

**BY ORDER OF THE COMMANDER  
18TH WING**



**DESR 6055.09\_DAFMAN 91-201**

**PACIFIC AIR FORCES  
Supplement**

**KADENA AIR BASE  
Supplement**

**7 MAY 2026**

**Safety**

**EXPLOSIVES SAFETY STANDARDS**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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DESR6055.09\_DAFMAN91-201, *Explosives Safety Standards*, 18 June 2025, and Pacific Air Forces Supplement (PACAFSUP), 14 April 2026, are supplemented as follows: This publication applies to USAF, USA, USN, USMC, and other organizations handling explosives on Kadena Air Base (AB). It is a standalone publication and must be read in conjunction with DESR6055.09\_DAFMAN91-201 and PACAFSUP. Ensure all records generated as a result of processes prescribed in this publication adhere to Air Force Instruction (AFI) 33-322, *Records Management and Information Governance Program*, and are disposed in accordance with (IAW) the Air Force Records Disposition Schedule, which is located in the Air Force Records Information Management System. Refer recommended changes and questions about this publication to the office of primary responsibility (OPR) using the DAF Form 847, *Recommendation for Change of Publication*; route DAF Forms 847 from the field through the appropriate functional chain of command.

**SUMMARY OF CHANGES**

This document has been substantially revised and must be completely reviewed. Major changes include updating references from DAFMAN 91-201 to DESR6055.09\_DAFMAN 91-201 throughout this publication, removal of hardened aircraft shelters that do not require compensatory measures, removing buildings requiring evacuation of unrelated personnel during explosive

operations, clarification of locations and procedures involving explosives at Taxiway Bravo, removal of not requiring placards while transporting HD 1.4 material on base. Information removed is no longer relevant or is covered in other instructions.

V1.E3.1.6.1. **(Added)** The 18th Wing Commander (18 WG/CC) has approved the following compensatory measures to eliminate or reduce the potential for personal injury, in addition to preventing violations to explosive safety standards. Official records of all compensatory measures are contained in the Department of Defense Explosive Safety Board (DDESB), approved explosive site plan and maintained in the 18 WG Weapons Safety Office. Unless otherwise specified, these compensatory measures are mandatory and apply to HD 1.1 operations.

V1.E3.1.6.2. **(Added)** Taxiway Delta Explosive Operations: Personnel in Bldg 3579 will restrict access to the tower to mission essential personnel only. If possible, evacuate the tower of all personnel during explosive operations at Taxiway Delta. Before non-mission essential personnel enter the tower, ensure that Taxiway Delta is free of explosives.

V1.E3.1.6.3. **(Added)** In the event an explosive operation at facility 46803 exceeds 3,000 lbs. of HD 1.1, Navy Munitions Command (NMC) will ensure all explosive operations in facility 46805 will cease, and all personnel will evacuate beyond the appropriate intraline distance. If needed, call 18 WG/SEW for assistance.

V1.E3.1.6.4. **(Added)** 18 MUNS (e.g.. Munitions Control) will notify the 18 MXG (e.g. Maintenance Operations Center (MOC) whenever live combat missiles, bombs, or any other HD 1.1 munitions loads are delivered to any Combat Aircraft Parking Area (CAPA), Hard-Stand, or hardened aircraft shelter (HAS). When HD 1.1 munitions are introduced to these locations and compensatory measures are required, 18 MXG will contact the affected facilities, and notify them of the requirement for unrelated personnel to evacuate. The primary test to be applied in determining combat aircraft related facilities is that the function provides essential daily and direct support for the site presenting the hazard. Commanders will define which personnel in these locations are considered related. Examples may be found in DESR6055.09\_DAFMAN 91-201, V3.E3.1.1.2.1.11.

V1.E3.1.6.5. **(Added)** To ensure compliance with CAPA, Holding Area and HAS site plans, the following compensatory measures must be adhered to. Unrelated personnel must be evacuated when H/D 1.1 munitions are present at the following respective locations:

V1.E3.1.6.6. **(Added)** CAPA spots 1-4 (evacuate unrelated personnel at Bldgs 728 and 730).

