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***Flying Operations***

***WEAPONS AND TACTICS PROGRAM***

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This instruction implements AFD 11-4, *Aviation Service*. It sets forth the functional organization, duties, and specific responsibilities of the 18th Operations Support Squadron Weapons and Tactics Flight (18 OSS/OSP). It also provides guidance for the management of squadron weapons and tactics programs for the 18 WG. This publication applies to 18th Wing units at Kadena AB. This publication does not apply to the Air National Guard or US Air Force Reserve.

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**1. General.** This operations instruction provides the 18th Wing with a continuous, aggressive program to develop, document, and disseminate F-15, AWACS, GCI, KC-135, HH-60, and Space employment tactics. To accomplish this, 18 OSS/OSP will ensure tactics are sound, aircraft munitions are fully mission ready, and aircrews are adequately trained. The major elements of the Weapons and Tactics Program include ground training, flying training, maintenance liaison, tactics analysis, and intelligence.

## **2. Organization.**

2.1. 18 OSS/OSP is manned with the following positions:

2.1.1. Weapons and Tactics Flight Commander (18 OSS/OSP). Should be a graduate of the USAF F-15 Weapons Instructor Course and maintain mission-ready status. Reports to 18 OSS/CC.

2.1.2. Chief, F-15 Tactics (18 OSS/OSPF). Should be a graduate of the USAF F-15 Weapons Instructor Course, but may be filled by a highly qualified F-15 pilot. Reports to 18 OSS/OSP.

2.1.3. Chief, Command and Control (C<sup>2</sup>) Tactics (18 OSS/OSPC). Should be a graduate of the USAF CCO Weapons Instructor Course, but may be a highly qualified Air Battle Manager (ABM). Reports to 18 OSS/OSP.

2.1.4. Chief of JTIDS/FDL Cell (Joint Tactical Information Distribution System/Fighter Data Link), (18 OSS/OSPJ). Should be an ABM qualified in JTIDS 101, MAJIC, ND&SM and JICO. Reports to 18 OSS/OSP.

2.1.5. Chief, Tanker Tactics (18 OSS/OSPT). Should be a rated instructor and graduate of the KC-135R Combat Employment School (CES) or AMC Combat Aircrew Tactics Training course (CATT). Reports to 18 OSS/OSP.

2.1.6. HH-60 Tactics Officer (18 OSS/OSPH). Should be a graduate of the USAF HH-60 Weapons Instructor Course, but may be a highly qualified HH-60 instructor pilot. Reports to 18 OSS/OSP.

2.1.7. Space Weapons and Tactics Officer (18 OSS/OSPS). Should be a graduate of the USAF Space Weapons Instructor Course. Reports to 18 OSS/OSP.

2.1.8. DACT Officer (18 OSS/OSPD). A highly qualified F-15 pilot. Attached to 18 OSS/OSP.

2.1.9. F-15 Electronic Combat Pilot (ECP) (18 OSS/OSPE). Should be a graduate of the USAF Fighter Electronic Combat Officer Course (FECOC). Reports to 18 OSS/OSP.

2.1.10. F-15 Weapons Officer (18 OSS/OSPW). A highly qualified F-15 pilot. Reports to 18 OSS/OSP.

2.1.11. Information Manager (18 OSS/OSPA). Reports to 18 OSS/OSP.

## **3. Administration.**

3.1. The 18 OSS Weapons and Tactics flight will:

3.1.1. Maintain thorough knowledge of the current threat within contingency areas. Provide close cooperation between the Weapons/Tactics and Intelligence functions to effectively accomplish the mission of both functions while maximizing synergistic benefits.

- 3.1.2. Assess the wing's capability to accomplish its assigned mission within the contingency area. Document deficiencies in training/tactics that may inhibit mission accomplishment and cannot be corrected at the unit level.
  - 3.1.3. Coordinate and schedule appropriate aircrew for attendance at formal courses including Fighter Electronic Combat Officers Course (FECOC), Combat Air Platform Employment Seminar (CAPES), Hughes AMRAAM School, Joint Airpower Commanders Syllabus (JACS), and Joint Doctrine Air Campaign Course (JDACC). Squadrons will provide nominees to 18 OSS/OSP prior to nomination cutoff dates. Course schedules for FECOC, CAPES, AMRAAM, and JACS can be found on the PACAF/DOTW web site.
  - 3.1.4. Coordinate and run the 18 WG Verification Program IAW the 18 WG Training Syllabus and **Attachment 18** of this instruction.
  - 3.1.5. Maintain a Wing Tactics library, using those publications contained in AFI 11-415 as a guide. (Reference **Attachment 13**).
  - 3.1.6. Act as the focal point for the nomination of highly qualified 18 WG aircrew to attend the USAF Weapons Instructor Course at Nellis AFB, NV (**Attachment 17**).
  - 3.1.7. Be the OPR for the 18 WG Turkey Shoot Program.
  - 3.1.8. Represent the 18 WG at the following weapons and tactics related conferences: Avionics System Advisory Review Conference, PACAF Weapons and Tactics Conference (WTC), Far East Tactics Analysis Team (FETAT), Korean Tactics Analysis Team (KTAT), Korean Air Warriors Conference (KAWC), ITO MSN CC and the 5 AF Warriors conference.
  - 3.1.9. Develop and maintain wing tactics/employment standards manuals (18 WG F-15 Tactical Employment and Control Standards, 18 WG EMCON Manual) using AFTTP 3-1 as a reference guide. Forward copies to HQ PACAF/DOT/DOTW, 5 AF/DOO, 7 AF/DOO, 3 OG/CC, and 3 OSS/OSK.
  - 3.1.10. Attend the Aircrew Intelligence Training (AIT) review board.
- 3.2. Wing Annual Admin. The 18 OSS Weapons and Tactics Flight will complete the following annually:
- 3.2.1. Update Wing Tactical Employment Standards as required.
  - 3.2.2. Administer the 18 WG Turkey Shoot program to recognize superior weapons employment.
  - 3.2.3. Convene an annual 18 WG Weapons and Tactics Review Board to analyze significant events and intelligence data that may require changes to current tactics and training procedures. Review submitted Tactics Improvement Proposals (TIPs).
  - 3.2.4. Attend the Far East Tactics Analysis Team (FETAT) and Korean Tactic Analysis Team (KTAT) conferences (Nov/Dec).
  - 3.2.5. Attend AFTTP 3-1 and 3-3 rewrite conferences for the following: AFTTP 3-1/3-3.4 (F-15C), AFTTP 3-1.15 (AWACS), AFTTP 3-1.22 (KC-10/135), AFTTP 3-1/3-3.24 (HH-60G), AFTTP 3-1.26 (TACS), AFTTP 3-1.28 (Space), AFTTP 3-1.36 (Information Warfare). These rewrite conferences are usually held bi-annually.
  - 3.2.6. Develop and administer an annual Weapons and Tactics Test.

3.3. Wing Semi-Annual Admin. The 18 OSS Weapons and Tactics Flight will complete the following semi-annually:

- 3.3.1. Monitor squadron administration of Weapons Academics Training IAW AFI 11-2MDS Vol 1. Maintain applicable lesson plans and ensure availability to each squadron.
- 3.3.2. Solicit and coordinate 18 WG USAF WIC nominations. Forward nomination packages to HQ PACAF IAW [Attachment 17](#) and MAJCOM timelines.
- 3.3.3. Solicit and coordinate 18 WG nominations for the ACC-sponsored Advanced Weapons Director Course (AWDC). This course is open to non-commissioned officer Weapons Directors of Air Force Specialties 1A4X1D and 1C5X1D. Forward nomination packages IAW the AWDC announcement message.
- 3.3.4. Conduct 18 OSS Weapons and Tactics Self Inspection (Mar/Sep).
- 3.3.5. Publish and distribute "Samurai" Weapons and Tactics newsletter.
- 3.3.6. Coordinate and publish 6-month Wing WATT academic schedule.
- 3.3.7. Review WRM inventory at Kadena and Collocated Operating Base (COB).

3.4. Wing Quarterly Admin. The 18 OSS Weapons and Tactics Flight will complete the following every quarter:

- 3.4.1. Review status of wing Tactics Improvement Proposals (TIPs).
- 3.4.2. Attend quarterly Stan/Eval Review Board (SERB).
- 3.4.3. Confirm Wing IRRE/CERE exercises for the quarter and prepare as required.

3.5. Wing Monthly Admin. The 18 OSS Weapons and Tactics Flight will complete the following every month:

- 3.5.1. Act as a liaison between operations and maintenance for all matters pertaining to F-15 weapons employment. Document deficiencies which cannot be corrected at wing level and submit in writing to higher headquarters, problem statements plus recommended corrective actions.
- 3.5.2. Coordinate with squadrons for verification schedule.
- 3.5.3. Review monthly wing munitions expenditures report.

