



DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES

AFMAN91-201_PACAFSUP_PACAFGM2016-01

10 May 2016

MEMORANDUM FOR PACAF WEAPONS SAFETY PERSONNEL

FROM: PACAF/SE
25 E Street, Suite F-100
JBPH-H HI 96853-5416

SUBJECT: PACAF Guidance Memorandum to AFMAN 91-201 PACAF Supplement 1.

1. By Order of the Commander, Pacific Air Forces, this PACAF Guidance Memorandum (PACAFGM) immediately implements changes to the PACAF Supplement to 91-201, dated 10 November 2011. Compliance with this memorandum is mandatory. To the extent its direction is inconsistent with other Air Force publications, the information herein prevails, in accordance with (IAW) AFI 33-360, *Publications and Forms Management*.
2. (Change) PACAF Note 2 for Table 7.1 to read: "NOTE 2. Forward the MSA Commander's approval as an info copy via email to the PACAF Weapons Safety organizational container at pacaf.sew@us.af.mil."
3. (Delete) NOTE 29 from Table 12.2.
4. The guidance in this Memorandum becomes void after one-year has elapsed from the date of this Memorandum, or upon publication of an Interim Change or rewrite of the PACAF Supplement to AFMAN 91-201, whichever is earlier.

JAMES S. SHIGEKANE, Col, USAF
Director of Safety

**BY ORDER OF THE COMMANDER
PACIFIC AIR FORCES**



AIR FORCE MANUAL 91-201

**PACIFIC AIR FORCES COMMAND
Supplement**

**10 NOVEMBER 2011
Certified Current On 14 January 2016**

Safety

EXPLOSIVES SAFETY STANDARDS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publication is available on the e-Publishing website at www.e-Publishing.af.mil for downloading

RELEASABILITY: There are no releasability restrictions on this publication

OPR: PACAF/SEW

Supersedes: AFMAN91-201_PACAFSUP,
27 October 2009

Certified by: PACAF/SEW
(SMSgt Bruce R. Martineau)

Pages: 7

This publication applies to all personnel involved in PACAF explosives operations and to US-titled ammunition in contractor, leased, or host nation facilities. This publication applies to PACAF-based and gained Air National Guard (ANG) and Air Force Reserve Command (AFRC) units. Refer recommended changes and questions about this publication to Office of Primary Responsibility (OPR) using Air Force (AF) Form 847, *Recommendation for Change of Publication*; route AF Form 847 from the field through the appropriate functional's chain of command. Compliance is mandatory, but only as minimum safety standards. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Publications and Forms Management*, and disposed of in accordance with the Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/afirms/afirms/afirms/rims.cfm>.

SUMMARY OF CHANGES

This supplement incorporates changes associated with a revision to the parent AFMAN91-201, dated 12 January 2011. This supplement has not changed substantially but has added in garrison expeditionary support plan review procedures, map color requirements and the requirement to submit a lightning protection (LPS) worksheet for explosive site plans that have an existing LPS on them.

AFMAN 91-201, 12 January 2011, is supplemented as follows:

1.2.1.6.1. (Added) Alert aircraft missions at Alaska Forward Operating Locations (FOL), Joint Base Pearl Harbor-Hickam, Joint Base Elmendorf-Richardson, Joint Base Mariannas, and Wake Island are considered Day-to-Day operations.

1.2.1.6.2. (Added) Alaska FOLs do not fall under the category of War Plan Operations.

1.2.1.7. A signed copy of the notification by the contracting officer will be maintained in the SEW files.

1.2.2.2. Forward a copy of periodic review documentation to PACAF/SEW.

1.3.4.1. In Korea, 7 AF/SEW will provide US Forces Korea with the necessary documentation for coordination with appropriate host nation authorities when non-Republic of Korea (ROK) military exposures are violated. 7 AF/SEW will provide the ROK Air Force Operational Command with necessary documentation when only ROK military exposures are violated. 5 AF/SE will provide notification to appropriate JASDF Commanders. Documentation will be in memorandum format and a signed copy will be maintained in 7 AF/SEW and 5 AF/SE files.

