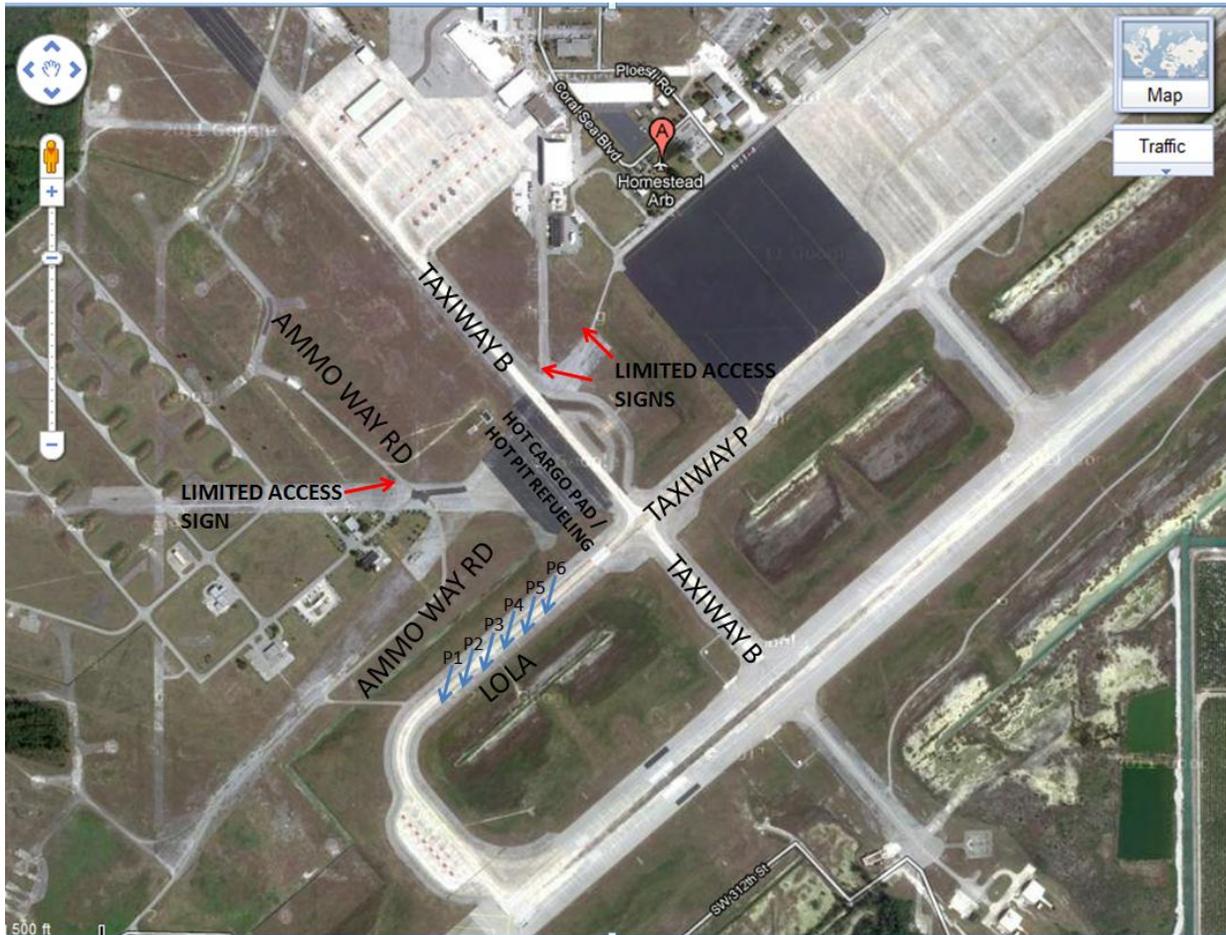
1.1.6. These NEW's cannot be exceeded. If mission requirements change that will exceed this NEW or the existing Quantity Distances arcs associated with each aircraft parking location, contact 482 FW/SEW.

