

**BY ORDER OF THE COMMANDER
HILL AIR FORCE BASE**

**HILL AIR FORCE BASE INSTRUCTION
91-201**



2 MARCH 2023

Safety

EXPLOSIVES SAFETY STANDARDS

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This instruction formally establishes and implements the Hill Air Force Base (HAFB) Instruction weapons safety program in accordance with (IAW) Department of Defense Explosive Safety Regulation (DESR) 6055.09_DAFMAN 91-201, *Explosives Safety Standards* and Air Force Instruction (AFI) 91-202, *The US Air Force Mishap Prevention Program*. This instruction applies to all units, including tenant units, assigned to Hill Air Force Base (HAFB), and tenant units (stationed or on temporary duty) at the Utah Test and Training Range (UTTR) and Little Mountain Test Complex, Utah. 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 Forms 847 from the field through the appropriate functional chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW Air Force Instruction (AFI) 33-322, *Records Management and Information Governance Program*, and disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

SUMMARY OF CHANGES

This document has been significantly changed and should be read in its entirety. Some major changes are: Updated program management information, Uniform Resource Locators (URLs) were updated, **paragraph 9** had a major change along with some responsibilities better defined, new major changes to **paragraph 10**, Hazards of Electromagnetic Radiation to Ordnance (HERO)

section addressing new requirements, **paragraph 11** was completely rewritten, **paragraph 12** was added to provide guidance for hunting on base and Dull Sword procedures were updated, title change from Air Force Manual (AFMAN) 91-201 to DESR 6055.09, and 1.4 placarding on the installation. Additionally, other minor changes have been made throughout Hill Air Force Base Instruction (HAFBI) 6055.09_AFMAN 91-201.

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1. Explosives Safety Program Management.

1.1. Ventilators on Earth Covered Magazines (ECM) remain in the closed position regardless of serviceability; ECMs without closable ventilators are exempt from this requirement. Ventilators need not be maintained in a serviceable condition due to the extremely diverse weather conditions at Hill AFB

<https://usaf.dps.mil/sites/75ABWSafety/SEW/Cool%20stuff/Forms/AllItems.aspx?id=%2Fsites%2F75ABWSafety%2FSEW%2FCool%20stuff%2FIgloo%20Depth%20Checks%2FFW%5F%20ECM%20Flappers%20%28UNCLASSIFIED%29%2Epdf&viewpath=%2Fsites%2F75ABWSafety%2FSEW%2FCool%20stuff%2FForms%2FAllItems%2Easpx&parent=%2Fsites%2F75ABWSafety%2FSEW%2FCool%20stuff%2FIgloo%20Depth%20Checks>.

1.2. Prior to conducting any new munitions process all organizations on Hill AFB, Oasis Annex to include the UTTR and Little Mountain Test Facility (to include tenant units), must notify the installation Weapons Safety Office (SEW), 75 ABW/SEW, at 777-7185. This includes development, test, or manufacture of any equipment or fixtures directly interfacing with a munitions or explosive devices. AFSC Systems Safety will determine if a safety analysis is required and what military standards are appropriate. Submit completed safety analysis to 75 ABW/SE for review and coordination.

1.3. Functioned or fired ordnance retain the original hazard classification until certified empty IAW Technical Order (T.O.) 11A-1-60, *General Instructions for Inspection of Reusable Munitions Containers and Scrap Material Generated from Items Exposed to, or Containing Explosives*.

1.4. Each group, tenant, or staff agency offering munitions and explosives scrap residue to DoD Recycling Centers, are responsible for the inspection and certification as mandated by T.O. 11A-1-60.

1.4.1. 75 CEG munitions residue deforming operations will conform to DESR 6055.09_AFMAN 90-201 requirements.

1.5. Fire drill documentation will be maintained at the Consolidated Munitions Control Center (CMCC) for Munitions Storage Area MSA I, MSA II, Oasis fire department for MSA III and Little Mountain fire department for the Little Mountain Test Facility. Documentation must be maintained IAW DESR6055.09_AFMAN 91-201_AFMCSUP V1.E10.6.6.1.

1.6. Hill AFB Fire Department (75 ABW/CEF) prohibited the use of gas or charcoal barbecue grills and smokers within all MSAs, within 50 feet of licensed explosives storage locations, and sited operating locations outside MSA III at Oasis Annex.

1.7. Vegetation control in the MSA is maintained to the semi-improved requirements. Semi-improved grounds are defined as vegetation maintained between 4" - 10" per AFMAN 31-101V1, *Integrated Defense (ID) Planning*. Additional guidance or information may be requested from the 75 Civil Engineering Group, Grounds Maintenance Section.

1.8. Units possessing their own weapons safety office will conduct annual reviews of their explosives facility licenses and will send review documentation to 75 ABW/SEW.