#### **4. Responsibilities.**

4.1. The 18 OSS Weapons and Tactics Flight Commander will:

- 4.1.1. Establish and lead the 18 OSS Weapons and Tactics Flight in accordance with Higher Headquarters Instructions, local directives, and 18 OG/CC guidance.
- 4.1.2. Assess the capability of the wing to perform assigned and contingency missions with available resources employing prescribed tactics. Brief the 18 OG/CC and the 18 WG/CC, as required, on measures of combat capability.
- 4.1.3. Manage 18 OSS/OSP participation in contingency planning and operations as a member of the crisis support staff (CSS) and Chief of the Mission Planning Cell (MPC).

4.1.4. Conduct random staff assistance visits to each squadron. Notify squadron tactics organizations (through their commander) in advance of date/time. Consolidate inputs from these visits; write a staff assistance after-action report; and distribute findings, lessons learned or recommendations to the appropriate squadrons.

4.1.5. Act as the focal point for 18 WG nominations to attend the USAF Weapons Instructor Courses (**Attachment 17**), the Advanced Weapons Director Course, the KC-135R Combat Employment School, and the AMC Combat Aircrew Tactics Training course.

4.1.6. Convene squadron weapons and tactics officer meetings as needed to discuss the status of on-going tactics programs, disseminate weapons and tactics information, and discuss initiatives to improve 18 WG combat capability.

4.1.7. Ensure required reports are submitted and processed. Reports are listed in **Attachment 6**.

4.1.8. Solicit and forward inputs on desired changes and recommendations for AFTTP 3-1/3-3 volumes that are applicable to 18 WG employment. Changes, recommendations, and draft material should arrive at HQ PACAF NLT 1 month prior to volume review. The AFTTP Rewrite Conference Schedule can be found on the AFTTP Web Page of the AWFC web site at <http://www.nellis.af.smil.mil>.

4.1.8.1. AFTTP 3-1.1: *General Planning and Employment Considerations* (OPR: 18 OSS/OSP).

4.1.8.2. AFTTP 3-1.2: *Threat Reference Guide and Countertactics* (OPR: 18 OSS/IN).

4.1.8.3. AFTTP 3-1.4: *Tactical Employment - F-15C* (OPR: 18 OSS/OSPF).

4.1.8.4. AFTTP 3-1.15: *Tactical Employment - AWACS* (OPR: 18 OSS/OSPC).

4.1.8.5. AFTTP 3-1.22: *Tactical Employment - KC-10/KC-135* (OPR: 18 OSS/OSPT).

4.1.8.6. AFTTP 3-1.24: *Tactical Employment - HH-60* (OPR: 18 OSS/OSPH).

4.1.8.7. AFTTP 3-1.26: *Theater Air Control Systems* (OPR: 18 OSS/OSPC).

4.1.8.8. AFTTP 3-1.28: *Tactical Employment - Space* (OPR: 18 OSS/OSPS).

4.1.8.9. AFTTP 3-3.4: *Combat Aircraft Fundamentals F-15* (OPR: 18 OSS/OSPF).

4.1.8.10. AFTTP 3-3.24: *Combat Aircraft Fundamentals HH-60G* (OPR: 18 OSS/OSPH).

4.2. Chief, F-15 Tactics will:

4.2.1. Maintain familiarity with the current threat within contingency areas. Provide close cooperation between the weapons and tactics and intelligence functions to effectively accomplish the mission of both flights.

4.2.2. Maintain a liaison with the following wing level functions for the purpose of optimizing training opportunities (for tactics employment) and evaluating aircrew member ability to perform assigned mission: *Standardization and Evaluation, Scheduling, Training, Intelligence, Plans, and Exercises*.

4.2.3. Integrate F-15, KC-135, GCI/AWACS and HH-60 in wing exercise/training and enhance wing training, analysis, and correction procedures.

- 4.2.4. Monitor squadron administration of Weapons Academics Training IAW appropriate aircraft/mission system regulations.
  - 4.2.5. Administer the 18 WG Turkey Shoot competition on a repetitive basis ([Attachment 3](#)). Profiles will change according to mission emphasis, i.e., force protection, area defense, point defense, pure sweep profiles or Combat Search and Rescue.
  - 4.2.6. Develop a unit tactics/employment standards manual (*F-15 Tactical Employment & Control Standards*) using AFTTP 3-1 as a reference guide. Forward copies to HQ PACAF/DOT/ DOTW, 5 AF/DOO, 7 AF/DOO, 3 OG/CC, and 3 OSS/OSP.
  - 4.2.7. Review and disseminate weapons and tactics information to squadron tactics organizations.
  - 4.2.8. Plan and coordinate visits from the 57 WG (USAF Weapons School instructors and 422 TES instructors).
  - 4.2.9. Be a member of the mission planning cell. Break out the FRAG (ATO/ITO), coordinate flight plans and mission changes, and provide detailed mission briefings to fighter crewmembers in support of contingency operations.
- 4.3. Chief, Command and Control (C<sup>2</sup>) Tactics will:
- 4.3.1. Act as a focal point for 18 WG in the areas of tactics development, planning, and execution for both training and combat.
  - 4.3.2. Maintain a liaison with standardization and evaluation, scheduling, training, intelligence, plans, and exercises at both the unit and wing level for the purpose of optimizing tactics in command and control employment.
  - 4.3.3. Coordinate the nomination process for air battle manager (ABM) and weapons director (WD) candidates for the Weapons Instructor Course (WIC), Advanced Weapons Director School (AWDS), and other formal schools/programs for ABMs and WDs.
  - 4.3.4. Plan and coordinate C<sup>2</sup> and each air control unit's participation in local operational readiness exercises (LORE), Turkey Shoot competitions, William Tell, and other integrated exercises and events.
  - 4.3.5. Develop and implement cross training programs/events between air control units to inspire cohesion and unity (Fighter Liaison Program, verification briefs, etc.). (OCR: OSPF/OSPT)
  - 4.3.6. Conduct Semiannual/Annual (as required) Staff Assist Visits with the tactics organizations of each air control unit to help assess their Weapons and Tactics programs. Help assess the unit's ability to meet potential wartime tasking (combat capability).
  - 4.3.7. Act as a focal point for the air control units in updating/revising tactics employment manuals and operating instructions related to C<sup>2</sup>.
  - 4.3.8. Oversee each air control unit's participation in the Wing Weapons and Tactics Academic Training (WATT) Program ([Attachment 2](#)).
  - 4.3.9. Represent the 18 WG on C<sup>2</sup> employment issues at theater level conferences (PACAF Tactics Conference, Korean Air Warrior Conference, etc.).
  - 4.3.10. Be a member of the mission planning cell. Help plan, coordinate, and execute C<sup>2</sup> employment concepts IAW OPLANS and HHQ directives. Augment the primary system's crews

(AWACS, BADGE, or CRE) and help indoctrinate augmenting personnel, assess combat capability, and make recommendations to wing leadership on C<sup>2</sup> resource allocation to enhance combat effectiveness.

4.3.11. Coordinate with applicable support agencies such as 82 RS and 390 IS to ensure effective integration of C<sup>2</sup> objectives.

4.4. Chief, JTIDS/FDL Cell will:

4.4.1. Be responsible for the technical planning and management of TADIL-J.

4.4.2. Write, edit, and publish the OPTASKLINK message.

4.4.3. Select a network design from the JTIDS Network Library (JNL) and, in the OPTASKLINK, specifies parameters for a network that will optimally satisfy requirements.

4.4.4. Assign functional network roles, such as Network Time Reference (NTR), Initial Entry JTIDS Unit (IEJU), Navigation Controller (NC), Secondary NC (SNC), Position References (PRs), and Primary Users.

4.4.5. Act as a focal point for 18 WG in the areas of Tactical Digital Information Links (TADIL) in the areas of tactics development, planning, and execution for both training and combat.

4.4.6. Manage squadron JTIDS representative program and provide a lessons learned database.

4.4.7. Monitor and ensure that the network complies with US/Japanese SOP on JTIDS transmissions.

4.4.8. Coordinate the TADIL-J initialization and connectivity process for the local Okinawa area. Be familiar with other MDS Data Terminal Sets (DTS).

4.4.9. Ensure the compliance with required Interference Protection Features (IPF) and the Time Slot Duty Factor (TSDF).

4.4.10. Maintain a liaison with squadron representatives and other military services in the local Okinawan area, scheduling, training, plans, and exercises at both the unit and wing level for the purpose of optimizing network connectivity.

4.4.11. Manage crypto variables in coordination with unit Crypto Managers.

4.4.12. Evaluate TADIL-J performances, request transmission approval, and coordinate with 621 ACS.

4.4.13. Represent the 18 WG on JTIDS network issues at working group conferences (CONUS, Japan, and Korea, etc).

4.4.14. Participate as a member of the Mission Planning Cell.

4.5. Chief, Tanker Tactics will:

4.5.1. Maintain familiarity with the current threat within contingency areas.

4.5.2. Ensure 18 WG contingency plans utilize sound tactical employment principles. Coordinate changes to contingency operations through the Contingency Plans section (18 OSS/OSX).

