

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



AIR FORCE INSTRUCTION 36-2248

**8TH FIGHTER WING
Supplement 1**

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Personnel

**OPERATION AND MANAGEMENT OF
AIRCREW TRAINING DEVICES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This supplement implements AFI 36-2248, *Operation and Management of Aircrew Training Devices (ATD)*. This publication establishes responsibilities and provides guidance for the management, scheduling, and reporting of Combat Air Forces (CAF) training systems, including training devices, training system support centers, instruction and courseware, and all associated support equipment and programs. It applies to all PACAF units possessing aircrew or mission training devices. If this publication conflicts with the provisions of a specific maintenance contract, the requirements contained in the contract take precedence. Conflicts should be elevated through HQ PACAF/DOT for resolution. This supplement does not apply to units whose flight simulators are maintained by the wing deputy commander for maintenance and Air National Guard (ANG) or Air Force Reserve Command (AFRC) units and members. Send comments and suggested improvements to this publication on AF Form 847, Recommendation for Change of Publication, through channels, to HQ PACAF/DOT, 25 E. Street, Suite 232, Hickam AFB, Hawaii, 96853. Maintain and dispose of all records created as a result of prescribed processes in accordance with AFMAN 37-139, "Records Disposition Schedule".

SUMMARY OF REVISIONS

This new PACAF Supplement is a comprehensive rewrite of PACAF Instruction 36-2201, *Simulator Training Management*. Every section has been rewritten, combined, or removed. Please review all sections.

AFI 36-2248, 1 May 1998, is supplemented as follows:

1.1. The purpose of this supplement is the Management of Air Force Training Systems to include the responsibilities to operate and manage Aircrew Training Devices (ATD's), Training System Support Centers (TSSC's), associated support equipment, courseware and instruction within PACAF.

1.4.4.1. (Added) HQ PACAF, as a User Command (UC), shall advocate, program, and allocate Operations and Maintenance funding for training systems assigned to PACAF for the period after the training system achieves Final Operational Capability. HQ PACAF/DOT will appoint a SIMCERT PO who will manage the SIMCERT program within PACAF. HQ PACAF/DOT responsibilities:

1.4.4.1.1. (Added) Function as the OPR for assigned ATDs. Establish operational concepts for unique ATD acquisitions and modifications.

1.4.4.1.2. (Added) Identify and specify unique ATD requirements to HQ ACC/DRS.

1.4.4.1.3. (Added) Provide aircrews and POs to support ATD programs when required/available.

1.4.4.1.4. (Added) Provide funding support to ACC personnel who are TDY to support unique requirements, if able.

1.4.4.1.5. (Added) Identify military training and resource requirements, establish supplementary training programs, and executes their programs.

1.4.4.1.7. (Added) Establish guidance for the deployment and management of Operations Training Systems (TSs), including Aircrew Training Devices (ATDs), Unit Training Devices (UTDs), Simulators, Distributive Mission Operations/Trainers (DMO/Ts), Weapons Systems Trainers (WSTs), Weapons and Tactics Trainers (WTTs), Full Mission Trainers (FMTs), and associated programs. HQ PACAF/DOT will establish standards, tasks, and formal training requirements for operations training systems.

1.4.4.2. (Added) OG/CC Responsibilities (may be delegated):

1.4.4.2.1. (Added) PACAF OG/CCs submit requested ATD changes.

1.4.4.2.2. (Added) Attend the Simulator Configuration Working Group (SCWG) if able. (OG/CC representative)

1.4.4.2.3. (Added) As delegated to the OSS/CC, appoint and direct unit POs and QARs. The PO will be the on-site government, single point of contact to work with the support contractor. The PO and QAR will ensure assigned systems are operated and maintained IAW the contract and that the Government also fulfills its contract responsibility. The TQAE/QAE will be the single point of contact to work with the CAT support contractors. Unit OG/CCs will ensure a Point of Contact (POC) and a System Administrator (SYS AD) or equivalent at those locations with ATDs which do not have a PO/QAR (Quality Assurance Representative) and notify PACAF/DOT of appointees.

1.4.4.2.4. (Added) Notify HQ PACAF/DOT by telecom, or email, when assigned ATD is not mission capable for more than 24 hours.

1.4.4.2.5. (Added) Commanders at all levels identify, document, and track training requirements. They determine the priorities for training requirements at their level and systematically address shortfalls in resources to support those requirements.

1.4.4.2.6. (Added) Training needs and deficiencies are to be identified to HQ PACAF/DOT who is responsible for forwarding and conveying the information to HQ ACC/DO/DR, who in turn will budget for support. Requirements not addressed by current resources should be forwarded through the Chain of Command from the squadron level to the Lead Command for every system. Units are to provide PACAF/DOTT with an information copy of the AF Form 4026.

1.5.3.1. (Added) Visit requests will be IAW AFI 36-2248 or with locally developed SOPs and specific contract requirements of the applicable ATD contract with an info copy to HQ PACAF/DOT.