1.9. The 75 ABW/SEW is the OPR for all explosives site planning on Hill AFB, Oasis Annex, Little Mountain and the Wendover Drone Complex. Organizations requesting site planning actions must route requests through 75 ABW/SEW. The 388/419 FWs will generate their respective site plans, gain HQ ACC/SEW concurrence, and will be staffed by 75 ABW/SEW for AFSEC/SEW and DDESB approval. Additionally, all exception requests will be routed through 75 ABW/SEW. The requesting organization provides 75 ABW/SEW with all necessary information to include: justification statement (include compelling reasons), period of time the exception along with proposed corrective actions.

1.10. A pre-task safety briefing will be conducted prior to commencing any explosives operation (Example @ [Attachment 2](#)). The pre-task safety briefing must be documented and present at the explosives operation site. **NOTE:** Within the same building is not acceptable; pre-task safety briefings must be accomplished at the actual location of the explosives operation). Other forms of a pre-task briefing may be used but must meet the requirements of DESR 6055.09_DAFMAN 91-201 V1.E6.12. The pre-task safety briefing must be approved by the unit's Weapons Safety Manager (WSM).

1.11. Unit Additional Duty Weapons Safety Representatives (ADWSRs) will perform a minimum of one spot inspection per month in their respective areas unless the respective squadron commander has required additional inspections. Spot inspections conducted over a 12-month period must cover the full spectrum of their assigned operations. 75 ABW ADWSRs will use the 75 ABW Weapons Safety SharePoint page to document monthly spot inspections (OO-ALC will use the MX1 system). Units including tenant units with assigned weapons safety managers are required to maintain inspections as the official record for the office IAW AFI 33-322, *Records Management and Information Governance Program* & the Hill Installation Records Management Plan. <https://usaf.dps.mil/sites/75ABWSafety/Ground%20Safety/Lists/USR%20Spot%20Inspections/NewForm.aspx>.

1.12. The battery in E-cigarettes and vaping devices poses a direct fire/electrical threat to personnel and munitions operations. The Installation Fire Chief has determined that E-cigarettes and vaping devices are prohibited in MSAs I, II, and III. For licensed explosives storage locations, E-cigarettes and vaping devices will not be taken into the area where munitions are stored or where maintenance on munitions is accomplished. In addition, E-cigarettes and vaping devices will not be on the individual or in the transport vehicle while transporting munitions inside or outside of the MSAs.

2. Fire Symbol Procedures.

2.1. Areas reporting fire symbol status for their explosives location or structures will use FSTS <https://geobase.hill.af.mil/fsts/fsts.htm> . FSTS is used as the means of notifying the Emergency Communication Center each time firefighting symbols are changed. This meets the requirements of DESR 6055.09_DAFMAN 91-201 V1.E10.3.2.3.4. for procedures to notify the ECC each time firefighting symbols change.

2.2. Supervisors must ensure there are enough trained personnel with the capability to change fire and chemical symbols and Net Explosive Weight (NEW) information in FSTS. Access to FSTS can be obtained by contacting the 75 ABW/SEW or the CMCC.

2.3. Fire symbol reporting includes the highest fire and chemical symbol(s), the current amount of NEW in the affected building, compatibility group(s), Critical Item Identification Code (CIIC), risk category, type of building, owning organization and building number. FSTS is updated each time the fire/chemical symbol(s) or NEW changes.

2.4. The following procedures will be followed for Hot Pad fire symbol posting during live loads, 649 MUNS Standard Air Munitions Packages (STAMP), LRS, and Weapons System Evaluation Program (WSEP) events, exercises or real-world requirements involving live munitions.

2.4.1. The responsible unit will ensure FSTS updates are completed in a timely manner for any munitions movements within the 388 FW owned Munitions Storage Area. The 388 FW Munitions Control will accomplish FSTS updates for all movement of munitions to and from the MSA (i.e., any munitions being taken to the flight line and any munitions being picked up from any area headed back to the MSA).

2.4.2. The 388 Maintenance Operations Center (MOC) will ensure FSTS is updated for all uploads and downloads from either aircraft or trailer. Additionally, 388 MOC will update FSTS for all other fire symbol changes that take place outside of the MSA. Weapons Expeditors will update 388 MOC with all changes that pertain to Aircraft Hot Pads, explosive condition of aircraft or Net Explosive Weight (NEW) changes for all downloads or uploads. This includes all movements from aircraft to trailer and when aircraft depart or return from flight.

2.4.3. All licensed explosives storage locations have trained/authorized FSTS monitors and will update their own FSTS for any NEW or chemical symbol changes. Personnel with oversight of a licensed location will contact the 75 ABW/SEW for access to FSTS. This responsibility will fall to 388 MOC only when all Egress personnel who are authorized are unavailable.

2.4.4. The 75 ABW & 388 FW Weapons Safety Managers will perform spot inspections in areas with live munitions to verify compliance with explosives placarding and safety standards.