4.5.3. Maintain a liaison with the following wing level functions for the purpose of optimizing training opportunities (for tactical employment) and evaluating aircrew member ability to perform



assigned mission: Standardization and Evaluation, Scheduling, Training, Intelligence, Plans and Exercises.

4.5.4. Coordinate inputs, brief areas of concern, and supply expertise for 18 WG TRB.

4.5.5. Act as the primary Tactical Deception Focal Point Officer.

4.5.6. Develop, coordinate, and instruct the lesson plan for the 909 ARS Conventional Verification. Coordinate tanker participation in the 18 OG Composite Verification Program (**Attachment 18**).

4.5.7. Ensure crewmembers are ready to brief procedures, requirements, and duties of their respective crew specialty during all phases of the unit's conventional tasking.

4.5.8. Develop and instruct an Aircrew Training Device (ATD) profile concentrating on contingency crew coordination and tactical maneuvers to defeat theater threats.

4.5.9. Be a member of the mission planning cell. Break out the FRAG (ATO/ITO), coordinate flight plans and mission changes, and provide detailed mission briefings to tanker crewmembers in support of contingency operations.

4.5.10. Develop and administer the KC-135 portion of the 18 WG Turkey Shoot. Provide aircrews with competition routing, grading criteria, and air refueling coordination.

4.5.11. Coordinate and monitor cross training between the F-15, AWACS/GCI, HH-60 and KC-135 communities. Identify any integration and training problems and develop solutions.

4.5.12. Act as primary tactics program manager for the 909 ARS and perform the duties outlined in paragraph **4.13**. when the tanker squadron tactics office is unfilled.

4.6. F-15 Weapons Officer will:

4.6.1. Act as liaison between operations and logistics for all matters relating to wing F-15 aircraft, tactical systems/weapons, and expendables.

4.6.2. Identify and analyze deficiencies in equipment/procedures which may impact on mission accomplishment. Document any deficiencies which cannot be corrected at unit level and submit, in writing to HHQ, problem statements and recommended corrective action for these deficiencies.

4.6.3. Monitor levels of VTR equipment, 20MM TP, and chaff and flares available to the wing.

4.6.4. Coordinate on AFTTP 3-1 standard Shot and Kill Criteria to ensure they reflect applicable technical orders and Combat Archer findings. Report to HQ PACAF/DOTW, as appropriate.

4.6.5. Monitor 18 WG F-15 training configurations (**Attachment 4**).

4.7. Electronic Attack/Electronic Protection Officer (ECP) will:

4.7.1. Be the focal point for all 18 OG Electronic Combat (EC) related issues and the EC expert for the wing. Knowledge will include a thorough understanding of F-15 EA and EP capabilities.

4.7.2. Coordinate EC related subjects taught in the wing academics program.

4.7.3. Coordinate with squadron ECPs to include EC training in the squadron training plan.

4.7.4. Procure and distribute wing EC assets to the squadrons and ensure they are used for EC flight training.

- 4.7.5. Ensure squadron ECPs monitor both pilot and equipment performance during EC training events and work with them to correct any deficiencies to maximize wing mission capability.
  - 4.7.6. Be the Maintenance Liaison for all EC related on board systems including, but not limited to: ICS, EWWS, IFF, Mode 4, CMD, RWR, Link-16/FDL and EC pods.
  - 4.7.7. Be the liaison between the squadrons and the munitions shop and keep accurate records of bullet, chaff, and flare expenditures. A report will also be submitted each month updating the current inventory of expendables. This report will be sent to each squadron ECP as well as the 18 OSS/CC and 18 OG/CC.
  - 4.7.8. Coordinate with the 18 MUNS to ensure each squadron receives its annual allotment of expendables and uses that allotment. Prepare for 18 WG Out of Cycle allocations NLT March to maximize training expenditures.
  - 4.7.9. Be the POC for all Serene Byte/Pacer Ware messages.
  - 4.7.10. Be the primary POC for all F-15 avionics related systems. Coordinate with maintenance to ensure that all systems are reliable, note any deficiencies, and fix any problems.
  - 4.7.11. Work closely with the two F-15 squadron ECPs to ensure the wing the best possible EC capability. The ECP will hold monthly meetings with the squadron ECPs to discuss current events, system upgrades, training opportunities, etc, and will ensure that minutes are recorded.
  - 4.7.12. Maintain a reference file of EC weapons and tactics related regulations, manuals and instructional and/or informative documents available for wing use.
  - 4.7.13. Review all incoming EC related publications, bulletins and reports and disseminate the appropriate information to the squadron ECPs.
  - 4.7.14. Provide an EC simulator scenario for the wing pilots to use.
  - 4.7.15. Ensure that the squadrons ECPs are providing the wing ECP with feedback on the squadrons' EC strengths and weaknesses and trends regarding pilot and weapons system capabilities.
  - 4.7.16. Coordinate with 18 OSS/OSPD and appropriate units/off-island support to facilitate EA/EP training for all units to include AWACS/GCI.
- 4.8. DACT Officer will:
- 4.8.1. Conduct the 18 WG DACT Program. Work in conjunction with 18 OSS/OSX/OSO in coordinating all DACT (flown in the local area) between the 18 WG and other US and allied units. Coordinate/provide for the provision of a host unit and project officer to assist with arrangements for adversary units ([Attachment 8](#), [Attachment 9](#), and [Attachment 10](#)).
  - 4.8.2. Coordinate with CVI, OSX, and OSP to provide DACT assets in wing exercises and daily training.
  - 4.8.3. Coordinate with 18 OSS/OSPE and appropriate units/off-island support to facilitate EA/EP training for all units to include AWACS/GCI.
- 4.9. HH-60 Tactics Officer will:
- 4.9.1. Act as the focal point in the 18 OSS for helicopter related issues including tactics development, planning and execution for training and combat.

- 4.9.2. Identify cross training opportunities with other 18 OG assets. Coordinate with OSPC, OSPF, and OSPT.
- 4.9.3. Coordinate the nomination process for HH-60 candidates for the USAFWS Weapons Instructor Course.
- 4.9.4. Plan and coordinate the 33 RQS participation in LOREs, Turkey Shoot competitions, and other integrated exercises and events.
- 4.9.5. Be the POC for inputs and updates for AFTTP 3-1.24 and AFTTP 3-3.24.
- 4.9.6. Represent the 18 WG on HH-60 issues at theater level conferences.
- 4.9.7. Participate as a member of the Mission Planning Cell.
- 4.9.8. Maintain familiarity with the current threat within contingency areas. Identify LIMFACS and shortfalls and tactical/hardware solutions to those issues.
- 4.9.9. Monitor levels of HH-60 7.62 ammunition and HH-60 chaff and flares available to the wing.
- 4.10. Space Weapons and Tactics Officer (SWO) will:
  - 4.10.1. Act as the 18 WG focal point for all space-related issues including training, tactics development, exercise support, mission planning and liaison with the space community.
  - 4.10.2. Mission plan and fly on a recurring basis.
  - 4.10.3. Provide space-related training to all applicable 18 WG and associate units.
  - 4.10.4. Be a member of the Mission Planning Cell and assist other planners on incorporation of space-related information and capabilities.
  - 4.10.5. Work with 18 WG/IGI and Exercise Evaluation Team members to develop scenarios that improve the wing's understanding and use of space systems and information.
  - 4.10.6. Participate in the Tactics Review Board (TRB) process.
  - 4.10.7. Be the wing POC for inputs and updates to AFTTP 3-1.28.
  - 4.10.8. Support the Composite Verification Board. ([Attachment 14](#)).
  - 4.10.9. Enroll in the Mission Essential Ground Personnel program including issuance of aeronautical orders. Also the SWO will need to maintain a 9C flight physical, receive medical care from Aerospace Medicine, and maintain a current 5-year altitude chamber card from Physiological Training. Appropriate additional training (e.g. hanging harness and egress training) will be accomplished with appropriate units and will be tracked on AFORMS.
  - 4.10.10. Maintain a Top Secret/SCI clearance and other appropriate clearances to participate in mission planning.
  - 4.10.11. Maintain mobility status. The SWO may deploy to support contingencies and exercises.
  - 4.10.12. Develop and track a self-study training program to maintain currency on space operations.
  - 4.10.13. Edit and publish the 18 WG Weapons and Tactics Bulletin (The Samurai).