V1.E3.1.6.7. **(Added)** CAPA spot 5-7 (evacuate unrelated personnel at Bldgs 728 and 733).

V1.E3.1.6.8. **(Added)** CAPA spots 8-10 (evacuate unrelated personnel at Bldg 733).

V1.E3.1.6.9. **(Added)** CAPA spot 11 (evacuate unrelated personnel at Bldgs 733 and 762).

V1.E3.1.6.10. **(Added)** CAPA spots 12-17 (evacuate unrelated personnel at Bldg 762).

V1.E3.1.6.11. **(Added)** CAPA spots 18-20 (evacuate unrelated personnel at Bldgs 762 and 765).

V1.E3.1.6.12. **(Added)** CAPA spots 21-24 (evacuate unrelated personnel at Bldg 765).

V1.E3.1.6.13. **(Added)** CAPA spots 31-36 (evacuate unrelated personnel at Bldgs 763 and 764).

V1.E3.1.6.14. **(Added)** CAPA spots 37-40 (evacuate unrelated personnel at Bldgs 763, 764 and 780).

V1.E3.1.6.15. **(Added)** CAPA spot 41 (evacuate unrelated personnel at Bldgs 764 and 780).

V1.E3.1.6.16. **(Added)** CAPA spots 42-45 (evacuate unrelated personnel at Bldgs 764, 780, and 781).

V1.E3.1.6.17. **(Added)** CAPA spots 46-50 (evacuate unrelated personnel at Bldgs 780 and 781).

V1.E3.1.6.18. **(Added)** Taxiway Bravo (South): When explosive operations at Taxiway Bravo South exceeds 18,000 lbs. H/D 1.1, or 1.2.1 maximum credible event (MCE) exceeds 375 lbs. the Air Terminal Operations Center (ATOC) will notify Marine Wing Liaison Kadena (MWLK) and the 18th Logistics Readiness Squadron (18 LRS) representatives at buildings 3472, 3473 and 3481. Unrelated personnel will be removed from the cargo processing pad and directed to remain indoors or evacuate the area until the aircraft has departed.

V1.E3.5.8.1. **(Added)** Units requesting waivers and exemptions (e.g. explosive limit increase) may do so by submitting a commander approved memorandum to 18 WG/SEW (see [Attachment 3](#)). The request will include the requirements of paragraphs V1.E3.5.9.3 through V1.E3.5.9.5 and V1.E3.5.11 in the request to the appropriate authority for acceptance.

V1.E6.2.2. **(Added)** Storing of Japan Air Self-Defense Forces munitions will comply with DESR6055.09\_DAFMAN 91-201 to every extent possible. Requests to keep non-DoD stock listed items will be routed to the 18 WG/SEW, who will request permission from MAJCOM and the Air Force Safety Center.

V1.E6.31.1. **(Added)** Flightline sited locations (e.g., hardstands, Taxiway Bravo/Delta, HAS) require fire symbol posting when explosives are introduced to the location. The unit responsible for the aircraft or location is also responsible for supplying and updating fire symbols at that location.

V1.E6.31.2. **(Added)** Flightline spots 1-50 are exceptions to posting fire symbols. Munitions delivery drivers will contact Munitions Control whenever HD 1.1 and 1.2 munitions are delivered to or removed from spots 1-50. Munitions Control will notify MOC, who in turn will make fire symbol change notifications to the Emergency Communication Center (ECC). For emergency procedures, refer to the applicable checklist utilized during explosive operations.

V1.E6.42.11.1. **(Added)** Primary and alternate on-base explosive movement routes are identified on the Explosive Arcs Map. With the exception of Tengan Pier operations, explosive-laden vehicles entering Kadena AB will use Highway 74, and enter the base via Gate 19. Explosive items will not be used during exercises on routes designated as "Contingency Only."