2.4.5. Units TDY to Hill AFB are responsible for ensuring FSTS is updated.

2.4.6. Organizations within the MSA must contact the CMCC to make changes in FSTS. The OASIS MSA III organizations will contact the OASIS Emergency Control Center (777-1555). Organizations without a representative in the CMCC may change FSTS without contacting CMCC (i.e., licensed explosive storage locations, Air Force Test Center, and UTTR.). However, contact with the CMCC is highly encouraged.

2.5. The 75 ABW Fire Chief has determined that magnetic, Dura-lite and E-panel material may be used as a suitable non-combustible backing for fire/chemical symbols. Contact the 75 ABW/SEW with any questions regarding fire/chemical symbols.

2.6. The 75 ABW Fire Chief determined posting of fire symbols on the exterior of licensed explosives buildings is not required at Hill AFB. Exception: rooms with exterior doors leading directly into Explosives Storage areas must post fire symbols on the outside of doors.

3. Munitions Transportation.

3.1. Munitions movements at Oasis Annex are considered on the range therefore no explosives routes are, or will be, established within the Oasis compound. However, all explosives movements must avoid the built up/populated areas as much as possible. For munitions movements, Explosive Ordnance Disposal (EOD) will use the East MSA gate if solely conducting Thermal Treatment Unit (TTU) operations. When conducting other operations requiring turn-in of keys, EOD will temporarily stop in a location that presents the least exposure to the built up/populated area, and only for the required time it takes to sign in or out keys from building 40020.

3.2. The explosives routes for Hill AFB can be located using GeoBase (<https://geobase.hill.af.mil/viewer/>). The routes can also be obtained by contacting the CMCC or the 75 ABW Weapons Safety office. All Hazard Divisions (HD) of explosives are prohibited from using Gate 112, adjacent to the CMCC, including the pick-up and delivery of munitions to licensed explosives storage locations.

4. Risk Assessments.

4.1. Explosives risk assessments affecting criteria of DESR 6055.09_DAFMAN 91-201, other than Quantity-Distance exceptions, must be coordinated through the 75 ABW/SEW. Written and documented risk assessments are conducted when the risk cannot be mitigated and regulatory compliance cannot be met. Explosives risk assessments must be approved/signed by the appropriate risk acceptance authority.

4.2. Hot Works permit, when filled out, fulfills the requirement of a risk assessment. The Hot Work permit must be signed by the fire department, the weapons safety office, and the risk must be classified as LOW. Routine facility maintenance, not involving a Hot Work permit, does not require a written risk assessment. Hot work permits are obtained by contacting the fire department and 75 ABW Weapons Safety office.

5. Training.

5.1. The 75 ABW/SEW and OO-ALC/SEW provides *Explosives Safety Awareness* training (course# MHPSAF9801105BR or equivalent) for all AF employees or contractors whose duties require them temporary unescorted access to the MSA or Airfield. This course is conducted every Monday at 1430 hrs. in building 180, room 226. If a holiday falls on Monday, the course will be held on Tuesday at the same time and location. *Exception: Personnel permanently assigned to these areas who complete their unit's explosives safety training are not required to attend this class prior to obtaining a line badge.*

6. Weapons Safety Interchange Meeting.

6.1. The Installation Chief of Weapons Safety chairs and conducts the Hill AFB Weapons Safety Interchange meeting. The meeting will be scheduled and held in building 180, room 226.

6.2. HAFB WSMs are permanent members of the Weapons Safety Interchange Group and must attend Weapons Safety Interchange meetings. Non-attendance is considered non-support of the installation weapons safety program and is documented in the unit annual weapons safety report; unless the absence has been previously reported and approved by 75 ABW/SEW.

7. Unit Continuity Information.

7.1. 75 ABW assigned units, with an explosives mission, will maintain continuity information in their offices' SharePoint site (i.e., lesson plans, training, etc.). Tenant units will develop a process to maintain their continuity information. Do not post classified or sensitive information in the SharePoint folders. Use the following URL to access the 75 ABWSEW SharePoint page: <https://usaf.dps.mil/sites/75ABWSafety/SEW/SitePages/Home.aspx>.

7.2. Contact 75 ABW/SEW for training or questions on the upkeep of SharePoint files.

8. Mutual Support Requirements between the 75 ABW/SEW and OO-ALC/SEW, 388/419 FW/SEW, AFLCMC/SEW, AFNWC, AFTC.

8.1. OO-ALC/SEW, 388/419 FW/SEW, AFLCMC/SEW, AFNWC and AFTC will:

8.1.1. Conduct and document annual weapons safety inspections and assessments of their assigned units and facilities. A formal report is prepared each year and a courtesy copy is provided to 75 ABW/SEW. Share the documents by placing the inspection/assessment report in the SharePoint folder is the preferred method of information transfer. <https://usaf.dps.mil/sites/75ABWSafety/SEW/SitePages/Home.aspx>.

8.1.2. Conduct safety investigations on mishaps occurring within their organization. Notify 75 ABW/SEW when assistance is required.

8.1.3. Advise 75 ABW/SEW if such matters impact installation safety.

8.1.4. Assist and coordinate on explosives risk assessments for their respective organizations. Coordinate risk assessments with 75 ABW/SEW.