4.11. Fighter Squadron Chief of Weapons and Tactics. The Chief of Squadron DOW should be a graduate of the Weapons School, Weapons Instructor Course and should:

- 4.11.1. Maintain a thorough knowledge of the threat and assess the unit's capability to perform assigned mission tasking.
- 4.11.2. Assure timely dissemination of appropriate tactics-related information to assigned pilots.
- 4.11.3. Maintain a unit tactics library ([Attachment 13](#)).
- 4.11.4. Maintain familiarity with the contents of AFTTP 3-1/3-3 that are pertinent to the unit mission.
- 4.11.5. Administer the Weapons and Tactics Academic Training Program for the unit.
- 4.11.6. Act as unit liaison between the squadron and flight-line maintenance to ensure 8 mm video recording systems are adequate to meet mission needs. Ensure unit pilots and supervisors review tapes in a timely manner.
- 4.11.7. Document unit Combat Archer/WSEP participation and track unit assigned and attached pilot accomplishments and requirements IAW appropriate training regulations.
- 4.11.8. Act as a liaison between operations and maintenance activities to identify and analyze deficiencies in equipment and procedures which may inhibit mission accomplishment.
- 4.11.9. Act as unit focal point for participation in 18 WG Weapons Effectiveness Programs and Turkey Shoot competitions. Provide guidance on the selection of pilots to participate in the Turkey Shoot competitions and forward their names IAW [Attachment 3](#) prior to competition start.
- 4.11.10. Serve as the unit focal point for mission planning in conjunction with actual contingency plans, FRAGs, exercises, and inspections. Serve as the unit focal point for recommended scheduling of pilots during tactics-related upgrade programs (both ground and flying related).
- 4.11.11. Act as focal point for DACT ([Attachment 8](#)).
- 4.11.12. Conduct a unit Electronic Combat program to include adequate training, sorties, academics, and emphasis to ensure squadron combat capability in an electronic combat environment.
- 4.11.13. Appoint a GCI liaison officer to assist in the development and maintenance of the Fighter Liaison Program. Inspire and promote a sense of cohesion and unity between 18 WG F-15 pilots and Air Weapons Controllers.
- 4.11.14. Maintain an active program to promote the conduct of mission briefings and debriefings with Air Weapons Controllers. Maintain an active feedback program with the Space Weapons and Tactics Officer, tanker and rescue crews.
- 4.11.15. Develop programs and inspire participation in cross-training events between various platforms in the 18th Operations Group ([Attachment 12](#)).
- 4.11.16. Serve as the unit-level focal point for tactical deception planning and implementation as directed by HQ PACAF/DOIO.
- 4.11.17. Coordinate with Stan/Eval Division on tactical operations, techniques, maneuvers, concepts, and deficiencies noted on unit evaluations.
- 4.11.18. Provide expertise for the TRB.

- 4.11.19. Maintain flying/instructor currency and training levels.
- 4.12. Air Control Unit Chief of Weapons and Tactics. The Chief of Weapons and Tactics should be a graduate of the USAF Weapons Instructor Course and will:
- 4.12.1. Maintain a thorough knowledge of potential combat tasking, the threat, and specific theater command and control capabilities and limitations. Assess the unit's capability to perform assigned mission tasking.
  - 4.12.2. Assure timely dissemination of appropriate tactics-related information to unit personnel.
  - 4.12.3. Maintain a unit tactics library (**Attachment 13**).
  - 4.12.4. Maintain familiarity with the contents of AFTTP 3-1/3-3 that are pertinent to the unit mission.
  - 4.12.5. Administer the Weapons and Tactics Academic Training Program for the unit. Ensure all mission ready squadron crewmembers receive the required semiannual Weapons Academic Training (**Attachment 2**).
  - 4.12.6. Ensure maximum use of available video and audio recording equipment during missions for use during instruction, mission reconstruction, and debriefing.
  - 4.12.7. Act as unit focal point for participation in the 18 WG Turkey Shoot Competitions. Provide guidance on the selection of C<sup>2</sup> teams to participate in the competition and forward their names to 18 OSS/OSP prior to competition start. Coordinate with the other control unit and 18 OSS/OSPC to establish a panel of judges to evaluate the C<sup>2</sup> portion of the competition.
  - 4.12.8. Serve as the unit focal point on all facets of the unit mission planning in conjunction with actual contingency plans, FRAGs, exercises, and inspections. Serve as the unit focal point for recommended scheduling of controllers during tactics related ground and flying training and/or upgrade programs.
  - 4.12.9. Act as focal point or coordinate with the appropriate office for the deployment of unit personnel in support of 18 WG deployments and exercises.
  - 4.12.10. Conduct a unit EC Program to include adequate training, academics, and emphasis, as applicable, to ensure squadron combat capability in an EC environment.
  - 4.12.11. Appoint ABMs/WDs to the Fighter Liaison Program. Inspire and promote a sense of cohesion and unity between 18 WG F-15 pilots and controllers.
  - 4.12.12. Maintain an active program to promote the conduct of mission briefings and debriefings with F-15 pilots, tanker, rescue crews, and the Space Weapons and Tactics Officer.
  - 4.12.13. Develop programs and inspire participation in cross-training events between various platforms in the 18 OG (**Attachment 12**).
  - 4.12.14. Serve as the unit-level focal point for TD planning and implementation as directed by HQ PACAF/DOIO.
  - 4.12.15. Coordinate with Stan Eval Division on tactical operations, techniques, maneuvers, concepts, and deficiencies noted on unit evaluations.

- 4.12.16. Conduct an annual unit-level Tactics Review Board/Panel (TRB) in accordance with the requirements and timing in AFI 99-150 (formerly MCI 11-290). Provide representation and expertise for the wing-level TRB.
- 4.12.17. Maintain flying/instructor currency and training levels.
- 4.12.18. Be the unit focal point for inputs to Oplans, C<sup>2</sup> issues, etc.
- 4.13. Tanker Squadron Chief of Tactics. Should be a rated instructor and graduate of AMC Combat Aircrew Tactics Training course (CATT) or KC-135R Combat Employment School (CES) and will:
- 4.13.1. Assist the unit commander in ensuring assigned air crews are familiar with the unit mission(s), unit tasking, enemy threat, and combat environment.
- 4.13.2. Assist in determining the unit combat capability. Report and document any tactics training, equipment, support, or tactics deficiencies to 18 OSS/OSP. The documentation will be IAW this regulation or part of the TRB.
- 4.13.3. Provide expertise for operational and training exercises and Higher Headquarters Directed (HHD) scenarios to ensure they are based upon sound aircraft tactics, techniques, or procedures. Review effectiveness of tactics performed on HHD missions and submit comments or recommendations to the TRB.
- 4.13.4. Distribute tactics-related course outlines, lesson plans, and training material. Conduct a threat training program.
- 4.13.5. Instruct and interpret concepts, tactics, techniques, procedures, maneuvers, and threat capabilities.
- 4.13.6. Coordinate with and maintain a close working relationship with the unit intelligence personnel. Develop a program to familiarize them with the unit mission and aircraft-specific tactics.
- 4.13.7. Determine CATT course attendees. Coordinate course attendees with HQ PACAF and HQ AMC.
- 4.13.8. Develop programs and inspire participation in cross-training events between various platforms in the 18 OG ([Attachment 12](#)).
- 4.13.9. Coordinate with Stan/Eval Division on tactical operations, techniques, maneuvers, concepts, and deficiencies noted on unit evaluations.
- 4.13.10. Maintain an active program to promote the conduct of mission briefings and debriefings with Air Weapons Controllers. Maintain an active feedback program with the SWO, and fighter crews.
- 4.13.11. Provide expertise for the TRB.
- 4.13.12. Develop planning documents, EC employment guidance, and tactics in support of unit tasking.
- 4.13.13. Maintain flying/instructor currency and training levels.
- 4.14. Rescue Squadron Chief of Tactics. The Chief of DOW should be a graduate of the USAFWS Weapons Instructor Course and should:

- 4.14.1. Maintain a thorough knowledge of the threat and assess the unit's capability to perform assigned mission tasking.
- 4.14.2. Assure timely dissemination of appropriate tactics-related information to assigned rescue crews.
- 4.14.3. Maintain a unit tactics library ([Attachment 13](#)).
- 4.14.4. Maintain familiarity with the contents of AFTTP 3-1 that are pertinent to the unit mission.
- 4.14.5. Administer Weapons and Tactics academic training for the unit.
- 4.14.6. Act as a liaison between operations and maintenance activities to identify and analyze deficiencies in equipment and procedures which may inhibit mission accomplishment.
- 4.14.7. Act as unit focal point for participation in 18 WG Turkey Shoot competitions.
- 4.14.8. Serve as the unit focal mission planning in conjunction with actual contingency plans, FRAGs, exercises, and inspections. Serve as the unit focal point for recommended scheduling of crews during tactics related ground and flying training/upgrade programs.
- 4.14.9. Develop programs and inspire participation in cross-training events between various platforms in the 18 OG ([Attachment 12](#)).
- 4.14.10. Distribute tactics-related course outlines, lesson plans, and training material. Conduct a threat training program.
- 4.14.11. Instruct and interpret concepts, tactics, techniques, procedures, maneuvers, and threat capabilities.
- 4.14.12. Coordinate with and maintain a close working relationship with the unit intelligence personnel. Develop a program to familiarize them with the unit mission and aircraft-specific tactics.
- 4.14.13. Serve as the unit-level focal point for tactical deception planning and implementation as directed by HQ PACAF/DOIO.
- 4.14.14. Coordinate with Stan/Eval Division on tactical operations, techniques, maneuvers, concepts, and deficiencies noted on unit evaluations.
- 4.14.15. Maintain an active program to promote the conduct of mission briefings and debriefings with Air Weapons Controllers. Maintain an active feedback program with the SWO, and fighter pilots.
- 4.14.16. Provide expertise for the TRB.
- 4.14.17. Maintain flying/instructor currency and training levels.

