

**BY ORDER OF THE COMMANDER
WRIGHT-PATTERSON AIR FORCE
BASE**

**WRIGHT-PATTERSON AFB
INSTRUCTION 24-201**

20 AUGUST 2020

Transportation

**MOVEMENT OF
MUNITIONS AND EXPLOSIVES**



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AFPD 24-6, *Distribution and Traffic Management*; establishes procedures for intrabase movement of munitions and explosives on Wright-Patterson Air Force Base (WPAFB). The purpose of this instruction is to ensure the safe and proper receipt, shipment, transport, and accountability for Arms, Ammunition and Explosives (AA&E) at WPAFB. This instruction applies to all base, tenant, and transient activities involved in transporting explosives on WPAFB, including Air Force Reserve and Air National Guard (ANG). Send comments and suggestions about this publication for improvements on AF Form 847, *Recommendation for Change of Publication*, to the Office of Primary Responsibility (OPR). Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Management of Records*, and disposed in accordance with the Air Force Records Disposition Schedule (RDS).

SUMMARY OF CHANGES

This instruction reflects changes in directives, office symbols and phone numbers. Additionally, it implements additional Explosive Limits for Hotel 1-4 and India 1 and 2.

1. Responsibilities. Personnel responsible for the implementation, development, coordination, and approval of operating instructions supporting this instruction must be familiar with the following directives:

- 1.1. AFMAN 91-201, *Explosives Safety Standards*.
- 1.2. AFI 24-602V2, *Cargo Movement*.
- 1.3. AFI 31-101, *Integrated Defense (FOUO)*.
- 1.4. DTR 4500.9R, *Defense Traffic Management Regulation*.
- 1.5. DODM 5100.76, *Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives*.

2. Procedures.

2.1. All intrabase movement of explosives must be in compliance with Department of Defense (DoD), Department of the Air Force, Department of Transportation, State, and other pertinent directives. Transporters must adhere to approved explosives movement routes designated by the Commander's explosives safety representative. Official master plan maps reflecting these routes are located in the following areas:

- 2.1.1. 88 LRS/LGRDCF, Freight Terminal, Building 30143.
- 2.1.2. 88 OSS/OSG, Munitions Storage Area, Building 34052.
- 2.1.3. 788 CES/CEXFP, Fire Protection Branch, Building 30146.
- 2.1.4. Base Defense Operations Center (BDOC), Building 10295.
- 2.1.5. 88 OSS/OSAM, Base Operations, Building 30206.
- 2.1.6. 88 ABW/SE, Safety Office, Building 30110.

2.2. Surface Movement.

2.2.1. 88 LRS/LGRDCF personnel will perform a vehicle inspection using DD Form 626, *Motor Vehicle Inspection (Transporting Hazardous Material)* and initiate AF Form 4388, *Inbound Transportation Protective Service Material Checklist*, for each terminating shipment, and accept delivery. All explosives/munitions shipments arriving at WPAFB must enter the base primarily through Gate 26A. Gate 15A may be used as alternate entry points due to contingencies, weather, threat, construction, etc.

2.2.1.1. **Attachment 2** of this instruction illustrates the explosives movement routes used to support 704 Test Group and Air Force Research Laboratory operations in Area B. These route illustrations are self-explanatory and both lead to Building 20100.

2.2.1.2. Routes illustrated in attachment use bold, solid blue lines to illustrate primary explosives movement route. Alternate explosives movement route is illustrated using bold, solid green lines. These routes have been designated as the safest possible to cover all phases of surface movement.

2.2.2. During normal duty hours (M-F, 0730-1600), when an explosives laden truck arrives at Gate 26A, Security Forces (SFS) Personnel will inform the AFMC Command Center who will notify 88 LRS/LGRDCF (257-2901/257-7998), 88 OSS/OSAM (257-4492), 788 CES/CEXFP (257-3033), and 88 ABW/SEW (904-0888) of the arrival. 88 SFS will admit trucks to WPAFB at their discretion, leaving seals intact, and escort trucks to secure holding area. 88 LRS/ LGRDCF will determine final destination and notify BDOC in a timely manner.