8.1.5. Annually provide 75 ABW/SEW with unit HERO ordnance and Modern Mobile Emitter (MME) listings. The MME listing must include all devices used anywhere explosives are present. Additionally, any changes to either the ordnance or MME listing must be provided to 75 ABW/SEW immediately upon discovery.

8.1.6. Assist 75 ABW/SEW with the yearly review of exceptions regarding, or involving, their organization.

8.2. The 75 ABW/SEW will:

8.2.1. Maintain the installation siting database.

8.2.2. Work closely with units and the Explosives Clear Zone committee on siting issues related to munitions structures and proposed construction assigned to their organization.

8.2.3. Attend the Work Order Review Board (WORB), Facilities Working Group (FWG), Facility Planning Committee (FPC), the Facilities Board (FB) meetings and will invite specific organizational WSMs as required.

8.2.3.1. Advise tenant WSMs of any items concerning munitions structures addressed during the WORB, FWG, FPC, or FB.

8.2.4. Assign Explosives Facility license numbers and sign as the approving official on Explosives Facility licenses.

8.2.5. Review explosives safety exceptions and coordinate with the respective WSMs.

9. Nuclear Surety Program Management.

9.1. The 75 MDG/CC will:

9.1.1. Utilize the 75 ABW/SEW SharePoint for accessing unit nuclear surety program information and documents

<https://usaf.dps.mil/sites/75ABWSafety/SEW/Nuclear%20Weapons%20Surety%20Program/Forms/AllItems.aspx>.

9.1.2. Appoint primary and alternate PRP monitors for the Nuclear Surety Program.

9.1.2.1. Provide PRP monitor for Nuclear Surety appointment letter to 75 ABW/SEW.

9.1.2.2. PRP monitors must be trained by 75 ABW/SEW within 90 days of appointment.

9.1.3. Provide updates for the Team Hill Nuclear Review to 75 ABW/SEW no later than 30 days prior to the meeting date.

9.2. The 75 LRS/CC will:

9.2.1. Utilize the 75 ABW/SEW SharePoint for accessing unit nuclear surety program information and documents

<https://usaf.dps.mil/sites/75ABWSafety/SEW/Nuclear%20Weapons%20Surety%20Program/Forms/AllItems.aspx>.

9.2.2. Ensure the Nuclear Certified Equipment (NCE) program is managed IAW AFI 63-125, *Nuclear Certification Program*.

9.2.2.1. 75 LRS is the central focal point for the 75 ABW NCE Program.

9.2.3. Ensure Host-Tenant Support Agreements and Memorandum of Understandings and Agreements for units with Nuclear Surety program requirements are current and coordinated with 75 ABW/SEW.

9.2.4. Provide updates for the Team Hill Nuclear Review to 75 ABW/SEW no later than 30 days prior to the meeting date.

9.3. The 75 FSS/CC (or civilian equivalent) will:

9.3.1. Utilize the 75 ABW/SEW SharePoint for accessing unit nuclear surety program information and information

<https://usaf.dps.mil/sites/75ABWSafety/SEW/Nuclear%20Weapons%20Surety%20Program/Forms/AllItems.aspx>.

9.3.2. Appoint primary and alternate installation PRAP monitors for Nuclear Surety.

9.3.2.1. Provide appointment letters to 75 ABW/SEW.

9.3.2.2. Ensure PRAP monitors for Nuclear Surety are trained by 75 ABW/SEW within 60 days of appointment.

9.3.3. Provide updates for the Team Hill Nuclear Review to 75 ABW/SEW no later than 30 days prior to the meeting date.

9.4. 75 ABW/SEW will:

9.4.1. Act as the focal point for the installation nuclear surety program. Utilize the 75 ABW/SEW SharePoint as the preferred mode for accessing reference information and nuclear surety communications <https://usaf.dps.mil/sites/75ABWSafety/SEW/Nuclear%20Weapons%20Surety%20Program/Forms/AllItems.aspx>.

9.4.2. Maintain installation surveillance over all matters relating to the Nuclear Surety Program and implements the required elements of DAFI 91-101, *Air Force Nuclear Weapons Surety Program*.

9.4.3. Initially approve, annually review and track locally developed publications, checklists, plans, and other documents impacting the Nuclear Surety mission.

9.4.4. Advise Wing Commanders, senior staff, and supervisors on Nuclear Surety related issues and program changes as needed.

9.4.5. Manage the Installation Dull Sword reporting process IAW AFI 91-204, Safety Investigations and Reports and AFMAN 91-221, *Weapons Safety Investigations and Reports*.

9.4.6. Ensure Host-Tenant Support Agreements/Memorandum of Understanding Agreements, for units with Nuclear Surety program requirements, include the required elements for mission support and delineate program responsibilities.