GARY L. NORTH, Brigadier General, USAF  
Commander, 18th Wing

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

AFI 11-415, *Weapons and Tactics Program*

AFI 36-2217, *Munitions Requirements for Aircrew Training* (and PACAF Supplements)

AFI 99-150, *Tactics Development Program* (in draft, formerly MCI 11-290)

18 WGI 11-401, *Orientation Flight Program*

***Abbreviations and Acronyms***

**ABM**—Air Battle Manager

**ACCR**—Air Component Command Regulation

**ACU**—Air Control Unit

**AFMSS**—Air Force Mission Support System

**AFTTP**—Air Force Tactics, Techniques, and Procedures

**AIT**—Aircrew Intelligence Training

**ASARC**—Avionics System Advisory Review Conference

**ATD**—Aircrew Training Device

**AWACS**—Airborne Warning and Control System

**AWDC**—Advanced Weapons Director Course

**BADGE**—Base Air Defense Ground Element/Equipment

**C<sup>2</sup>**—Command and Control

**CAPES**—Combat Air Platform Employment Seminar

**CATATC**—Counter Air Tactics Awareness Training Course

**CATT**—Combat Aircrew Tactics Training

**CCO**—Command and Control Operations Division

**CERE**—Combat Employment Readiness Exercise

**COB**—Collocated Operating Base

**CRE**—Control and Reporting Element

**CSS**—Crisis Support Staff

**DACT**—Dissimilar Air/Aircraft Combat Training

**EA**—Electronic Attack

**EC**—Electronic Combat



**ECP**—Electronic Combat Pilot  
**EP**—Electronic Protection  
**ES**—Electronic Warfare Support  
**EWWS**—Electronic Warfare Warning System  
**FDL**—Fighter Data Link  
**FECOC**—Fighter Electronic Combat Officers Course  
**FETAT**—Far East Tactics Analysis Team  
**FRAG**—Fragmentary Order  
**GCI**—Ground Control Intercept  
**HHD**—Higher Headquarters Directed  
**HHQ**—Higher Headquarters  
**IAW**—In Accordance With  
**ICS**—Intercommunications System  
**IFF**—Identification Friend or Foe  
**IRRE**—Initial Response Readiness Exercise  
**IS**—Intelligence Squadron  
**ITO**—Integrated Tasking Order  
**JACS**—Joint Airpower Commanders Syllabus  
**JDACC**—Joint Doctrine Air Campaign Course  
**JICO**—Joint Interface Control Officer  
**JTIDS**—Joint Tactical Information Distribution System  
**KAWC**—Korean Air Warriors Conference  
**KTAT**—Korean Tactics Analysis Team  
**LFE**—Large Force Employment  
**LIMFAC**—Limiting Factor  
**LORE**—Local Operational Readiness Exercises  
**LZ**—Landing Zone  
**MAJIC**—Multi-TADIL Advanced Joint Interoperability Course  
**MDS**—Mission Design Series  
**MUNS**—Munitions Squadron  
**ND&SM**—Network Design and System Management  
**OPTASKLINK**—Operational Tasking, LINK

**OSS**—Operations Support Squadron  
**OT&E**—Operational Test and Evaluation  
**PACAF**—Pacific Air Force  
**PACAFI**—Pacific Air Force Instruction  
**POC**—Point of Contact  
**RS**—Refueling Squadron  
**RWR**—Radar Warning Receiver  
**SERB**—Standardization/Evaluation Review Board  
**SWO**—Space Weapons and Tactics Officer  
**TADIL**—Tactical Digital Information Link  
**TD&E**—Tactics Development and Evaluation  
**TES**—Test and Evaluation Squadron  
**TFM**—Tactical Formation Maneuvering  
**TIP**—Tactics Improvement Proposal  
**TP**—Training Practice  
**TRB**—Tactics Review Board  
**USAF**—United States Air Force  
**USAFWS**—United States Air Force Weapons School  
**VTR**—Video Tape Recorder  
**WATT**—Weapons and Tactics Training  
**WD**—Weapons Director  
**WG**—Wing  
**WIC**—Weapons Instructor Course  
**WSEP**—Weapons System Evaluation Program  
**WTC**—Weapons and Tactics Conference

## Attachment 2

## WEAPONS/TACTICS ACADEMIC TRAINING

**A2.1.** The Weapons/Tactics Academic Training (WATT) program is established to help satisfy academics required by AFI 11-2MDS Volume 1 series instructions and AFI 11-415. 18 OSS/OSP is OPR.

**A2.2.** WATT consists of two levels of academic subjects, wing level and squadron level. The wing level academics will be the responsibility of 18 OSS/OSP. Squadron level academics are the responsibility of the unit weapons/tactics/training shops.

**A2.3.** 18 OSS/OSP will publish a periodic WATT plan, similar to **Table A2.1.** (sample) below. Each training period, the applicability of each topic to 18 OG units will be assessed and the training matrix will be filled in.

**Table A2.1. Sample WATT Academics Training Matrix.**

Subject/MDS	F-15	E-3/GCI	KC-135	HH-60
7 AF Pre ITO/Korean Employment Concepts	X	X	X	X
Fire Control Systems/Avionics	X			
AIM-120	X	X		
AIM-7M	X	X		
AIM-9M	X	X		
20 MM Cannon	X			
Large Force Employment	X	X		
Aircraft Capabilities	X	X	X	X
RWR	X			
EWWS/NCTR/IFF/AAI	X	X		
ICS	X	X		
KY-58/HAVE QUICK I/II	X	X	X	X
ALE-45 CMD	X			
AWACS/GCI Capabilities/Limitations	X	X	X	X
AFTTP 3-1 Controlling Standards	X	X	X	
LOWAT	X			
Space Operations	X	X	X	X

**A2.4. F-15.** The courses listed below are those required to be taught annually within the 18 WG. On a semiannual basis, each unit reports (AFORMS product) to 18 OSS/OSP reflecting weapons academic training accomplishments. Individual units are responsible for all assigned/attached aircrew academic requirements.

5 AF Pre-ITO/Soviet FEMD Operations  
7 AF Pre-ITO/Korean Employment Concepts  
Fire Control System/Avionics  
Unit-Committed Munitions - Suspension Equipment  
Unit-Committed Munitions - AIM-120  
Unit-Committed Munitions - AIM-7  
Unit-Committed Munitions - AIM-9  
Unit-Committed Munitions - 20MM Cannon  
AFTTPs 3-1/3-3 Tactical Employment  
Aircraft Capabilities  
RWR/EWWS  
Internal Countermeasures Set  
AAI/KY-58/Mode 4/Have Quick I/II  
ALE-45 CMD  
AWACS/GCI Controlling Standards and JR 55-79  
AWACS/GCI Capabilities/Limitations  
Low-Level Training  
Space Support to the Warfighter

**A2.5. AWACS/GCI, Tankers, HH-60.** The courses listed below should be used to complete academic training requirements IAW individual unit regulations. Each unit is responsible to determine the appropriate areas for instruction and ensure crewmembers are trained on a regular basis. 18 OSS/OSP will assist as requested.

5 AF Pre-ITO/Soviet FEMD Operations  
7 AF Pre-ITO/Korean Employment Concepts  
KY-58 and Have Quick  
AWACS Capabilities/Limitations  
Local GCI/TACS Capabilities/Limitations  
CIS IADS Tactics  
CIS Radio Electronic Combat  
Space Support to the Warfighter

**A2.6. Testing.** 18 OSS/OSP will administer a test annually prior to the end of the training cycle (August or September). The test will be a 50 question test (correctable to 100%) and will cover required academic subjects.

### Attachment 3

## 18 WING COMPETITION

### A3.1. 18 WG Top Gun Program.

A3.1.1. The 18 WG Top Gun Competition is designed to stimulate competition between fighter squadrons and provide a more visible emphasis on command and control, air-to-air refueling, helicopter, and intelligence integration within the wing. The 18 WG Top Gun Program recognizes the squadron and individuals who demonstrate the best tactical performance, weapons effectiveness and controlling ability during each quarter.

A3.1.2. The 18 WG Top Gun winners will be determined by a flying competition. At the end of a calendar quarter, each fighter squadron will submit the names of the flight lead and wingman who will represent them in the "Top Gun" fly-off. One control unit will support both fighter squadrons and will submit the names of the control team that will participate. 18 OSS/OSP will build the scenario, set objectives, and provide adversary pilots and control team for the competition. Each competing element will fight the same bandits (as much as possible), who will use the same tactics. 18 OSS/OSP will collect all the VTR tapes and review them to determine which element did the best job in meeting the scenario objectives. The winning element with their control team will be designated the 18 WG Top Guns for the quarter.