2.2.3. Outside normal duty hours (prior to 0730 and after 1600, weekends, and holidays), explosives/munitions laden vehicle drivers will arrive at Gate 26A and notify BDOC of arrival. Security Forces personnel will inform the AFMC Command Center who will notify 88 LRS/LGRDCF, 788 CES/CEXFP, and 88 ABW/SEW of the arrival. 88 SFS will admit trucks to WPAFB at their discretion leaving seals intact, and escort trucks to Stub 8A or Stub 8B if Stub 8A is occupied.

2.2.3.1. The primary holding area for all overnight Department of Energy shipments is Stub 8A. Stub 8B will only be used as a last resort and requires approval from Airfield Management as it is located within the airfield controlled area.

2.2.4. Primary Explosives Movement Routes for Area A.

2.2.4.1. Explosives/munitions-laden vehicles arriving at the primary entry point, Gate 26A, destined for Stub 8A and Stub 8B will proceed through primary Gate 26A, turn right on Skeel/Loop/Douglas Rd, to Mitchell Dr, to Riverview Rd, left onto Symmes Rd, left onto Marl Rd, left on Pylon Rd, through the airfield gate, right on Taxiway "B" to Stub 8A or Stub 8B. 88 SFS will escort vehicles onto Stub 8A or Stub 8B if Stub 8A is occupied. The alternate convoy route from Gate 26A. Proceed through Gate 26A, right on Skeel/Loop/Douglas Rd onto Mitchell Dr, to Riverview Rd, left toward Aircraft Battle Damage Repair (ABDR) Training Site (Bldg 34080) through airfield gate, right on Taxiway "A", across Runway "05L Approach End/Runway 23R Departure End" onto Taxiway "B" to Stub 8A. Escorting personnel must ensure radio contact with ATC Tower is established. This route will be used when the primary route is blocked or the shipment is in immediate danger from hostile groups. Convoys using alternate routes will be escorted by a qualified airfield driver. Escorts must establish and maintain radio contact with the ATC Tower.

2.2.4.1.1. At no time is the vehicle(s) authorized to drive on the runways, taxiways, and/or aircraft parking aprons without escort. Escort must possess a current AF Form 483, *Certificate of Competency*, and an AF Form 1199, *Air Force Entry Control Card (Accountable)(Used with Advanced Automated Entry Control Systems)*, with "AA" privileges. Personnel performing escort duties are responsible for ensuring a thorough rolling foreign object damage (FOD) check of all vehicles is completed IAW WPAFBI 13-213, *Airfield Driving*, prior to entering the airfield and before entering Taxiway Bravo, the East Ramp and/or any aircraft movement areas from the airfield entrance to Stubs 8A or 8B. Personnel will immediately contact Airfield Management Operations (AMOPS) in the event FOD is present on any aircraft movement area.

2.2.4.2. Explosives/munitions-laden vehicles arriving at the primary entry point, Gate 26A, destined for 88 OSS/OSG will proceed through Gate 26A, turn right on Skeel/Loop/Douglas Rd, to Mitchell Dr, to Riverview Rd, to Gate 57A.

2.2.5. Alternate Explosives Movement Routes for Area A. If primary/alternate routes for Gate 26A cannot be used the shipment will be directed to Gate 15A for use of alternate routes.

2.2.5.1. Explosives/munitions-laden vehicles arriving at the alternate entry point, Gate 15A, destined for Stub 8A and Stub 8B will proceed through Gate 15A, continue straight on Skeel Ave, turn left adjacent to the driving range, toward Taxiway "1," through the airfield gate to Stub 8A or Stub 8B. 88 SFS will escort vehicles onto Stub 8A or Stub 8B if Stub 8A is occupied. 88 LRS/LGRDCF personnel will validate the cargo destined to WPAFB and perform a vehicle inspection using DD Form 626, *Motor Vehicle Inspection (Transporting Hazardous Material)*, they will accept delivery.