V1.E9.2.5. **(Added)** Risk assessment is required to assess explosive hazards to personnel not directly related to explosive storage and operations (e.g. construction workers, visitors). Commanders should limit exposure of non-related personnel to explosives when possible. Prior to these personnel entering the airfield or munitions storage area, units will verify the destination against the Explosive Quantity Distance Map (located on 18 WG/SEW SharePoint) or may contact the Wing Weapons Safety Office at 634-2122. If the destination is within the explosive clear zone, submit the Kadena AB Form 87, *Explosive Safety Risk Assessment Request* (see [Attachment 2](#)). It is highly recommended to submit requests at least 45 days prior, to avoid work or visit delays. If explosive hazards are present and cannot be mitigated, exceptions to quantity distance criteria and risk acceptance require a thorough review and often prove a lengthy process.

V1.E10.3.4.10. **(Added)** Hazard division (HD) 1.1 munitions trailers servicing Spots 1-50 (Flows), are only permitted during active loading and down-loading of the aircraft. In the event the aircraft is not ready for loading, munitions will be returned to the Munitions Storage Area (MSA) or an appropriately sited flightline holding area (e.g. Hardstand 212). Maintenance, Munitions, and Weapons leadership must make every effort to ensure staging times are kept to a minimum. Empty munitions trailers remaining at the location after upload, or staged prior to download, are not an explosive safety concern. Ensure the following guidelines for munitions delivery to the flightline are followed:

V1.E10.3.4.11. **(Added)** 18 MUNS (e.g. MUNS Control) will notify the 18 MXG (e.g. MOC) of all HD 1.1 munitions deliveries to the flightline. The responsible Aircraft Maintenance Unit (AMU) personnel will notify Maintenance Operations when aircraft are loaded with munitions and when the site contains HD 1.1 explosives. Responsible AMU personnel will ensure the total NEW does not exceed the maximum allowable limit for each location. Munitions trailers may not contain a higher NEW than authorized for a single aircraft, when servicing Spots 1-50.

V4.E3.1.4.1. **(Added)** For explosive cargo, 733rd Air Mobility Squadron (733 AMS) personnel will validate and track NEW after delivery and confirm accuracy. If changed from planning weight will notify ATOC as NEW changes occur to ensure explosive storage limits are not exceeded.

V5.E3.2.6.2.3. **(Added)** Open Air Detonations (Fragmenting): The maximum allowable diameter and net explosive weight (NEW) prevent this location from being utilized to detonate fragmenting Ammunition and Explosives (AE). ***No Open-Air detonations of fragmenting AE will occur at 49011.*** All fragmenting AE will be buried during intentional detonation ops to reduce hazardous fragment distance (HFD).

V5.E3.2.6.2.4. **(Added)** Facility 42635 will be cleared of munitions when the explosives involved in the open-air intentional detonation are expected to exceed 31 lbs of non-fragmenting munitions.

V5.E3.2.6.2.5. **(Added)** Facility 42636 will be cleared of munitions when the explosives involved in the open-air intentional detonation are expected to exceed 9 lbs of non-fragmenting munitions.

V5.E3.2.6.2.6. **(Added)** Facility 42648 will be cleared of munitions when the explosives involved in the open-air intentional detonation are expected to exceed 37 lbs of non-fragmenting munitions.

V5.E3.2.6.2.7. **(Added)** Facility 42649 will be cleared of munitions when the explosives involved in the open-air intentional detonation are expected to exceed 48 lbs of non-fragmenting munitions.

V5.E3.2.6.2.8. **(Added)** When 49011B (EOD Bunker) and holding pads 49011A, 49011C, 49011D are used, the disposal range (49011) will be restricted to proficiency training use only with a maximum of 5 lbs of non-fragmenting munitions.