2.1.1. (Added) **Operations and Support Funding.** LCs (Lead Commands) and UCs (User Commands) shall provide funding for their Training System operating and support costs. This includes organic and contracted logistics support, instruction, and other training services. Whether provided for during an initial period in conjunction with an acquisition program, or through a follow-on sustainment program, the TSM (Training System Manager) responsible for Training Systems operation and support shall coordinate with the LCs, UCs, and the prime mission system program managers (if not the same as the TSM) to plan, program, and budget for the required funding.

2.7.1.1. (Added) HQ PACAF/DOT will function as the OPR for PACAF assigned ATDs and will oversee weapon systems configurations.

2.7.2.1. (Added) Unique ATD acquisitions and modifications operational concepts for which there was no previously validated need will be established/formulated by HQ PACAF/DOT and forwarded to the Lead Command/Single Manager for approval, HQ ACC/DRS.

2.7.3.1. (Added) HQ PACAF/DOT delegates to the appropriate wing commander and/or OG/CC or the delegated POC.

2.7.4.1. (Added) Funding support for ACC personnel TDY to PACAF to support unique requirements will be provided by HQ PACAF/DOT, if available.

2.8.2.1. (Added) PACAF units will submit requested ATD changes to HQ PACAF/DOT. All anticipated/proposed ATD modifications, training requirements, software concerns, and budget issues will be forwarded through HQ PACAF/DOT to the appropriate HQ ACC organization/PACAF unit, as appropriate.

2.8.4. Notify PACAF/DOT of appointed POs and QARs. POs will forward signed letters of delegations for POs and QARs from DCMDE-GYOI.

2.9.7. (Added) **Modification Change Funding Process.** If the Prime Mission Equipment is being modified, Lead Commands (LC) shall fund corresponding Training System modifications. The funding shall be included in that prime mission equipment modification program to ensure training systems remain concurrent with the prime mission system. If the LC does not fund a Unit Command (UC) desired prime mission system or training system modification and the UC elects to pursue it independently with the prime mission system Project Manager (PM), then that UC is responsible for planning, programming, and budgeting activities associated with that initiative throughout the life-cycle of the prime mission system.

2.10. (Added) **Refurbishment Funding.** If training devices have deteriorated during extended periods of storage, and are then designated for reuse, the organization directing, or requesting the return to service of the device is responsible for funding the refurbishment of that device.

3.2. A request to delete ATD requirements will be forwarded to HQ PACAF/DOT who will forward to ACC/DO for consideration.

3.3.3.9. (Added) PACAF Unit Responsibility/OSS:

3.3.3.9.1. (Added) The PO/QAR is also responsible for contractor evaluations, if required, AF Form 4026 Aircrew Training Device Utilization, or other utilization/availability reports as they pertain to the applicable contracts and other documentation required by HQ PACAF/DOT.

3.3.3.9.2. (Added) Negotiate Queen Bee MOAs between PACAF/ACC for those units outside of PACAF that require use of the training devices.

3.4.1. (Added) Aircrew Simulator Training Requirements are published in the appropriate AFI 11-2 MDS-Specific Instructions. The Wing Training Officer (WTO) will:

3.4.1.1. (Added) Coordinate the development of the wing/group simulator continuation training program(s) for assigned and attached aircrew (mission ready and mission support) with squadron training personnel and with CAT contractors as applicable.

3.4.1.2. (Added) Develop a program for ATD instructor upgrade training and certification, or when a CAT contract is in place, that requirements for upgrade and training to be IAW the Statement Of Work.

3.4.1.3. (Added) Wing TQAE/SMEs will work with wing/group aircrew standardization/ evaluation and Weapon and Tactics sections to use the simulator to improve deficiencies detected by the SIMCERT program. Also, notify PO/QAR of deficiencies to pass on to the TSSC (Training System Support Center) and ACC. PO and/or QAR will be present for all SIMCERT activities.

3.4.1.4. (Added) WTOs will work with wing/group/sq weapons and tactics section to enhance quality of simulator lesson plans and training.

3.4.1.5. (Added) Ensure TQAE/SMEs for each simulator training program contains lesson plans and scenarios with specific objectives for each training mission. Design training programs to obtain the maximum aircrew mission training within the capabilities of each ATD. Emphasize lesson plan/scenario/DMO training areas that complement or enhance aircrew training as it relates to the unit's primary tasking. Where a CAT contract is in place, once training programs are developed and given over to the contractors, the TQAE/SMEs ensure contractors are maintaining lesson plans IAW the Statement of Work.

3.4.2. (Added) Conduct of Training.

3.4.2.1. (Added) Conduct simulator training under the most realistic conditions possible.

3.4.2.2. (Added) When possible, maintain crew integrity of formed crews during simulator training.

3.4.2.3. (Added) Use aircrew communication equipment and navigation facilities normally used in flight. Instructors and contract technicians should simulate ATC and ground crew personnel as required by the Statement of Work.