1.3.7. Units will track all waivers, exemptions, deviations, and compensatory measures in a locally developed database.

1.4.1.3. A timeline will be submitted for all deviations outlining the measures being taken to correct the deficiency.

1.4.2. (Added) The installation commander will be the deviation approval authority for all deviations for day-to-day operations and contingency or war plans. Deviations will be documented according to paragraph 1.4.3 and copies forwarded through command channels to PACAF/SEW.

1.7.1. The 15 WG/SEW will coordinate on all explosive plans and associated exceptions involving 154th Wing HIANG operations.

1.11.2. PACAF standard color denoting SAF-level waivers and exemptions will be purple.

1.12.1.1. Use Figure 1.1, Exception Decision Nomograph -Day-to-Day Operations, to determine approval levels for exceptions at Alaska FOLs.

1.13.2. Periodic reviews will be submitted to the NAF prior to submission to PACAF/SEW with the following documentation, as applicable: a cover letter explaining what actions were accomplished and addressing 1.13.1.1 through 1.13.1.8, an Exception Decision Nomograph, and any additional information that will explain the review are required.

1.13.4.2. Periodic review approval level will be equivalent to the level that originally approved the deviation.

1.14. (Added) Cancellation of waivers and exceptions can be submitted to PACAF/SEW via email. Include the Explosive Site Plan (ESP) number, waiver/exception number, and a brief narrative of the reason for cancellation.

3.12.1. PACAF units will contact PACAF/SEW for specific guidance based on each situation.

5.12.1.2. Daisy chaining of grounding straps is not permitted for PACAF units.

5.24.3. If six inspection cycles of documentation cannot be produced, annotate reasons for non-compliance in memorandum format and maintain with current inspection documentation.

5.52.2. Fire Chief approval will be in memorandum format and maintained by facility manager and in SEW files.

5.58.2. Ventilator function test will be conducted annually at a minimum. More frequent tests may be necessary given local environmental conditions.

5.58.3. Fusible links will be inspected annually at a minimum.

6.22. (Added) This inspection will be documented and maintained by the owning facility manager.

7.2.4. (Added) Installation Weapons Safety must publish supplements to AFMAN 91-201 to establish unique installation procedures and requirements. Forward copies of supplements to PACAF/SEW for approval prior to final Installation CC approval.

7.3.7. (Added) Include the requirement to remove rings, watches, and jewelry in accordance with AFOSH standards.

7.5.5. Posting Personnel Limits. These limits may be written in the crew book if posting is impractical. The crew chief of the operation must have these limits written down in the crew book and ensure all crewmembers are aware of the munitions items within the operating location.

7.8. Use English/Host Nation bilingual signs where appropriate.

7.10.1. Ensure portable electronic equipment introduced to a hazardous location meets the requirements of paragraph 5.4 and 5.12.10 of the basic manual

7.20. Security Forces personnel may carry in-use ammunition (except Hazard Division (HD) 1.1) into public assembly areas when required to meet mission essential needs. HD 1.1 AE is authorized when required by immediate security needs IAW the basic manual.

7.22.6. Area will be inspected by qualified Weapons Safety representative.

7.22.7. Units will submit risk assessment at least 30 days prior to demonstration date.

7.23.1.4. Units will submit a comprehensive risk assessment to MAJCOM at least 30 days prior to demonstration date.

7.23.2.3. Units will submit a comprehensive risk assessment to MAJCOM at least 30 days prior to demonstration date.

7.24.3. All forms of hunting/fishing/recreation at less than Public Traffic Route (PTR) will require an exception.

7.27. The Installation Exercise Evaluation Team Chief can satisfy this requirement by developing a single letter or local operating instruction that details all exercises under their control, including those in conjunction with PACAF/IG. All other requirements of the basic manual apply.