1.2. Personnel Limits. Only those personnel directly related and supporting the operation are authorized to be near the Combat Aircraft Parking Locations (CAPAs) or within the hazard clear zones during live ordnance locations. All agencies involved with this operation should strive to comply with AFI 21-101, paragraph 1.18., *Air Force Munitions Policy*. Expose the minimum number of people to the minimum amount of explosives for the minimum amount of time. These limits do not apply to 482 FW Safety (482 FW/SE), 482 MXG/Quality Assurance (482 MXG/QA), or outside inspection agencies performing official functions. The 482 FW/CC is minimum approval level for allowing personnel into the LOLA who are not directly related to live ordnance operations.

1.3. Location of operations. Live ordnance operations will be conducted on the designated aircraft parking locations identified as LOLA 01 to LOLA 06 located on Taxiway Papa; reference **Figure 1**, *LOLA Map*.

1.3.1. All aircraft assigned to LOLA operations shall be moved in Combat Ammunition System, (CAS) by the Weapons Expediter and verified by Munitions Control.

Figure 1. HARB LOLA MAP.



1.4. Safety Requirements. Safety and Personnel Protective Equipment requirements will be consistent with established technical orders, Air Force instructions, AFOSH standards, local operational instructions, and this 482 FW instruction. Changes or modifications outside of the scope of these requirements should be reviewed by all affected agencies. Refer to 482 FWI 21-101, *FOD and DOP Prevention Program* for cell phone usage.

1.4.1. All personnel performing any type maintenance are required to have successfully completed “Maintenance of Explosive Aircraft” prior to performing any maintenance on the aircraft

2. General.

2.1. While performing live ordnance load operations at Taxiway Papa; Spots F16P1 through F16P6, Airfield Operations, 93d Fighter Squadron Armament Section (93 FS), 482d Operations Group, and 482d Maintenance Squadron, will restrict access to the following areas while live ordnance is present and upload/download operations are taking place:

2.1.1. Hot Cargo Pad – No operations will be allowed without prior approval from 482 FW/SEW.

2.1.2. Ammo Way Road – 482d Maintenance Squadron, Munitions personnel will post limited access signs on the Northwest side of the road, 93d Fighter Squadron (93 FS)

Mako Ramp road to Taxiway Bravo, and Flightline road to Taxiway Bravo; reference **Figure 1.1** *Restricted Roadway Access Sign Locations*.

2.1.3. Hush House Road – 482 OG/CC - Control Tower will restrict non-related personnel and equipment access to Hush House Road from the southern side of the base and the crossing of or access to Runway 5 end taxiways and the runway.

2.1.4. To access BRAVO taxiway, contact Control Tower for clearance, to access AMMO WAY Road, contact Munitions Control at 415-7462 or by Maintenance radio net.

3. Policies.

3.1. 482 OG/CC:

3.1.1. Taxiway Papa will be blocked or controlled at Taxiway Bravo intersection to prevent aircraft other than 93 FS aircraft from entering the live ordnance load section of the taxiway. United States Customs (USC) and Detachment 1, 125th Fighter Wing Florida Air National Guard (Det 1, 125 FW FANG) aircraft will be directed to use Taxiway Bravo to access the runway during launch or recovery. Base Operations will Notice to Airman (NOTAM) the LOLA closed during Live Ordnance Operations.

3.1.2. Will ensure the Foreign Object Damage (FOD) sweeper cleans the Taxiway Papa sector prior to, during, and when operations are completed to reduce FOD potential. Aircraft maintenance parking location FOD checks will be enforced. This area is considered a high FOD area risk due to the asphalt deterioration and design.

3.1.3. Will ensure that all 482 FW pilots follow procedures set forth in AFI 11-2F-16V3_482FW_Sup 1, concerning concurrent operations will not be conducted at the EOR locations during Hung ordnance or Unsafe Ordnance procedures. Only Runway 5 and 23 end of runway (EOR) Spot 8 locations will be used for Unsafe or Hung Ordnance procedures on live ordnance loaded aircraft. An alternate Hung/Unsafe Ordnance location on Taxiway Delta will be used if a critical need for the Active Runway is necessary.

