

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



AIR FORCE MANUAL 32-1123(I)

**PACIFIC AIR FORCES COMMAND
Supplement 1**

4 JUNE 1999

Civil Engineering

**AIRFIELD AND HELIPORT
PLANNING AND DESIGN**

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This publication does not apply to the Air National Guard or US Air Force Reserve units and members. New or revised material is indicated by an (I).

AFMAN 32-1123(I), 1 May 1999, is supplemented as follows:

8.5. (Added) Forms Prescribed: PACAF Form 48, *Airfield/Airspace Criteria Violation Report*.

A2.2.2.5. (Added) Waiver request for airfield projects that deviate from airfield and airspace criteria (only when it is impractical to cite a project in an alternate location) must be submitted to PACAF/CEP for review/approval before design start. Waivers will not be approved unless full documentation is provided showing no viable alternatives exist.

A2.2.5.4.4. BCE will program projects annually to eliminate non-permanent waiver situations.

A2.2.5.4.6. BCE must establish a procedure to give Notice of Proposed Construction between the wing and the local government (except Andersen, Hickam, and Alaskan bases—Follow FAA guidance, FAR PART 77) for any construction within ten nautical miles of the base. The notice of proposed construction must identify obstructions that have a direct impact on terminal procedures for the wing's approach-departure zones. As a minimum the notice of proposed construction must identify the following:

A2.2.5.4.6.1. (Added) Any construction or alteration of more than 200 feet in height above the ground level at its site (water towers, buildings, antenna farms, etc).

A2.2.5.4.6.2. (Added) Any construction or alteration impacting the airfield imaginary surfaces identified in AFMAN 32-1123(I), Airfield and Heliport Planning Criteria, Chapter 3.

A2.2.5.4.6.3. (Added) Any highway, railroad, or transverse way for mobile objects or the height of the highest mobile object that would normally cross the traverse way that exceeds the standard of paragraphs A2.2.5.4.6.1 and A2.2.5.4.6.2 of this supplement.

A2.2.5.4.6.4. (Added) Any construction for a laser beam facility (casinos, amusement parks, etc).

A2.2.5.4.6.5. (Added) BCE must coordinate the Procedure for Notice of Proposed Construction with the Operations Group Commander, Airfield Management (AM), TERPS, Flying Safety, and Legal prior to wing commander review/approval. Provide information copies of the approved Procedure for Notice of Proposed Construction to HQ PACAF/DOY/SEF/CEP and NAF/DO/SE/CE.

A2.2.5.4.7. Waiver request concerning deviation of siting criteria for air traffic control towers, electronic navigation aids (ILS/TACAN, etc.), or visual approach slope indicators (PAPI/etc.) must be coordinated with HQ PACAF/DOY/SEF/CEP and HQ AFFSA/XO (operational requirements only—instrument procedures) for approval/disapproval. Information copies to NAF/DO/SE/CE.

A2.2.5.4.8. Temporary waivers will not be part of Map E-1 or the listing of approved waivers. Information copies of all approved temporary waivers shall be sent to HQ PACAF/DOY/SEF and NAF/DO/SEF. The Wing BCE, AM and SEF will monitor construction activities on the airfields.

A2.2.5.4.9. (Added) Where the U.S. Air Force is a tenant on a base operated by the Republic of Korea Air Force (ROKAF), approval of waivers shall rest with the ROKAF Base Commander. However, the requesting agency shall obtain the concurrence of HQ PACAF/DO/SE/CE and NAF/DO/SE/CE before coordinating with ROKAF.

A2.2.5.4.10. (Added) All requests for waivers shall be sent from the wing commander through NAF/DO/SE/CE to HQ PACAF/CEP. The BCE, AM, SEF and TERPS shall review and approve each request for a new waiver. The request will include the following:

A2.2.5.4.10.1. (Added) Installation name.

A2.2.5.4.10.2. (Added) Name and use of the proposed facility.

A2.2.5.4.10.3. (Added) Average number of people expected to occupy the facility.

A2.2.5.4.10.4. (Added) Location Plan, Map E-1 at 1" = 400' or metric equivalent showing:

A2.2.5.4.10.4.1. (Added) Proposed location and its perpendicular distance to runway and taxiway centerlines, to aprons, from ends of runways, and to existing adjacent structures, as appropriate.

A2.2.5.4.10.4.2. (Added) Alternate sites considered in the selection process.

A2.2.5.4.10.4.3. (Added) All existing waivers in the project area, within a minimum area of 1000' out.

A2.2.5.4.10.4.4. (Added) Elevations of proposed facility and project area.

A2.2.5.4.10.4.5. (Added) Elevations at runway centerline at points perpendicular to the proposed facility.

A2.2.5.4.10.4.6. (Added) Runway elevation as defined in AFMAN 32-1123 (I).

A2.2.5.4.10.4.7. (Added) Compelling reasons why the project must be sited as proposed, all alternate sites considered (provide 2-3 alternatives), and why alternate sites are not suitable.

A2.2.5.4.10.4.8. (Added) Precautionary safety measures taken (install obstruction lights, update local directives/FLIPS, etc).

A2.2.5.4.10.4.9. (Added) PACAF Form 48, signed by the wing commander, OG/CC, SE, AM, TERPS, and BCE, and use reverse side (Continuation Sheet) as needed. Item(s) in violation of standards shall be identified and reported as follows:

A2.2.5.4.10.4.9.1. (Added) Each violation shall be assigned an alphanumeric identification number and listed in its own grouping on PACAF Form 48. The alphabetical grouping prefix shall be: "A" for apron

violations, “C” for clear zone violations (identify which end of runway, e.g., “CN” for north end), “R” for runway violations, “T” for taxiway violations, and “AV” for airspace violations.