9.4.7. Work with commanders, staff, supervisors, and support personnel to ensure PRAP is properly administered.

9.5. OO-ALC/CC, or CV, will:

9.5.1. Serve as the certifying official for 309 MMXG personnel on PRP.

9.6. OO-ALC/SEW will:

9.6.1. Manage the OO-ALC Nuclear Surety program IAW DAFI 91-101.

9.6.2. Perform required nuclear surety inspections (annual and spot).

9.6.3. Coordinate with 75 ABW/SEW to ensure PRP is administered correctly.

9.6.4. Attend the Team Hill AFB Nuclear Review.

9.6.5. Provide updates for the Team Hill Nuclear Review to 75 ABW/SEW no later than 30 days prior to the meeting date.

9.6.6. Conduct required Dull Sword investigations and reporting as mandated by AFMAN 91-221.

9.7. AFNWC/NME will:

9.7.1. Manage the AFNWC/NME Nuclear Surety program IAW DAFI 91-101.

9.7.2. Perform required nuclear surety inspections (annual and spot).

9.7.3. Coordinate with 75 ABW/SEW to ensure PRP is administered correctly.

9.7.4. Attend the Team Hill AFB Nuclear Review.

- 9.7.4.1. Provide updates for the Team Hill Nuclear Review to 75 ABW/SEW no later than 30 days prior to the meeting date.
- 9.8. Dull Sword Reporting Procedures.
- 9.8.1. Hill AFB WSMs must have an Air Force Safety Automated System (AFSAS) account to submit required Dull Sword.
- 9.8.2. When incoming Dull Sword e-mails are received via AFSAS, the organizational WSM will coordinate and distribute within their unit.
- 9.8.3. To initiate a Dull Sword, units will contact organizational WSMs to assist in determining if the discrepancy or deficiency is Dull Sword reportable. Information for preparing Dull Sword reports can be obtained from the 75 ABW/SEW SharePoint page <https://usaf.dps.mil/sites/75ABWSafety/SEW/Lists/Dull%20Sword%202/NewForm.aspx?Source=https%3A%2F%2Fusaf%2Edps%2Emil%2Fsites%2F75ABWSafety%2FSEW%2FLists%2FDull%2520Sword%25202%2FAllItems%2Easpx&ContentTypeId=0x0103002AAD5BECD68ACC4B87397B0CCEF92BFF&RootFolder=%2Fsites%2F75ABWSafety%2FSEW%2FLists%2FDull%20Sword%202.>
- 9.9. Unit Safety Representatives (USRs) for Nuclear Surety will:
- 9.9.1. Perform Nuclear Surety spot inspections and emphasize Nuclear Surety culture. Use the 75 ABW/SEW SharePoint as the preferred mode for accessing nuclear surety program information. <https://usaf.dps.mil/sites/75ABWSafety/SEW/Nuclear%20Weapons%20Surety%20Program/Forms/AllItems.aspx>.
- 9.9.2. Coordinate with 75 ABW/SEW on matters concerning Nuclear Surety.
- 9.9.3. Evaluate corrective actions for Nuclear Surety findings and deficiencies found during inspections, evaluations, and assistance visits.
- 9.9.4. Newly appointed Nuclear Surety ADWSRs/USRs should contact their organization's Weapons Safety Office for training. Training will be completed within 30 working days of appointment. Newly appointed NCE Monitors should contact their organization's Central NCE Monitor for training requirements. Training should be completed within 90 days of appointment.
- 9.9.5. Assist the 75 ABW/SEW with verifying squadron's PRP compliance.
- 9.9.6. Use Nuclear Surety cross-feed reports for unit mishap prevention.
- 9.9.7. Ensure unit developed checklists, instructions, operating procedures, and plans impacting Nuclear Surety are coordinated through 75 ABW/SEW.
- 9.9.8. Ensure initial and recurring training is documented for unit individuals.
- 9.10. Units not identified above but who support the Nuclear Surety Mission will:
- 9.10.1. Use the SharePoint as the preferred mode for accessing nuclear surety program information and documents <https://usaf.dps.mil/sites/75ABWSafety/SEW/Nuclear%20Weapons%20Surety%20Program/Forms/AllItems.aspx>

9.10.2. Coordinate locally developed publications, checklists, plans, and other documents impacting the Nuclear Surety mission with 75 ABW/SEW. Examples:

9.10.2.1. Base Support Plan

9.10.2.2. Master Aircraft Parking Plan

9.10.2.3. Integrated Defense Plan

9.10.2.4. Quick Reaction Checklists such as PNAF diverts, Safe Havens, and National Defense Areas.

9.10.3. Ensure 75 ABW/SEW is a notification agency on locally developed publications, checklists, plans, and other documents impacting the Nuclear Surety mission.

10. Units Hosting Incoming Organizations Requiring Munitions Support Will:

10.1. Coordinate munitions support with the 75 ABW/SEW, 75 ABW/XP, and the sponsoring unit. Deploying units will not ship munitions to Hill AFB until storage and handling capabilities are confirmed. Munitions support requests are coordinated through sponsoring unit (SEW & MUNS) and the 75 ABW/SEW prior to approval.