3.1.4. 482d Civil Engineers Squadron Fire Department (482 CES/CEF) will be notified of the scheduled live ordnance operations to ensure Emergency Fire Response personnel are available and trained to respond to live ordnance aircraft emergencies.

3.2. 482 MXG/CC:

3.2.1. The Munitions Storage Area (MSA) wash rack facility, building 247 will not be utilized during live load operations.

3.2.2. Munitions delivery trailers will be present for upload and download operations only and will return to the MSA between upload/download operations. There are no established Munitions Holding Area other than MSA's sited locations for this operation. When live ordnance is loaded on Spots 1 thru 6, Taxiway Papa; loaded munitions trailers will not be parked on the taxiway for extended periods of time.

3.2.3. Control Tower and Fire Department personnel will be notified when explosives are uploaded and downloaded from parked aircraft in the Taxiway Papa parking locations; indicating the Hazard Division/Classification, exact location, and quantities.

3.2.4. 482d Maintenance Group, Maintenance Operation Control (482 MXG/MOC) will annotate this information on the explosives hazard display board.

3.2.5. The primary munitions, AGE, refueling, and red ball vehicles delivery route will be from the MSA to Ammo Way road to taxiway Papa access road off of Ammo Way road and then onto Taxiway Papa to the specific LOLA parking location. The alternate munitions delivery route will be from the MSA to Flightline road through the Hot Cargo location, to Taxiway Bravo, right onto Taxiway Papa, and then to the specific LOLA parking locations.

3.2.6. The MSA's government vehicle parking location next to the Wash Rack area, Bobtail/BDU Line Delivery trailer, and MHE parking locations next to building 248 will be relocated during any live ordnance operations to reduce equipment exposure.

3.2.7. Building 248, Combat Munitions Unit's bay doors, facing the live ordnance load areas, will be closed during EOR operations. Building 253, Trailer Maintenance facility will be unoccupied and the two-rollup garage doors will be closed during live load operations.

3.2.8. Pre-positioned Emergency Support equipment for these operations should include a minimum of two aircraft tow bars and tugs.

3.2.9. A FOD walk shall be accomplished prior to the first go each day when LOLA operations are conducted.

3.3. **482 MSG/CC:**

3.3.1. 482d Security Forces Squadron (482 SFS) will be notified of the scheduled live ordnance operations to ensure security personnel are available to provide aircraft security if the aircraft are parked overnight on Taxiway Papa.

3.3.2. Explosive Ordnance Disposal support at MacDill and Patrick Air Force Base (AFB) will be notified of the scheduled live ordnance operations to ensure availability and timely response. Until Explosive Ordnance Disposal (EOD) is established at HARB, EOD at MacDill and Patrick Air Force Base (AFB) shall be notified to ensure availability and timely response.

3.4. **482 OG/CC and 482MXG/CC.**

3.4.1. Will ensure a combined Operational Risk Management (ORM) Assessment package that addresses the potential risks associated with Live Ordnance operations on Taxiway Papa. The ORM package will be endorsed by the 482 OG/CC and 482 MXG/CC, reviewed by 482 FW/SE, and approved by the 482 FW/CC.