V5.E3.2.10.6.7. **(Added)** Simulator munitions training must include a supervised hands-on evaluation following approved classroom academic instruction. This training is conducted by 18 Civil Engineering Squadron/Explosive Ordinance Disposal (18 CES/EOD) as mission permits. 18 CES/EOD will certify individuals assigned to other units as trainers for simulators and smoke producing devices. 18 CES/EOD and the unit will maintain training documentation of EOD-

certified trainers. 18 CES/EOD will provide this training on an annual basis. The unit will maintain a list of people trained by EOD-certified trainers. All persons trained to initiate simulator munitions, including EOD-certified trainers, will receive an AF Form 483, *Certificate of Competency*, listing qualified munitions. A current AF Form 483 is required before receiving, handling or initiating simulator munitions.

V5.E3.2.11.4.1.1. **(Added)** 18 WG/SEW will be notified prior to conducting off-range operations using tools and explosives listed in paragraph V5.E3.2.11.4.2, V5.E3.2.11.4.3.1 through V5.E3.2.11.4.3.10 of DESR6055.09\_DAFMAN 91-201.

V7.E3.3.10.1. **(Added)** EOD will notify the 18th Munitions Squadron (18 MUNS) when disposal operations will be conducted at 49011 (EOD Range), and will coordinate applicable compensatory measure completion. Clear zones will be strictly enforced during operations. The range safety officer will ensure all nonessential personnel and outside munitions not being used for the detonation have been removed from the clear zone. Entrance gates will be monitored, and nonessential personnel restricted from the area.