A2.2.5.4.10.4.9.2. (Added) Permissible deviations must be identified in a separate attachment and listed by the category of the violation (clear zone, runway, taxiway, apron, etc.).

A2.2.5.4.10.4.9.3. (Added) The location of each violation shall be shown on Map E-1 and keyed to PACAF Form 48 using the grid system on the location map.

A2.2.5.4.10.4.9.4. (Added) Obstructions of a similar nature naturally grouped in a small area, such as trees, will be assigned only one waiver number. The total number of items will be indicated in parentheses in the description column on PACAF Form 48. For example, if waiver is for 26 trees, the description will read, “TREES (26 each).” The actual extent of violation to be recorded on PACAF Form 48 shall be for the item causing the greatest hazard (e.g. distance to the nearest or highest tree, elevation of the top of the tallest airspace hazard).

A2.2.5.4.10.4.9.5. (Added) AFMAN or AFI publication and the criteria being violated.

A2.2.5.4.10.4.9.6. (Added) Extent of violation. Example: apron criteria is 125’, obstruction is sited at 100’, and therefore extent of violation is 25’.

A2.2.5.4.10.4.9.7. (Added) Complete data for each criterion being violated by the proposed facility (e.g., show violations in the longitudinal and transverse directions for facilities sited in clear zones).

A2.2.5.4.10.4.9.8. (Added) When an obstruction violates more than one criterion, the obstruction will be assigned an alphanumeric waiver number for each violation. For example, an obstruction that violates both runway and taxiway criteria will be identified and maintained on the listing under both runway and taxiway waivers. Multiple waivers will be cross-referenced in the Remarks column on PACAF Form 48.

A2.2.5.4.10.4.9.9. (Added) Proposed corrective action shall be included in the last column of PACAF Form 48. Include a brief description of the corrective action, specific work order number, proposed year for corrective work, type of project and project number. If it is not feasible to eliminate the violation, so state in remarks column and include strong justification. The BCE, AM and SEF shall submit Work Requests (AF Form 332) for the elimination of those airfield violations identified in PACAF Form 48 which they consider will adversely affect safe, acceptable airfield operation.

A2.2.5.4.11. (Added) For annual submittal of approved waivers the wing commander must approve and sign the On-base Obstructions to Airfield Criteria Map E-1 and PACAF Form 48.

A2.2.5.4.12. (Added) BCE will provide SE, OG/CC or equivalent and AM with a copy of the documents for each approved waiver to enable them to include recognized violations in their airfield operations regulations. Send HQ PACAF/CEP (annually as directed below) a signed Map E-1 and PACAF Form 48 listing all approved waivers for review. As part of the review process, responsible representatives from AM, TERPS, SEF, and BCE shall, as a team, inspect the entire airfield, as defined by AFMAN 32-1123(I), for hazards to airfield operations and violations to criteria. The inspection shall be accomplished in accordance with AFI 13-213, Airfield Management. The team shall also validate all waivers as reported in the annual submittal and submit new waiver request IAW AFJMAN 32-1123(I) and PACAF supplement.

A2.2.5.4.13. (Added) BCE shall submit list of approved waivers as directed by HQ PACAF/CEP. Deviations to criteria not yet approved shall not be included in the annual submittal. Prior to the annual submittal, the following shall be completed by SEF, AM, TERPS, and BCE:

A2.2.5.4.13.1. (Added) Conduct complete physical inspection of the entire airfield area and all items projecting into the airspace.

A2.2.5.4.13.2. (Added) Determine which violations have been or can be eliminated.

A2.2.5.4.13.3. (Added) Review and update PACAF Form 48, Airfield/Airspace Criteria Violation Report and Map E-1, On-base Obstructions to Airfield Criteria.

A2.2.5.4.14. (Added) BCE must submit an annual airfield/airspace waiver review package with the wing commander approval to HQ PACAF/CEP by the following dates each year: (1) 28 February (Andersen, Hickam, Kadena, Johnston Atoll); (2) 30 May (Osan, Eareckson, Kunsan, Yokota); and (3) 31 August (Eielson, Elmendorf, Galena, Misawa).

A2.2.5.4.15. (Added) Wing commander or equivalent shall establish an Airfield/Airspace Working Group. At minimum, representation shall include members from SE, CE, AM, TERPS and Operations.

A2.2.5.4.16. (Added) Wing/CC or Wing/CV must ensure the Airfield/Airspace Waiver Working Group review at least 25 percent of the Wing's airfield/airspace waivers each quarter and brief/document the status of the review at each Airfield Operations Board (AOB) meeting. The Airfield Operations Flight commander or a designated representative shall notify BCE of proposed AOB meetings. NOTE: Johnston Atoll, Galena, and Eareckson designated OPRs for the Airfield/Airspace Working Group shall brief the Wing/CC or equivalent and provide informational copy of the Working Group minutes to HQ PACAF/DOY/SEF/CEP, NAF/DO/SE/CE and 15 OSS/CC/OSA (Johnston Atoll only).

A2.2.5.4.17. (Added) Training for members of the Airfield/Airspace Waiver Working Group must be accomplished and documented in the individual's training records. Each member shall receive recurring training on airfield/airspace waiver criteria annually. Members of each organization must brief the status of airfield/airspace waiver training at each AOB meeting. NOTE: Galena, Eareckson, and Johnston Atoll must brief the status of airfield/airspace training at each Airfield/Airspace Working Group meeting.

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