4. Emergency Procedures.

4.1. For Fire:

4.1.1. LOLA supervisor shall Notify the 482 MSG/CEF and evacuate non-essential personnel to minimum withdrawal distance.

4.1.1.1. For class and division 1.1 explosives do not fight fire unless rescue attempt is planned.

- 4.1.1.2. For class and division 1.2 explosives, attempt to extinguish fire in early stages if explosives are not directly involved.
- 4.1.1.3. For class and division 1.3 explosives, fire may be fought if explosives are not directly involved.
- 4.1.1.4. For class and division 1.4 explosives fight fire however, expect minor explosions and hot fragments.
- 4.1.2. Minimum withdrawal distances for non-essential personnel are as follows:
 - 4.1.2.1. For class and division 1.4 minimum distance is 300 feet.
 - 4.1.2.2. For class and division 1.3 minimum distance is 600 feet.
 - 4.1.2.3. For class and division 1.2.1., 1.2.2., and 1.2.3. minimum distance is 2,500 feet.
 - 4.1.2.4. For class and division 1.1 (mass detonation) minimum distance is 4,000 feet.
- 4.2. For dropped or partially armed explosives with no fire involved, withdraw to 300 feet. After evaluation by on-scene commander, distance for non-essential personnel may be adjusted.
- 4.3. **Weather Warning:**
 - 4.3.1. Lightning Watch will be in effect 30 minutes prior to thunderstorms being within a 5 nautical mile (nm) radius of the LOLA.
 - 4.3.1.1. No Lightning Protection System (LPS) exist on the LOLA, all personnel will be required to withdraw to PTR.
 - 4.3.2. A Lightning Warning will be in effect whenever any lightning is occurring within a 5 nm radius of the LOLA, for lightning within 10 nm, cease all munitions movements/transporting.
 - 4.3.2.1. Cease operations and provide personnel protection equivalent to Public Transportation Route (PTR) distance from explosive loaded aircraft. The PTR separation distance is determined by computing the NEW with the PTR K factor. See weapons safety for the exact distance calculation from explosive loaded aircraft at the LOLA.

DONALD R. LINDBERG, Colonel, USAFR
Commander, 482d Fighter Wing

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

482 FWI 21-101 IC1, *Foreign Object Damage (FOD) and Dropped Object Prevention Program (DOP)*, 14 July 2011

482 FWI 21-101_IC-1, *Foreign Object Damage (FOD) and Dropped Prevention Program (DOP)*, 14 July 2011

482 MXG OI 21-106, *Munitions Electrical Storm/Hazardous Weather Warnings*, 11 July 2011

AFI 11-2F-16V3, *F-16 Operations Procedures Chapter 8-Local Operating Procedures*, 18 February 2010

AFI 11-2F-16V3/482FW_Sup 1, *F-16 Operations Procedures Chapter 8-Local Operating Procedures*, 23 March 2011

AFMAN 33-363, *Management of Records*, 1 March 2008

AFMAN 91-201, *USAF Explosives Safety Standards*, 12 January 2011

TO 11A-1-33, *Handling and Maintenance of Explosive Loaded Aircraft*, 29 August 2010

UFC 3-260-01, *Airfield and Heliport Planning and Design*, 17 November 2008

Adopted Forms

AF Form 673, *Air Force Publication/Form Action Request*

AF 847 Form, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AF—Air Force Base

AFI—Air Force Instruction

AFMAN—Air Force Manual

AMXS—Aircraft Maintenance Squadron

AFRC—Air Force Reserve Command

AFRIMS—Air Force Records Information Management System

AFTO—Air Force Technical Order

CAPA—Combat Aircraft Parking Area

CC—Commander

CEF—Fire Department

EOR—End of Runway

ESP—Explosive Site Plan

FOD—Foreign Object Damage

FW—Fighter Wing
FWI—Fighter Wing Instruction
IAW—In Accordance With
LOLA—Live Ordinance Load Area
LPS—Lightening Protection System
MCE—Maximum Credible Event
MOC—Maintenance Operations Center
MXG—Maintenance Group
MXS—Maintenance Squadron
NOTAM—Notice to Airman
OG—Operations Group
OI—Operating Instruction
ORM—Operational Risk Management
OPR—Office of Primary Responsibility
PPE—Personal Protective Equipment
PTR—Public Transportation Route
RDS—Records Disposition Schedule
SEW—Safety Office
SUP—Supplement
USAF—United States Air Force
USAFR—United States Air Force Reserve
USC—United States Customs