A3.1.3. Each fighter squadron may select participants based on weapons effectiveness alone or on an actual flying competition. Only wingmen may fly in the wingman position. Individuals who upgrade to flight lead during the competition quarter will be approved to fly in the wingman position by 18 OSS/OSP on an individual basis. The control team will be selected based upon an academic test given to all eligible personnel or as desired by the control units Weapons Officer/Commander.

A3.1.4. At the quarterly safety meeting, Wing Weapons Academics, or any other such meeting where the majority of the wing is present, the 18 OG/CC will recognize the Top Gun winners. At this meeting, the winners will receive a Top Gun plaque. Additionally, the winners' pictures will be matted in their squadron color and displayed in the 18 WG Top Gun display case which will be located at the Officers' Club. An engraved plate with the winners' names and their squadron will be attached as a permanent reminder of past Top Gun winners.

**A3.2. 18 WG Turkey Shoot Program.** In the spirit of gentlemanly competition and air combat, the 18 OG/CC will host periodic wing Turkey Shoots. This competition will emphasize the skills fighter aviators have honed since August 1914 and is designed to be a semiannual evaluation. The scheduling of the events will be the responsibility of 18 OSS/OSP and 18 OSS/OSO in concert with the respective squadron commanders, operations officers, and maintenance officers. The competition will include both maintenance and operations participation. The flying competition may consist of ACT/DACT, LFE, or ADX. The emphasis on these missions will be determined by the 18 OG/CC. The ACT/DACT frag and ROE will be issued to each participating flight at least 14 days in advance to allow sufficient time for flight planning. The total number of sorties and events for each Turkey Shoot will vary depending on time constraints, squadron exercise schedules, and real-world taskings. Wing Turkey Shoots may be held in conjunction with Top Gun competitions.

**Attachment 4****TRAINING CONFIGURATION POLICIES****A4.1. Training configuration for 18 WG F-15 aircraft:**

A4.1.1. AIM-7/120 Captive Missiles: Captive AIM-7/120 missiles should be carried on all training missions except as directed by the Squadron CC/DO.

A4.1.2. AIM-9 Series: A captive adapter plug/repeater cable will be installed in the LAU-128 when carrying training missiles; expect AIM-9s for all missions. AIM-9 missiles should have a minimum of 3000 lbs. of gas pressure. AIM-9-9 and older series AIM-9 CATMS should not be loaded on the same aircraft during training missions. The unit will submit a letter of request to 18 OSS/OSP if off-station carriage of the captive AIM-9 is desired (i.e., Cope Thunder, Cope North, Team Spirit, etc.).

A4.1.3. M61 Cannon: On all non-live fire training missions, the gun will be both mechanically and electronically safe prior to flight.

A4.1.4. Requests for nonstandard configurations (EA pods, external tanks, 20MM TP) must be annotated on the squadron soft-shell scheduling input to the 18 OSS.

A4.1.5. EA pods, captive missile and pylons with captive missiles will not be carted.

A4.1.6. The basic ALE-45 training configuration is one magazine of chaff (partial load) and one magazine of flares (15 MJU-7 or 6 MJU-10). Squadron ECPs are tasked to set the load according to the training plan/objectives and administer a chaff/flare training program that will provide for equitable distribution of allocated chaff and flare training munitions to all MR/MS pilots. **NOTE:** These configurations are subject to modification due to applicable -1/-34 changes or operational/safety supplement guidance.

**Attachment 5****TRAINING MUNITIONS FORECASTS FOR DEPLOYMENTS/EXERCISES SAMPLE  
LETTER****DEPARTMENT OF THE AIR FORCE  
PACIFIC AIR FORCES**

MEMORANDUM FOR 18 OSS/OSP

18 MUNS/LGW

IN TURN

FROM: xx FS/DOW

Unit xxxx

APO AP 96368-xxxx

SUBJECT: Training Munitions Forecast for TDY Deployment

1. The following training munitions are requested for exercise \_\_\_\_\_ deployment:

a. \_\_\_\_\_ AIM-9M (series missile?).

b. \_\_\_\_\_ AIM-7 captive missiles.

c. \_\_\_\_\_ AIM-120 captive missiles.



2. The ALE-45 configuration should be left side empty/chaff mods/flare mods; right side empty/chaff mods/flare mods:

a. \_\_\_\_\_ bundles of RR-170 chaff.

b. \_\_\_\_\_ units of MJU-7/10 flares.

3. Total chaff and flares required:

a. \_\_\_\_\_ bundles of RR-170.

b. \_\_\_\_\_ units of MJU-7/10 flares.

4. Remarks.

JOHN SMITH, Capt, USAF  
xx FS Chief of Tactics

## Attachment 6

## WEAPONS AND TACTICS REPORTS

**A6.1.** The following is a synopsis of all regularly scheduled reports to higher headquarters and other agencies:

**Table A6.1. Weapons and Tactics Reports.**

<b>GOVERNING DIRECTIVE</b>	<b>REPORT</b>	<b>FROM</b>	<b>TO</b>	<b>FREQUENCY</b>
AFI 99-150 (formerly MCI 11-290), PACAFDIR 90-202	Wing TRB Minutes	18 OSS/OSP	5 AF/DOO Info PACAF/ DOTW	Annually, after Wing TRB
AFI 11-415	Deficiencies in Tactics or Training	18 OSS/OSP	5 AF/DO Info PACAF/DO	As Required
AFI 11-415	Deficiencies in Maintenance Procedures and Equipment	18 OSS/OSP	5 AF/DO Info PACAF/DO	As Required
This Instruction	Turkey Shoot, LORE, and LFE After Action Reports	18 OSS/OSP	18 OG/CC and Squadrons	As Required
This Instruction	Staff Assistance Visit Reports	18 OSS/OSP	18 OG/CC and Squadrons	As Required
This Instruction	Unit Weapons and Tactics Training Plan	44 FS, 67 FS, 33 RQS, 961 AACs, 909 ARS, 623 ACF	18 OSS/OSP	Semiannually or Annually (unit option)
AFI 36-2217 & PACAF SUP 1	Unit RaFT Inputs	18 OSS/OSP	PACAF/DOTW	Annually, NLT 15 Nov
AFI 36-2217 & PACAF SUP 1	Quarterly Training Munitions Expenditure Report	18 OG/CC (18 OSS/OSP)	PACAF/DOT	Quarterly, within 14 days after the end of the quarter

**Attachment 7****WEAPONS OFFICER EXCHANGE**

**A7.1.** The 18 WG Weapons Officer Exchange Program is designed to increase the crossflow of information, tactics, and ideas between the fighter squadrons (FS) and between the air control units (ACU). The exchange encourages standardized application of tactics and fosters development of new ideas. The exchange should occur on a quarterly basis and should include 18 OSS/OSP weapons officers. 18 OSS/OSP will assist in making weapons officer exchange assignments.

**A7.2.** The FS weapons officers should exchange at the same time for a period of 1 week. During this week, they should fly three to four times. Use for upgrade, continuation, and academic training is approved and will be at the squadron commander's or operations officer's discretion.

**A7.3.** Because of the differences between control systems, the ACU's weapons officers will exchange one at a time. The weapons officer of the unit being visited will host the exchange weapons officer. The exchange weapons officer should be scheduled to instruct and control at least two missions (provided they are qualified on the host platform). Visiting exchange officers can be used to conduct upgrade, continuation, and academic training.

**A7.4.** At the end of the exchange, weapons officers will provide feedback to the operations officer of the visited squadron and 18 OSS/OSP.

**A7.5.** Additionally, F-15 weapons officers will fly with prospective weapons school candidates (see [Attachment 17](#)). 18 OSS/OSPC should identify prospective USAF Weapons Instructor Course (WIC) Command and Control Operations Division (CCO) candidates to the FS weapons officers. If possible, prospective WIC CCO candidates should be scheduled to control missions with F-15 weapons officers in the flight.

**A7.6.** Creek Exchange. Every attempt should be made to conduct periodic F-15 weapons officer/creek exchange visits. Recommend Creek exchange visit for a time period of 2 weeks due to travel time between Kadena and the US.

## Attachment 8

### DACT COORDINATION

**A8.1.** To further enhance combat capability and provide a realistic threat replication with different type aircraft, 18 OSS/OSP is charged with the responsibility of solicitation and schedule coordination of DACT assets from throughout the Pacific region. This specifically includes all USAF, USN, and USMC units in the Republic of Korea and Japan as well as allied assets (for example, JASDF).

**A8.2.** Based on squadron exercise schedules, 18 OSS/OSPD will provide the OSX a tanker bid request for the upcoming quarter. Upon return notification of tanker availability, the OSPD will notify the squadrons (to include available adversary units and AWACS) and request participation for large force exercises (LFE's). Individual squadron involvement is essential to the smooth coordination of the LFE's.

**A8.3.** All incoming DACT requests will be routed through 18 OSS/OSPD and coordinated with the 18 OSS/OSO. After reviewing the exercise schedule, the appropriate F-15 squadrons will be notified of the upcoming training assets via E-mail, telecon, or the wing schedule meetings. The equity of the DACT between Kadena squadrons will be monitored by OSOS (ref. PACAFR 60-12 Vol 2) and OSPD.