JOHN B. GALLEMORE  
Brigadier General, USAF  
Commander, 18th Wing

**Attachment 1**

**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION**

***Prescribed Forms***

Kadena AB Form 87, *Explosive Safety Risk Assessment Request*

***Adopted Forms***

AF Form 483, *Certificate of Competency*

***Abbreviations and Acronyms***

**AB**—Air Base

**AMU**—Aircraft Maintenance Unit

**ATOC**—Air Terminal Operations Center

**CES**—Civil Engineering Squadron

**MOC**—Maintenance Operations Center

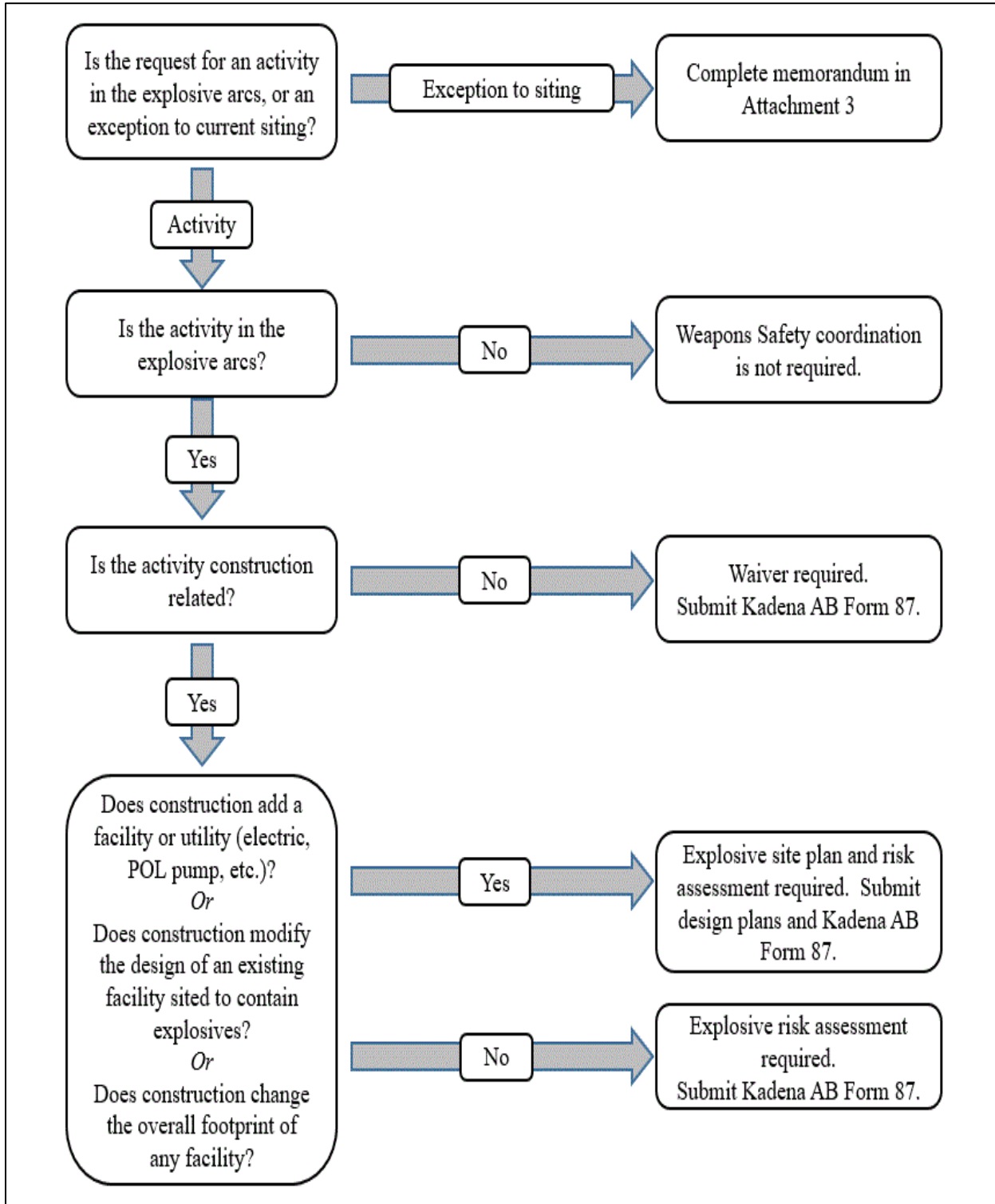
**MWLK**—Marine Wing Liaison Kadena

**NMC**—Navy Munitions Command

Attachment 2

WEAPONS SAFETY COORDINATION FLOW CHART


Figure A2.1. Weapons Safety Coordination Flow Chart.



## Attachment 3

## EXCEPTION REQUEST TO CURRENT EXPLOSIVE SITING

Figure A3.1. Exception Request to Current Explosive Siting.

|  |   |
|--|---|
|   | <b>DEPARTMENT OF THE AIR FORCE</b><br><b>PACIFIC AIR FORCES</b> |
|  | <i>Date</i>   |
| MEMORANDUM FOR 18 WG/SEW   |   |
| FROM: <i>Requesting Unit</i>   |   |
| SUBJECT: <i>Self Explanatory</i>   |   |
| <ol style="list-style-type: none"><li>1. <b>NARRATIVE:</b> <i>Background of why the unit is requesting the waiver or exemption.</i></li><li>2. <b>JUSTIFICATION:</b> <i>In narrative form, provide a detailed explanation of the "strategic or compelling operational" reason for requesting the waiver or exemption. (see 1.11.6. for further detail)</i></li><li>3. <b>CORRECTIVE ACTIONS:</b> <i>Discuss any and all actions taken or planned to mitigate the effects of an explosives mishap. Consider such things as building techniques, barricading, glass protection, tiered siting, or planned construction. Identify the proposed specific corrective action or actions to ultimately correct the waiver or exemption. (see 1.11.8. for further detail)</i></li><li>4. <b>OPTIONS:</b> <i>Discuss fully all reasonable options considered by the unit but rejected in favor of the proposed action. Give details as to why each of the other options was not chosen. Discuss limitations to funding, real estate, or other constraints, as appropriate.</i></li><li>5. Please direct any questions concerning this memorandum to <i>POC name and phone number.</i></li></ol> |   |
|  | <i>NAME, Rank, USAF</i><br>Commander                            |
| Attachment:<br><i>Include any attachments if applicable</i>  |   |