2.2.5.2. Explosives/munitions-laden vehicles arriving at Gate 15A, destined for 88 OSS/OSG will proceed through Gate 15A on Skeel Ave, turn left on Hebble Creek Rd, right on Marl Rd, left on Symmes Rd, right on Riverview Rd to Gate 57A. 88 LRS/LGRDCF personnel will validate the cargo is destined for WPAFB and perform a vehicle inspection using AF Form 4388, *Inbound Transportation Protective Service Material Checklist*.

2.2.6. Explosives/munitions-laden vehicles (Class 1.4S only) can proceed directly to Building 30143, Freight Terminal from Gate 26A or Gate 15A using Loop Rd/Skeel Avenue during normal duty hours. Explosives/munitions-laden vehicles (Class 1.4S only) arriving after normal duty hours must follow procedures found in [paragraph 2.2.3](#) of this instruction.

2.2.7. Fire Department, Security Forces, Explosives Ordnance Disposal (EOD), and Wing Safety must be notified of any vehicle found or suspected to be in a hazardous condition. If it is more hazardous to move the vehicle, it will remain in place. In either case, initiate the appropriate emergency response. EOD teams are not considered shippers in commerce IAW 49 CFR and the Defense Transportation Regulation (DTR) during EOD operations. They are not required to manifest and are exempt from all associated forms, i.e., DD Form 626, *Motor Vehicle Inspection (Transporting Hazardous Material)* and DD Form 2890, *DOD Multimodal Dangerous Goods Declaration*.

2.2.8. Snow and Ice Control Plan. The primary explosives transportation route will be given priority 1 status and will be cleared as long as the Snow Control Center (257-7233) is given at least 2 hours prior notice of the arrival of munitions by either HQ AFMC Command Center or 88 LRS/LGRDCF (Transportation). The Snow Control Center will then contact BDOC so that airfield gates can be opened to allow plow drivers to clear designated route. Outside normal duty hours, HQ AFMC Command Center or 88 LRS/LGRDCF should contact the Snow Control Center at 257-3131 to request a driver and truck be activated.

2.2.9. Security.

- 2.2.9.1. Arms, Ammunition and Explosives (AA&E) shipments, transiting WPAFB while awaiting air flow, are in temporary storage. Security of temporary AA&E storage, less than 30 days, will be within a fenced area with sufficient lighting to allow detection of unauthorized activity. Storage locations containing CAT 1 through IV, as described in DODM 5100.76, shall be equipped with Intrusion Detection Equipment (IDE). The AA&E contractor shall arrange for constant manning/surveillance of AA&E storage area during non-duty areas when IDE is inoperative due to equipment failure and during emergency conditions. Constant surveillance can be conducted by the driver of the truck or a designated person of owning agency.
- 2.2.9.2. Security of shipments within the airfield fence (Stub 8B or Hot Cargo Pads 1-4) will be achieved using a combination of owner/user security, normal controlled area observation of the airfield by Tower, Maintenance, and other airfield personnel. Observation from 88 SFS and 88 OSS by airfield camera (when available) will also be utilized. Security of shipments on Stub 8A will be provided by the driver of the truck and periodic checks by 88 SFS (during non-duty hours, awaiting receipt by 88 LRS/LGRDCF personnel).
- 2.2.9.2.1. 88 SFS will provide to AMOPS a digital copy of the Bill of Lading prior to vehicle(s) entering the airfield. Document must be signed by an 88 SFS member E-5 or higher.
- 2.2.9.2.2. 88 SFS will coordinate with appropriate agency to ensure placement and illumination of light-all units around the vehicle(s) during hours of darkness.
- 2.2.9.3. Shipments shall be checked upon receipt by 88 LRS/LGRDCF to ensure seals are intact and for any signs of theft, tampering or damage. If there are such signs an immediate inventory shall be performed to determine the extent of theft/loss, tampering or damage. If seals are intact inventory quantity verification of Security Risk CAT I and II shipments shall be conducted within 24 hours upon receipt. Security Risk CAT III and IV shall be subject to inventory verification within 48 hours. The 88 LRS/LGRDCF has primary responsible for security upon accepting delivery.
- 2.2.9.4. At FPCON Bravo and higher, 88 LRS/LGRDC and 88 OSS/OSG will be asked by Security Forces to accept immediate delivery and security of the shipments.
- 2.2.10. 88 LRS/LGRDCF personnel must inspect all carrier equipment in accordance with AFI 24-602V before off-loading or on-loading any vehicle. 88 LRS/LGRDCF is responsible for reviewing, preparing, and furnishing all shipment documentation and DD Forms 626 for all outgoing shipments. 88 LRS/LGRDCF is also responsible for briefing the vehicle drivers and completing all safety blocking and bracing requirements. Any vehicle found to be in unsatisfactory condition will remain at area of inspection until the condition can be remedied.