**A8.4.** Squadrons may be tasked by OSP with sponsoring a visiting unit. 18 OSS/OSPD will inform the appropriate squadron by giving amplifying information on what has been accomplished and what is required for the incoming unit.

**A8.5.** Approval of DACT between the 18 WG and all USAF/USN/USMC and all Allied forces is provided by 18 WG/CC (as per PACAFCOM). If required, 18 OSS/OSP will coordinate all required communications for approval with higher headquarters. 18 OSS/OSPD has current MOU's, LOA's, and regulations concerning DACT with Pacific region units.

**A8.6.** Required DACT after-action reporting will be forwarded to the appropriate commands by 18 OSS/OSPD. The involved squadrons will provide 18OSP/OSPD with inputs.

**A8.7.** A lessons learned/mission critique sheet will be sent out to DACT units (18 OSS/OSPD) to log/track effectiveness and quality of air superiority provided by the F-15 squadrons based at Kadena AB. Individual results will be summarized quarterly and distributed appropriately.

## Attachment 9

## SAMPLE DACT COORDINATION GUIDE

Date 31 Oct 2001 Unit/Location 36 FS/Osan 36 FS/OsanCoord: OSX 20 Oct OSOS 20 Oct FS Sqd 20 Oct 909th 20 Oct961st 21 Oct 82nd 21 Oct 623rd 21 Oct 33rd 21 OctAdversary POC - Phone Capt I. M. Redair - DSN 555-1110Number/Type Aircraft 6 x F-16Arrival/Departure Date 31 Oct/31 OctEmploy schedule dates/turns 31 Oct**Fill in as required**

DACT qualified/Upgrades \_\_\_\_\_

Training requested? DACT or DACM or DBFM

**Fill in as applicable**

ECM capability - type \_\_\_\_\_

Airspace/Ranges required Ex: W-173 W-176Tanker/GCI/AWACS requirements Ex: 1 x AWACS, 2 x KC-135

Available Fighter Squadrons (circle): 44FS 67FS

Host squadron/ POC - phone Lt: Blueair - DSN 555-0001Specific support requirements As requiredRemarks/Scenarios Requested Ex: 4 v 4 with CSAR scenario

### Attachment 10

#### DACT PROJECT OFFICER AND HOST GUIDE

**A10.1.** The following checklist provides the necessary information to act as a host officer for a DACT deployment to Kadena. 18 OSS/OSPD will advise the applicable unit of the host requirements and dates, plus provide a point of contact to the DETCO of the incoming unit. The host officer should make contact with the incoming DETCO to assist in the arrangements for the deployment.

A10.1.1. The assigned host officer should contact the 18 OSS/OSPD to determine what has been accomplished and what is required. Keep 18 OSS/OSPD informed throughout the coordination process.

A10.1.2. The project officer/host is the single point of contact within the unit for DACT related problems. Any problems that arise concerning the deployed unit's personnel or conflicts of interest should be addressed to the DETCO.

**Table A10.1. DACT Project Officer and Sample Host Guide Checklist.**

<input type="checkbox"/>	<b>Contact the DETCO to find out the following information:</b>
<input type="checkbox"/>	Number of pilots.
<input type="checkbox"/>	Total number of officers by rank.
<input type="checkbox"/>	Total number of enlisted by rank.
<input type="checkbox"/>	Line badge numbers to be provided to Security Police, 634-1435.
<input type="checkbox"/>	Number and type aircraft.
<input type="checkbox"/>	Academics/In-brief requirements.
<input type="checkbox"/>	Security clearance information (if required).
<input type="checkbox"/>	<b>Arrange for billeting through Shogun Inn 632-1101.</b>
<input type="checkbox"/>	<b>Arrange for transportation through the Transportation Squadron - 634-3845.</b>
<input type="checkbox"/>	A request and justification letter for vehicles from the squadron to the transportation office is required.
<input type="checkbox"/>	Normally, five vehicles are required for a partial deployment or eight vehicles for a full squadron deployment. This should be tailored to the specific size of the deployment.
<input type="checkbox"/>	Two step vans or pick-up trucks with trailer hitches are required for maintenance use.
<input type="checkbox"/>	Have the vehicles ready at the squadron with the keys available upon arrival of the first personnel.
<input type="checkbox"/>	<b>Coordinate with the 18 OG/CDM at 634-0498 for a maintenance liaison contact. This contact should:</b>
<input type="checkbox"/>	Determine parking area for the deployed jets.
<input type="checkbox"/>	Determine maintenance shack to be used.
<input type="checkbox"/>	Contact TMO for any airlift equip pickup.

<input type="checkbox"/>	Determine storage location for the deploying squadron's parts.
<input type="checkbox"/>	<b>Arrange for life support and personnel equipment support.</b>
<input type="checkbox"/>	<b>Coordinate with 18 OG/CC to meet with incoming DETCO and schedule outbrief for the DETCO and 18 OG/CC.</b>
<input type="checkbox"/>	<b>Coordinate with 18 OSS/OSO to share the DACT assets with the other fighter squadrons and for availability of AWACS/GCI/tanker support.</b>
<input type="checkbox"/>	<b>Provide working spaces / briefing rooms / telephones in squadron for aircrews.</b>
<input type="checkbox"/>	<b>Provide a local area brief, conducted by OGV, local area maps, and in-flight-guides for the pilots.</b>
<input type="checkbox"/>	<b>Submit a letter to the 18 OG/CC for F-15D rides, if applicable. Letter should include purpose of rides, names, and SSAN.</b>
<input type="checkbox"/>	<b>Coordinate with unit weapons and tactics division and scheduling to accomplish the following:</b>
<input type="checkbox"/>	Develop objectives, SPINS, and scenarios.
<input type="checkbox"/>	Determine CT sorties available and desired tactical structure (2v2, 4v4).
<input type="checkbox"/>	Determine upgrade requirements.
<input type="checkbox"/>	Determine academics required; coordinate with other squadrons on schedule. (NOTE: Coordinate schedule with 18 OSS prior to the weekly schedule printing. Therefore, requests should be given to wing schedules 2 weeks prior to the week being scheduled.)
<input type="checkbox"/>	<b>Schedule a "How goes it?" halfway through the deployment.</b>
<input type="checkbox"/>	<b>Arrange for a going away party/plaque presentation well in advance, publish date, time, and location.</b>
<input type="checkbox"/>	<b>Debrief with the DETCO prior to his out-brief with the 18 OG/CC.</b>
<input type="checkbox"/>	<b>Provide the DETCO with important phone numbers of key POCs at Kadena.</b>

## Attachment 11

### TACTICS REVIEW BOARD PROCESS

**A11.1. General.** Wing Weapons and Tactics will host an annual Tactics Review Board (TRB). The TRB will be chaired by the 18 WG/CC. The purpose is to analyze significant events and intelligence data that may require changes to current tactics and training programs.

**A11.2. Dates.** Annual TRBs will be conducted IAW the following timetable:

<u>NLT DATE</u>	<u>EVENT</u>	<u>OPR</u>
31 Aug	Unit level TRBs	Unit/DOW or Tactics shops
15 Oct	Wing level TRB	18 OSS/OSP

**A11.3. Topics.** The following minimum topics should be addressed at every TRB:

A11.3.1. Squadron Mission Effectiveness. Review past squadron effectiveness.

A11.3.2. Squadron and Group Training Plans.

A11.3.3. Munitions. WRM quantities and restrictions at Kadena AB and planned contingency locations. Status of wing's AFI 36-2217 training munitions account and the plan to expend all allocated training munitions.

A11.3.4. Specialized training status (weapons, missions, systems).

A11.3.5. Status of Wing Standards (classified and unclassified).

A11.3.6. Local Training LIMFACs.

A11.3.7. Current Threat Update.

A11.3.8. MDS System Roadmaps and status.

A11.3.9. Tactics Improvement Proposals (TIPs).

A11.3.10. Space Tactics Integration.

**A11.4. Attendance.** The 18 WG TRB attendance list should include:

5 AF/DO (Invite)

18 WG/CC

18 OG/CC/CD/OGV

18 OSS/CC/OSX/IN

44 FS CC/DO/DOW/DOI

67 FS CC/DO/DOW/DOI

623 ACF CC/DO/DOW

961 AACS CC/DO/DOW/DOI



33 RQS CC/DO/DOW/DOI

909 ARS CC/DO/DOW/DOI

**A11.5. Administration.** After the 18 WG TRB, 18 OSS/OSP will forward the minutes/briefings to 5 AF/DOO and PACAF/DOTW. Courtesy copy the following:

HQ PACAF/DO/DOO/ DOQ

5 AF/DO/DOO

7 AF/DO/DOO

18 WG/CC

18 OG/CC/CD/Stan Eval

18 OSS/CC/OSX/IN

3 WG CC/DO/DOW/IN

35 WG CC/DO/DOW/IN

67 FS CC/DO/DOW/DOI

81 ACS CC/DO/DOW

623 ACF CC/DO/DOW

961 AACS CC/DO/DOW/DOI

33 RQS CC/DO/DOW

909 ARS CC/DO/DOW

44 FS CC/DO/DOW/DOI

A11.5.1. Tactics Improvement Proposals (TIPs) will be forwarded to 5 AF/DOO. OSP is responsible for quality and control of 18 WG TIPs and monitoring their status through 5 AF to PACAF/DOTW.