3.4.2.4. (Added) On instructional missions, the ATD instructor will determine when degraded operation of equipment during a mission will no longer allow effective training. After a contractor simulator technician determines the extent of maintenance difficulties, the ATD instructor determines if training should continue, an alternate mission should be used, or training should cease. The TQAE, PO or QAR should be consulted before a mission is aborted, if available. Document in the training records all cases of training under degraded simulator operations and inform the TQAE, PO or QAR of the degraded simulator performance areas. The PO has final authority when the simulator is no longer available after reasonable time is given to the contractor to resolve the deficiency.

3.6.5. (Added) Units are authorized to develop their own system of tracking deviations from scheduled ATD activities. Units will report deviation types to PACAF/DOIT via email. Units are to inform PACAF/DOIT of alterations to ATD training profiles required to meet unit specific requirements to include additional events. All units supplementing this regulation will provide a copy to HQ PACAF/DOIT.

4.3.3.26. (Added) PO/QARs will be physically located within the ATD facility.

4.3.3.27. (Added) Develop and implement a Quality Assurance Surveillance Program (QASP) and ensure the proper operation and maintenance of assigned ATDs when not provided by ACO. Maintain

QASP provided by the ACO and ensure applicability and coordinate required changes with the ACO. A copy of the QASP will be forwarded to HQ PACAF/DOTT.

4.3.3.28. (Added) Set up visitor access and control procedures and/or ensure access and control procedures are set up in accordance with applicable contract security requirements and DD Form 254.

4.3.3.29. (Added) Monitor all in-shop maintenance on ATDs. Repairable processing of ATD-peculiar assets is normally limited to physical movement within the work center. The contractor sets up awaiting-maintenance (AWM) and awaiting-parts (AWP) storage areas within the work center. The QAR ensures these items are processed for repair or IAW with contracted maintenance/quality procedures.

4.3.3.30. (Added) Approve and control ATD cannibalization actions according to Technical Order 00-20-2.

4.3.3.31. (Added) Set up procedures for severe weather warnings and/or ensure the procedures are set up within the scope of the contract.

4.3.3.32. (Added) Keep the responsible wing managers informed on ATD status.

4.3.3.33. (Added) Tells MICAP (Mission Impaired Capability Awaiting Parts) when reportable items are received, or IAW contracted maintenance procedures.

4.3.3.34. (Added) Ensure a debriefing is accomplished at the end of each mission (i.e. completion of AFTO Form 781 or IAW contracted procedures).

4.3.3.35. (Added) Ensure publications used by the aircrews are current and maintained in the ATD area (with the aid of the unit Standardization and Evaluation section). Those publications which reflect contractual obligations may be located outside the ATD facility.

4.3.3.36. (Added) Review and validate the contractor's certificate of service.

4.3.3.37. (Added) Verify status and content of the government-provided spares package on a routine basis (unless accomplished IAW contracted maintenance procedures).

5.1.2. (Added) **SIMCERT Programs.** The LC establishes training system certification requirements along with the 29th Test Squadron, Eglin AFB SIMCERT test manager, to include training tasks, criteria, and certification interval. Initial certification of training devices should be completed as soon as possible following delivery or major modifications to those systems.

5.1.3. (Added) **SIMVAL Programs.** The LC, with assistance from appropriate agencies such as the PM, UC, and product or materiel group, shall establish training system validation requirements, to include (1) a comparison of the training device's operating parameters and performance to the current intelligence assessment of a weapon system, threat and interaction between the weapon system and threat and (2) documentation of the differences and impacts. An overview of the validation requirements should be included in the STP/SAMP/HSI. Each LC SIMVAL program shall be accomplished IAW with either the MAJCOM supplements to this AFI 36-2248, or in accordance with AFI 16-1001 *Verification, Validation and Accreditation (VV&A)*. SIMVAL will be accomplished throughout the life cycle of the Training System.

5.4.3.1.1. (Added) The PACAF SIMCERT manager will be the Operations and Training officer in PACAF/DOTT. The PACAF SIMCERT officer will be responsible for duties listed in AFI 36-2248.

5.4.3.8. (Added) User Commands, to include ANG and AFRC. UCs should coordinate and align their SIMCERT program with the prime mission equipment SIMCERT program, where appropriate.

5.4.3.9. (Added) Ensure that the training devices dedicated to prime mission systems or equipment are available in time for the fielding of the parent system.

5.4.3.10. (Added) Ensure that the acquisition/modification of a Training System is assigned the same priority as that of the prime mission system.

5.4.6.5. (Added) Ensure that the Wing TQAE/SMEs/PO/QAR personnel supervise the accomplishment of the SIMCERT profile. The Project Officer/Quality Assurance Representative (PO/QAR) will be present during SIMCERT. The contractor, when possible, will be present during pre/post-mission briefing.

5.5.5.1. (Added) **SIMCERT Certification, Decertification, Recertification and Reporting.** Unit SIMCERT focal points will provide information copies of Certification, Decertification and Recertifications of ATDs to PACAF/DOT.

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