2.3. Vehicle Marking and Safety Requirements.

2.3.1. All military or commercial vehicles transporting explosives on or off government property must be placarded as required by AFMAN 91-201 and Title 49 CFR, Part 172, *Transportation – Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, Training Requirements, and Security Plans*. Safety procedures relevant to placards, fire extinguishers and vehicle operations must be in strict compliance with AFMAN 91-201.

2.3.2. Personnel operating vehicles and equipment during the transport or handling of explosives must be trained and fully qualified in the operation of the type of vehicle or equipment being used.

2.3.3. When explosives are present at Hot Cargo Pads 1-4 or Stubs 8A or Stub 8B and lightning is within 10 miles of WPAFB, explosive operations must stop and personnel must be evacuated to a location at least 750 feet away from the explosive location(s). The intersection of Taxiway “B” and Taxiway “D” meet this minimum evacuation distance. Security Forces and Airfield Management personnel must also be aware of this requirement.

2.4. Off-Base Shipment.

2.4.1. Off-base surface shipments of munitions and explosives are processed according to AFI 24-602V2 and appropriate Department of Transportation and/or State regulations. Commercial vehicles are inspected prior to entering the Munitions Storage Area when loading or unloading the appropriate “class” of explosives. Inspections must be accomplished by 88 LRS/LGRDCDF personnel before and after loading or unloading and a DD Form 626, *Motor Vehicle Inspection (Transporting Hazardous Material)* must be completed. The DD Form 2890, *DoD Multimodal Dangerous Goods Declaration*, will be used to instruct drivers on the nature of their cargo, firefighting methods, and other specific precautions for the particular shipment.

2.4.2. The Traffic Management Office (88 LRS/LGRDCF) must retain copies of all regulations (Federal, DoD, State) applicable to the movement of explosives on or off the base. These regulations are available to other base organizations upon request.

2.5. Explosives Limits.

2.5.1. Day-to-day aircraft, explosives operations and parking will only be permitted at Hot Cargo Pads (HCP) 1 thru 4, Stub 8A, Stub 8B, Hotel Rows 1 through 4 and India Rows 1 and 2. West Ramp spots A1-A14 are sited for 1.2.2, 1.3 and 1.4.

2.5.2. Day-To-Day Explosives Limits.

2.5.2.1. HCPs 1 through 4. Day-to-Day explosives limits for Aircraft Explosives Cargo Parking Area, HCP 1 through 4 are: 30,000 pounds net explosive weight for quantity-distance (NEWQD) of Hazard Division (HD) (12) 1.1; 30,000 pounds NEWQD of HD 1.2.1 with no restriction on the maximum credible event (MCE); 30,000 pounds NEWQD of HD 1.2.2; 30,000 pounds NEWQD of HD (12) 1.2.3 with a largest single round NEWQD restriction of <450 pounds; 100,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4.