7.35.3. MAJCOM authority is PACAF/A4. Info PACAF/SEW with approval memorandum.

7.42. MAJCOM authority is PACAF/A4. Info PACAF/SEW with approval memorandum.

7.44.1.(Added) Amnesty Boxes. Units responsible for the inspection of amnesty boxes will develop written procedures governing the inspection and handling of munitions found in amnesty

boxes. Boxes must be placed at least 50 feet from combustible/hazardous materials and public traffic routes/gathering places.

Table 7.1, Note 2. Forward the MSA commander's approval to PACAF/A4 for final approval. Provide info copy to PACAF/SEW.

8.7.3. PACAF/SEW approves mixing of compatibility groups for these purposes.

8.16.9. (Added) US Forces transporting explosives over Japanese public highways must comply with special requirements IAW USFJI 24-100, *Transportation of Explosives*.

8.22.4. Basic load munitions items not carried on their person in the performance of their duties are authorized in the vehicle cab or bed provided the explosive items are in closed immobilized metal containers.

8.26.2. WSMs will obtain written approval from commanders to omit placards.

8.26.3. WSMs will obtain written approval from commanders to omit placards.

8.26.8. (Added) Security Forces vehicles transporting armed personnel and their basic load munitions onpost, and to and from post do not require Department of Transportation placards. Check host nation laws for off-base placarding requirements.

10.14.1. Munitions Control will maintain records of these drills in accordance with AFMAN 33-363, *Management of Records*.

10.22.6. The Base Fire Chief makes the final determination on fire protection equipment in the absence of regulatory guidance/requirements.

Table 10.2, (Added) Note 3. Full protective clothing includes the use of breathing apparatus. Posting the appropriate chemical hazard symbol (Set 1, 2, or 3) eliminates the requirement for Wear Breathing Apparatus symbol.

11.1. The explosives facility licensing program is a installation weapons safety manager's responsibility. Weapons Safety Managers may not detract from licensing requirements of this manual and the basic manual; however, they may stipulate additional requirements in the interest of safety (i.e. licensing units with less than 1,000 rounds of small arms ammunition). See paragraph 5.25.2 of the basic manual for lightning protection requirements.

11.1.5. Local written instructions will be coordinated through the Installation Weapons Safety Office.

11.1.6. (Added) Cart lockers in sited facilities do not require a license as long as the HD, Net Explosive Weight Quantity-Distance (NEWQD), and Compatibility Group do not conflict with the facility site plans. Procedures will be outlined in Operating Instructions. All other requirements, such as minimum distances, firefighting symbols and grounding procedures, apply.

11.4.1. The security requirements in AFI 31-101, *Integrated Defense*, must be met or a waiver must be requested through appropriate channels.

11.5.6.3. Reduced parking authorization will be documented in remarks section of AF IMT 2047.

11.7.8.3. (Added) Licenses issued solely for exercise-use munitions, such as Ground Burst Simulators and smoke grenades, must state in the remarks section of the AF Form 2047,

Explosive Facility License, and in the applicable OI, “*FOR DURATION OF EXERCISE ONLY, Munitions will be returned to the munitions storage area within 3 calendar days of the end of each exercise*”.

11.11. Licenses do not need to be rescinded at the end of each exercise so long as they are only used during exercises.

11.16.1. Units will outline methods based on local conditions and forward to PACAF/SEW for approval.

11.16.6. Licensing is required when written procedures are not established to return downloaded ammunition to the MSA within 24 hours.

11.17. (EOD) or other qualified source will provide training annually as determined by the local weapons safety office.

12.15.1.24. Treat runway arresting systems with the same criteria as the runway they support.

12.15.1.25. Treat runway arresting systems with the same criteria as the runway they support.

12.15.1.27. Weather instruments require Intraline Distance (ILD) from flightline PESs and Incremental IB from non-flightline PESs.

12.17.1. Allowable concurrent operations may be authorized by the Installation Weapons Safety office provided the requirements of paragraphs 12.17.1.1 through 12.17.1.4 of the basic manual are met. Contact PACAF/SEW for additional guidance.