10.2. Advise deploying munitions specialists of special issue and receipt handling requirements; identify points of contact to resolve any problems.

10.3. Coordinate new Explosives Aircraft parking plans through the 75 ABW/SEW and 75 OSS/OSAA to ensure aircraft parking complies with approved explosive safety site plans.

10.4. Ensure incoming units utilize Hill AFB hung ordnance procedures IAW HAFBI 13-204.

10.5. Ensure deploying units utilize installation and/or sponsoring unit operating instructions for explosives operations.

10.6. Prepare a familiarization briefing covering safety requirements unique to Hill AFB and route to the 75 ABW/SEW for review.

11. Hazards of Electromagnetic Radiation to Ordnance.

11.1. The 75 ABW/SEW provides the HERO survey package to installation munitions customers, EOD, CMCC and the Fire Department by publishing the package on the 75 ABW/SEW SharePoint site. ADWSRs will ensure assigned personnel are aware of the HERO survey package and its contents <https://usaf.dps.mil/sites/75ABWSafety/SEW/HERO%20Package%20Attachment%204%2091208/Forms/AllItems.aspx?viewpath=%2Fsites%2F75ABWSafety%2FSEW%2FHERO%20Package%20Attachment%204%2091208%2FForms%2FAllItems.aspx>.

11.2. If Electrically Initiated Devices (EIDs) are stored at a licensed explosives storage location, ensure HERO and personnel handling/grounding requirements are met, included in the written local operating instruction and explosives safety lesson plans. See DESR 6055.09_DAFMAN 91-201 V2.E3.7.

12. Hunting within the ECZ.

12.1. Hunting on base is only permitted outside Public Transportation Route distances of all MSA and flightline explosives locations as outlined in DESR 6055.09_DAFMAN 91-201 V1.E6.26.

12.2. Use this URL for additional information on PTR distances, authorized hunting areas on Hill AFB, and the application process (<https://hillafb.isportsman.net/Deer%20Hunt.aspx>).

JEFFREY G. HOLLAND, Colonel, USAF
Commander, 75th Air Base Wing

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

AFI 33-322, *Records Management and Information Governance Program*, 23 March 2020

AFI 63-125, *Nuclear Certification Program*, 15 January 2020

DESR6055.09_AFMAN91-201_AFMCSUP_AFMCGM2022-01, 23 March 20022

AFI 91-202, *The US Air Force Mishap Prevention Program*, 11 March 2020

DAFI 91-204, *Safety Investigations and Reports*, 09 March 2021

AFI 91-208, *Hazards of Electromagnetic Radiation to Ordnance (HERO) Certification and Management*, 23 October 2019

AFMAN 91-221, *Weapons Safety Investigations and Reports*, 25 March 2020

AFMAN 31-101v1, *Integrated Defense (ID)*, 11 March 2020

DAFI 91-101, *Air Force Nuclear Weapons Surety Program*, 25 March 2020

DESR 6055.09_DAFMAN 91-201, *Explosives Safety Standards*, 27 May 2020

DoD 5210.42.R_AFMAN 13-501, *Nuclear Weapons Personnel Reliability Program (PRP)*, 18 September 2018

HAFBI 13-204, *Airfield Operations*, 17 September 2015

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

AF Form 2047, *Explosives Facility License*

Abbreviations and Acronyms

ABW—Air Base Wing

ADWSR—Additional Duty Weapons Safety Representative

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFRIMS—Air Force Records Information Management System

AFSAS—Air Force Safety Automated System

CBT—Computer Based Training

CMCC—Consolidated Munitions Control Center

DESR—Department of Defense Explosive Safety Regulation

DRMO—Defense Reutilization and Marketing Office

ECM—Earth Covered Magazines

ECZ—Explosive Clear Zone
EED—Electro-Explosive Devices
EOD—Explosive Ordnance Disposal
EID—Electrically Initiated Device
EMR—Electromagnetic Radiation
ESS—Explosives Safety Siting
FB—Facilities Board
FPC—Facility Planning Committee
FSTS—Fire Symbol Tracking System
FWG—Facilities Working Group
HAFB—Hill Air Force Base
HAFBI—Hill Air Force Base Instruction
HD—Hazard Division
HERO—Hazards of Electromagnetic Radiation to Ordnance
HHQ—Higher Headquarters
IAW—In Accordance With
MASO—Munitions Accountable Systems Officer
MNCL—Master Nuclear Certified Equipment Listing
MME—Modern Mobile Emitter
MOC—Maintenance Operations and Control
MSA—Munitions Storage Area
MX1—Maintenance One
NCE—Nuclear Certified Equipment
NEW—Net Explosive Weight
PNAF—Primary Nuclear Air Force
PRAP—Personnel Reliability Assurance Program
PRP—Personnel Reliability Program
SEW—Weapons Safety
SSPO—Systems Safety Project Officer
STAMP—Standard Air Munitions Packages
TO—Technical Order
TTU—Thermal Treatment Unit