2.5.2.2. Stub 8A and Stub 8B. Day-to-Day explosives limits for Flightline Munitions Holding (Staging) Area or Suspect Vehicle Holding Area, Stub 8A and Stub 8B are the same as the HCP explosives limits identified in the previous paragraph.

2.5.2.3. Hotel 1 through 4. Day-to-day explosives limits for Hotel 1 are 5,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4 and Hotel 2 through Hotel 4 are 5,000 pounds NEWQD of HD 1.2.2.; 20,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4.

2.5.2.4. India 1 and India 2. Day-to-day explosives limits are capacity of HD 1.4.

2.5.2.5. Alpha 1 through 14. Day-to-day explosives limits for A1-A9 are 50,000 pounds NEWQD of HD 1.2.2.; 65,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4, A10 are 29,000 pounds NEWQD of HD 1.2.2.; 65,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4, A11-A12 are 16,000 pounds NEWQD of HD 1.2.2.; 65,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4, A13 are 19,000 pounds NEWQD of HD 1.2.2.; 65,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4, A14 are 30,000 pounds NEWQD of HD 1.2.2.; 65,000 pounds NEWQD of HD 1.3; and capacity of HD 1.4.

2.6. Safe Haven Procedures.

2.6.1. DoD Installation must accept explosive shipments for safe haven or secure hold regardless of arrival time or final destination. All explosives-laden carriers will be escorted to Stub 8A or Stub 8B for temporary storage. Procedures found in WPAFB *Integrated Defense Plan* must be followed.

THOMAS P. SHERMAN, Colonel, USAF
Commander

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

AFI 24-602V2, *Cargo Movement*, 12 June 2019

AFI 31-101, *Integrated Defense (FOUO)*, 5 July 2017

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

AFMAN 91-201, *Explosives Safety Standards*, 21 March 2017

AFPD 24-6, *Distribution and Traffic Management*, 23 March 2018

DTR 4500.9R, *Defense Traffic Management Regulation*, May 2014

DODM 5100.76, *Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives*, 17 April 2012

TITLE 49 CFR, Part 172, *Transportation – Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, Training Requirements and Security Plans*

WRIGHTPATTERSONAFBI13-213, *Airfield Driving*, 26 February 2016

Adopted Forms

AF Form 483, *Certificate of Competency*

AF Form 847, *Recommendation for Change of Publication*

AF Form 1199, *Air Force Entry Control Card (Accountable)(Used with Advanced Automated Entry Control Systems)*

AF Form 4388, *Inbound Transportation Protective Service Material Checklist*

DD Form 626, *Motor Vehicle Inspection (Transporting Hazardous Material)*

DD Form 2890, *DOD Multimodal Dangerous Goods Declaration*

Abbreviations and Acronyms

AA&E—Arms, Ammunition and Explosives

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFMC—Air Force Materiel Command

AFPD—Air Force Policy Directive

AMOPS—Airfield Management Operations

BDOC—Base Defense Operations Center

CAT—Category

CFR—Code of Federal Regulations

DoD—Department of Defense
DTR—Defense Transportation Regulation
EOD—Explosive Ordnance Disposal
FOUO—For Official Use Only
FPCON—Force Protection Condition
HCP—Hot Cargo Pad
HD—Hazard Division
IDE—Intrusion Detection Equipment
LRS—Logistics Readiness Squadron
MCE—Maximum Credible Event
NEWQD—Net Explosive Weight for Quantity-Distance
OPR—Office of Primary Responsibility
OSS—Operations Support Squadron
RDS—Records Disposition Schedule
SFCC—Security Forces Control Center
SFS—Security Forces Squadron
WPAFB—Wright-Patterson Air Force Base

Attachment 2

WPAFB AREA B EXPLOSIVES MOVEMENT ROUTES

Figure A2.1. WPAFB Area B Explosives Movement Routes.