12.17.3.16. Treat runway arresting systems with the same criteria as the runway they support.

12.39.3.1. (Added) An approved airfield waiver must be submitted when siting any explosives within an Airfield Prohibited Area or Accident Potential Zone. Reference United Facilities Criteria 3-260-01, *Airfield and Heliport Planning and Design*.

12.54. An explosive site plan submission will be accomplished for each area identified, to include the specifics of the training and a detailed list of the explosives items to be used. .

12.79.4.2. WSMs will produce preprinted maps to aid in warning sign placement showing cordon radius around training site based on NEW's used.

12.80.2.1. PACAF/SEW approval will be given on a case-by-case basis.

12.81.12.4. (Added) Fixed POL pantograph systems attached to hydrants do not require quantity distance (Q-D) separation. These systems have “dead-man controls” and other features that prevent fuel discharge in a mishap event.

Table 12.1. NOTE 20. Apply aircraft survivability for aircraft parked in these types of areas.

Table 12.1. NOTE 29. Installation Weapons Safety offices will identify what actions constitute servicing in their supplement to this manual or other local operating instruction.

Table 12.2. NOTE 29 Apply aircraft survivability per note 27.

Table 12.2. NOTE 39. Installation Weapons Safety offices will identify what actions constitute servicing in their supplement to this manual or other local operating instruction.

Table 12.3. NOTE 20. Apply aircraft survivability per note 18.

13.5.3. Each unit (i.e. NAF, Installation, and 607 MMS) will review their In Garrison Expeditionary Support Plan (IGESP) and all IGESP's for bases where they are tasked to deploy annually and as changes occur. Weapons Safety personnel must have a thorough knowledge of all munitions requirements necessary to site plan adequate storage, operating, staging, combat aircraft parking and hot cargo locations. The 607 MMS/SEW will maintain current site plans for collocated operating bases and will provide deploying units with current site plan listings and/or NEW guides. Guidance for the development of base support plans can be found in AFI 10-404, *Base Support Planning*.

13.5.3.1. (Added) All installations will forward any IGESP LIMFACS to their NAF/SEW and to HQ PACAF/SEW annually and as changes occur.

13.5.5. Host support units will work directly with their counterparts in the deploying unit. Host support units are responsible for providing deploying units with procedural information concerning operations at their base or Geographically Separated Units (GSU). Units hosting a deployment will request additional weapons safety support through the NAF and PACAF/SEW, when necessary.

13.9.1. Google Earth or GEO-Base maps may be provided as well.

14.2. At a minimum, Munitions Control, the Installation Weapons Manager, Maintenance Operations Center, Maintenance Operations Division, the Installation Community Planner, and the EOD Chief will receive a copy of approved explosive safety site plans.

14.14.1. All site plans will be forwarded through the NAF/SEW (where NAF has SEW position) for review prior to submission to PACAF/SEW. Units not using Assessment System for Hazard Surveys (ASHS) will submit an electronic Microsoft Word copy of the transmittal letter and AF Form(s) 943; and an electronic version of the map. Map must be to scale or scalable under the program (i.e. AutoCAD). It is preferred that all supporting material be submitted electronically, if possible. Units will submit the original and two copies of site plan supporting materials if these documents are not available electronically.

14.22.2.5.1. Compensatory measure (CM) numbers will use Base-ESP number-CM number (i.e. Osan-09-S01-CM01) and will be included in Block 10 of AF Form 943 for affected facilities.

14.22.9. Provide the project number from the Automated Civil Engineer System - Project Management.

14.22.12. 1 PACAF units must include PACAF specific LPS worksheet.

14.22.19.3. Installation/SE and NAF/SE must coordinate on all requests for expeditious processing.

14.24.4. When the accuracy of maps is in question, use the Common Installation picture from GeoBase, GPS coordinates, or other accurate means and state its use in the cover letter.

14.24.8. Use the PACAF standard color purple for SAF-level exemptions for ease of reference.

14.25.2.3. PACAF units must include PACAF specific LPS worksheet.

SETH P. BRETSCHER, Col, USAF
Director of Safety