MSA—Munitions Storage Areas

RDS—Records Disposition Schedule

OPR—Office of Primary Responsibility

UTTR—Utah Test and Training Range

URL—Uniform Resource Locator

WORB—Work Order Review Board

WSEP—Weapons System Evaluation Program

WSM—Weapons Safety Manager

Office Symbols

AFNWC/NME—Air Force Nuclear Weapons Center)

AFTC—Air Force Test Center)

DLA—(Defense Logistics Agency)

AFLCMC—Life Cycle Management Center)

75 LRS—Logistics Readiness Squadron)

OO-ALC—Ogden Air Logistics Complex)

309MMXG—Missile Maintenance Group)

388FW—Fighter Wing)

388MOC—Maintenance Operations Center)

649MUNS—Munitions Squadron)

75ABW—EF (Fire Department)

75ABW/SE—Wing Safety Office)

75ABW/SEW—Weapons Safety Office)

86FWS—Weapons System Evaluation Program)

Attachment 2**MUNITIONS PRE-TASK SAFETY BRIEFING****Table A2.1. Munitions Pre-Task Safety Briefing Pre-Task Checklist.****1. Pre-Task Checklist.**

1.1. The following items will be reviewed by crew chiefs prior to starting their operation and initialed as completed.

_____ 1.1.1. At the start of an explosives operation, notify Munitions Control of the operation to be performed, crew chief name, number of personnel, location, N.E.W., CIIC, and fire symbol/hazard class division present/posted. Ensure fire/hazard symbols are posted/removed and notify Munitions Control as changes occur. Ensure vehicles not involved in the operation are not parked closer than 100 feet from the operating location.

_____ 1.1.2. Gather crew names and check TBA to see if individuals are signed off or are opened up on tasks. If not, start them on the task.

_____ 1.1.3. Check for current Explosive Safety dates of everyone on crew.

_____ 1.1.5. For in use AGE equipment, ensure it is positioned at least 25 feet from explosive operations. For AGE equipment not in use, position it at least 100 feet from explosive operations.

_____ 1.1.6. Ensure all personnel are familiar with applicable Safety and Data Sheets (SDS) and any other safety requirements (including technical order requirements).

_____ 1.1.7. Inspect/Ensure a minimum of two serviceable 2A:10BC or higher rated fire extinguishers are available for immediate use.

_____ 1.1.8. Verify compatibility of munitions and NEW limits do not exceed posted explosive limits at the destination before delivering or storing munitions.

_____ 1.1.9. Ensure all personnel are briefed on requirements concerning handling and grounding requirements for electro-explosive devices (EED) and verify inspections and tests are current on the grounding systems being used IAW with item T.O.'s/owner's manuals.

_____ 1.1.10. Brief all applicable Warnings, Cautions, and Notes from item technical order(s).

_____ 1.1.11. In the event of an abnormal situation not covered by technical data procedures, contact Munitions Control, Flight, or Squadron supervision for guidance before continuing the operation.

2. Responsibility.

2.1. The crew chief(s) will assign emergency action responsibilities in accordance with this instruction and provide a safety briefing to all crew members and casuals prior to the start of each explosives operation.

2.2. Crew chiefs will ensure crew members, casuals, and visitors understand their assigned tasks within this crew briefing.

2.3. Casuals are persons not normally part of an explosives operation but have duties that require their presence, such as munitions supervision, quality assurance, safety, or inspection personnel. Casuals will observe only and will not handle munitions items.

2.4. Visitors are non-essential personnel with limited access. Visitors will be briefed upon arrival and operations will stop until they depart. Visitors will not handle munitions items.

2.5. Crew chiefs are required to brief casuals and visitors all items that are identified with an asterisk (*) upon arrival.

3. Pre-Task Briefing.

WARNING

*** Modern Mobile Emitters (MMEs) such as personal cellular phones, pagers and tablets pose an ElectroMagnetic Radiation (EMR) hazard to Electrically Initiated Devices (EIDs). These personal electronic devices will not be used, or carried, during any munitions movement or operation without written approval. Furthermore, some official use MMEs automatically emit EMR without operation, therefore are not authorized within a Safe Separation Distance (SSD) of 10 feet of EIDs without AFSEC/SEW approval. Remote keyless entry devices (also known as ‘key FOBs’) that are not Title 47 CFR, Part 15 compliant, or not properly labeled, must maintain a SSD of 10 feet. Those that are compliant are only restricted from coming into physical contact with ordnance, regardless of certification. Crew chiefs will ensure compliance with this warning.**

*3.1. Crew Chief of operation (Rank/Name): _____

3.2. Operation location and nearest phone/radio: _____/_____

3.2.1. Explosives limits of operation location: _____

*3.3. Operation to be performed: _____

*3.4. Munitions involved: _____

3.5. Item Technical Order(s) (T.O.): _____

3.6. Personal Protective Equipment (PPE) and specific item safety/equipment: _____

*3.7. Hazard/Class/Division/Compatibility Group/Chemical Symbol(s)/N.E.W.

3.7.1. Involved in the operation: _____

3.7.2. Highest present in the building/location: _____

*3.8. Principal explosives hazards associated with this operation: _____

3.9. Special handling requirements: _____

3.10. Drop distances: Item: _____ Packaged: _____ Unpackaged: _____

3.11. Site personnel limits: (posted at each munitions facility).

Location	Supervisors	Workers	Casuals
_____	_____	_____	_____

3.12. Number of personnel involved in the operation:

Supervisors: _____ Workers: _____ Casuals: _____

3.13. At this time remove all rings, watches, jewelry and ensure only safety-toed boots are worn. Line badges in a neck lanyard may only be worn if they have a breakaway connection (wear is also at the discretion of supervision and the crew chief).

*3.14. Casuals/Visitors are present as observers only and will not handle munitions items.

*3.15. As required, personnel will ground themselves upon entry and periodically afterwards.

4. Emergency Actions.

4.1. In case of emergency, immediately notify Munitions Control by the most expedient method available (radio, telephone _____ or runner). Munitions Control 777-7715 (649 MUNS) or 775-4331 (388 FW).

4.2. In the event munitions are dropped or involved in a fire, all operations in the immediate vicinity will be stopped and personnel will evacuate to appropriate initial withdrawal distances. Munitions Control will determine subsequent withdrawal distances and locations as necessary. After evaluation of the situation, the on-scene commander may adjust the withdrawal distance for non-essential personnel.

*Initial Withdrawal Distance: For assets involved in fire: _____ ft.

*K105 Withdrawal Distance: For assets involved in fire: _____ ft. if applicable.

For assets NOT involved in fire: ___300_____ ft.

*Initial Withdrawal Location: For assets involved in fire: _____ ft.

For assets NOT involved in fire: _____ ft.

NOTE

Upon arrival at the evacuation assembly point, the highest ranking individual will act as the On-scene Commander (until relieved by appropriate authorities) and will establish personnel accountability and provide that information to Munitions Control by radio, phone or runner. Additionally, Munitions Control will be immediately informed of changes to personnel present at the evacuation point as they occur, to include the names of individuals left at the scene for escort or fire-fighting reasons.

*4.3. In case of fire, the following actions will be taken by the individuals identified below:

*4.3.1. _____ will activate fire alarm, if available, and evacuate all nonessential personnel and account for them at the evacuation assembly point.

4.3.2. _____ will notify Munitions Control by any means possible and give type of emergency, location, item fire symbol, etc.

4.3.3. _____ will proceed to the Entry Control Point with this book, unless a greater evacuation distance is required due to type hazard/class of munitions involved and direct responding agencies (fire dept., hospital, etc.) to the emergency site.

4.3.4. _____ and _____ will immediately attempt to fight all fires starting in the vicinity of ammunition or explosives with all available means to prevent the spreading of fire and munitions involvement. If fire engulfs munitions, supplies direct heat, or is too large to fight with equipment on hand, personnel involved shall evacuate and seek safety based on the below guidance extracted from DESR 6055.09_AFMAN 91-201, Table V1.E10.T7.1:

Fire symbol 1 – Do not fight fire unless rescue attempt is planned.

Fire symbol 2 – Give alarm; attempt to extinguish fire if in early stage.

Fire symbol 3 – May be fought if explosives are not directly involved.

Fire symbol 4 – Fight these fires.

***4.3.5. If an evacuation occurs, casuals and visitors will immediately contact the ranking individual at the evacuation assembly point. Casuals and visitors will not depart the assembly point until released by the ranking personnel (the on-scene commander).**

NOTE

If an abnormal condition or situation arises during an explosives operation, crew members are responsible for bringing it to the attention of the crew chief. The crew chief will stop the explosives operation and seek guidance from the appropriate technical experts.

4.4. In the event of an emergency that causes physical injury, the munitions technician/specialist who encounters the emergency will notify other agencies immediately by radio or phone (911 for off base) giving the type of emergency and location. Personnel will respond by initiating procedures in accordance with applicable emergency checklists.

Personnel at the scene of the emergency will:

4.4.1. Cease all operations.

4.4.2. Provide aid to injured personnel.

4.4.3. Try to eliminate or minimize the hazards, if possible, until authorities assume control.

4.4.4. In case of fire, attempt to extinguish consistent with firefighting criteria.

4.4.5. Direct/escort responding emergency personnel/vehicles to the incident site.

4.4.6. In case of a vehicle accident, do not move vehicles unless safety is being compromised or until told to do so by authorized personnel (i.e., Emergency Services, VCNCO, and Squadron Supervision).

5. Post-Task Checklist.

5.1. The following items will be reviewed/complied with after the operation as applicable.

_____ 5.1.1. Before departing operating/storage locations, **UPDATE CONTROL WITH N.E.W., CIIC and FIRE/HAZARD SYMBOL changes.**

_____ 5.1.2. AGE – Move 100 feet from operating location(s).