## Attachment 12

### CROSS TRAINING

**A12.1.** 18 OSS/OSP will monitor cross training events between 18 OG operational units. The goals of cross training are to achieve increased awareness of the capabilities of the 18 OG's resources and development of increasingly better integration between F-15, AWACS/GCI, HH-60 and tanker units. Cross training can also be used to satisfy the requirements that some of the units have to conduct such events. Orientation flights will be conducted IAW 18 WGI 11-401, *Orientation Flight Program*. IAW 18 WGI 11-401, all aircrew and 623 ACF controllers assigned to the 18 WG have automatic 18 WG/CC approval to obtain familiarization flights in any 18 WG aircraft. Refer to 18 WGI 11-401 for additional guidance on familiarization flights.

**A12.2.** The following table is a partial list of cross-training events that can be conducted.

**Table A12.1. Cross-Training Events Matrix.**

Event	Eligibility
F-15D flights	AWACS/GCI crewmembers, HH-60 crewmembers
Tanker flights	F-15 pilots, AWACS/GCI/HH-60 crewmembers
F-15 simulator scenarios	AWACS/GCI crewmembers
E-3 flights	F-15 pilots, GCI/Tanker/HH-60 crewmembers
Observe GCI msn	F-15 pilots, E-3/Tanker/HH-60 crewmembers
Control on different GCI system	AWACS/GCI crewmembers
HH-60 orientation flight	F-15 pilots, AWACS/GCI/Tanker crewmembers

**A12.3.** Cross training will be conducted on a noninterference basis to the unit mission. Coordinate schedules with the respective squadron DOW/DOT and schedulers. Squadron DOW/DOT or aircraft commanders will host the cross-training visit. Individuals will provide their DOW/DOT office with the following information after each event: cross-training event, number of individuals trained, learning objectives, unit and individuals visited, basic mission description, observations, lessons learned, and recommendations.

**A12.4.** To encourage cross training between fighter pilots and controllers, the 961 AACS, and 623 ACF should attach ABMs or WDs to individual fighter squadrons periodically to reflect manning changes. In addition to scheduled cross-training events, ABMs/WDs are encouraged to attend their FS's academic and simulator training and should be scheduled to support FS deployments through 18 OSS/OPS or 18 OSS/OSX.

## Attachment 13

## UNIT WEAPONS AND TACTICS LIBRARY

**A13.1.** Units will maintain tactics libraries IAW AFI 11-415 and PACAFI 11-402. The following list is provided as a guide for establishing a unit weapons and tactics library. Publications may be maintained either hard copy (paper or CD), or cross-referenced electronically.

**A13.2.** AFTTPs can be accessed through the classified AWFC web site at [www.nellis.af.smil.mil](http://www.nellis.af.smil.mil). Test plans and reports can be accessed through the classified 53 WG web site at [www.wg53.eglin.af.smil.mil](http://www.wg53.eglin.af.smil.mil). The Air Component Command Regulations (ACCR) index can be accessed through the ACC web site located on the Osan Air Base classified web site [www.osan.af.smil.mil](http://www.osan.af.smil.mil). Rules of Engagement (ROE) are found on the PACOM web site at [www.hq.pacom.smil.mil/j0/j6](http://www.hq.pacom.smil.mil/j0/j6).

AFTTP 3-1.1: *General Planning and Employment Considerations* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.2: *Threat Reference Guide and Countertactics* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.4: *Tactical Employment - F-15C* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.15: *Tactical Employment - AWACS* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.22: *Tactical Employment - KC-10 and KC-135* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.24: *Tactical Employment - HH-60* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.26: *Theater Air Control Systems* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-1.28: *Tactical Employment Space* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-3.4: *Combat Aircraft Fundamentals F-15* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

AFTTP 3-3.24: *Combat Aircraft Fundamentals HH-60G* ([www.nellis.af.smil.mil](http://www.nellis.af.smil.mil))

Tactical Analysis Bulletins (TABs) ([www.aia.kelly.af.smil.mil/usaf/tactics](http://www.aia.kelly.af.smil.mil/usaf/tactics))

F-15 Tactical Electronic Warfare Systems (TEWS) Handbook  
([www.wg53.eglin.af.smil.mil/36ets/ewf/webtews/tewshome.html](http://www.wg53.eglin.af.smil.mil/36ets/ewf/webtews/tewshome.html))

USAF Weapons Review ([www.nellis.af.smil.mil/usafws/wr.html](http://www.nellis.af.smil.mil/usafws/wr.html))

USAF Weapons Instructor Course Texts

TD&E Final Reports ([www.wg53.eglin.af.smil.mil](http://www.wg53.eglin.af.smil.mil))

Applicable - 34 Series T.O.s Applicable - 1 Series T.O.s

PACAFI 21-202, *PACAF Standard Conventional Loads (SCL)*  
([www.hqpacaf.af.mil/sc/im/Publications/Pages/BasicPubs.htm#11](http://www.hqpacaf.af.mil/sc/im/Publications/Pages/BasicPubs.htm#11))

PACAFI 10-208 (C), *Military Operations in or Near a Politically Sensitive Area*

PACAFI 10-701 (C), *Air Defense*

ACCR 55-2, *Scramble/Airborne and Divert Order Procedures (OPR: ACC/PJ DSN 784-4320)*

ACCR 55-3, *(S-R) Identification and IFF/SIF Procedures* ([www.osan.af.smil.mil/hqaccpi](http://www.osan.af.smil.mil/hqaccpi))

ACCR 55-20, (S-R) *Tactical Air Control & Employment Procedures in Korea* (OPR: ACC/PJ DSN 784-4320)

ACCR 55-43, (S-R) *Combined Interface Operations and Air Control Procedures for the Korean Theater Air Control System and Augmenting Command and Control Units* (OPR: ACC/PJ DSN 784-4320)

ACCR 55-45, *Korean Theater Air Control Center Operations* (OPR: ACC/PJ DSN 784-4320)

ACCR 60-8, *Prevention of Inadvertent Overflight of Non-Friendly Borders*  
([www.osan.af.smil.mil/hqaccpj](http://www.osan.af.smil.mil/hqaccpj))

18 WG F-15 *Tactical Employment and Control Standards* (S)

CINCPAC Standard Rules of Engagement (SROE) ([www.hq.pacom.smil.mil/j0/j06](http://www.hq.pacom.smil.mil/j0/j06))

CINCPAC/CFC Regulation 525-4, Change 2, *Armistice ROE* ([www.hq.pacom.smil.mil/j0/j06](http://www.hq.pacom.smil.mil/j0/j06))

CINCPAC Theater Specific ROE ([www.hq.pacom.smil.mil/j0/j06](http://www.hq.pacom.smil.mil/j0/j06))

AFI 11-415, *Weapons and Tactics Program* ([afpubs.hq.af.mil/pubs/majcom.asp?org=AF](http://afpubs.hq.af.mil/pubs/majcom.asp?org=AF))

AFI 11-214, *Aircrew and Weapons Controller Procedures for Air Operations*  
([afpubs.hq.af.mil/pubs/majcom.asp?org=AF](http://afpubs.hq.af.mil/pubs/majcom.asp?org=AF))

Naval Strike and Air Warfare Center (NSAWC) Journal ([www.nsawc.navy.smil.mil](http://www.nsawc.navy.smil.mil))

## Attachment 14

### THREAT OF THE DAY PROGRAM

**A14.1.** The 18 OSS/IN (Intelligence Flight) is responsible for the conduct of the Threat Recognition Training Program IAW Higher Headquarters Instructions, local directives, and 18 OG/CC guidance. This program is applicable to F-15, E-3, KC-135, and HH-60 crewmembers as well as 623 ACF.

**A14.2.** Unit intelligence and tactics officers should work closely to develop, implement, maintain, and update a Threat of the Day/Week program which provides an opportunity for threats to be studied and briefed to appropriate crewmembers during mission planning/preparation.

**A14.3.** The following “study and discussion guides” are provided as a tool for research and briefing and do not replace any tools already in-place at the unit. Also, the following AFTTP 3-1 volumes should be considered a basic starting point for threat study; AFTTP 3-1 **Volume 1: General Planning and Employment Considerations**, **Volume 2: Threat Reference Guide and Countertactics**, **Volume 4: Tactical Employment - F-15**, **Volume 14: Air Defense**, **Volume 15: Tactical Employment - AWACS**, **Volume 22: Tactical Employment - KC-10 and KC-135**, **Volume 24: Tactical Employment - HH-60**, and **Volume 26: Theater Air Control Systems**.

**Attachment 15****THREAT OF THE DAY/WEEK STUDY AND DISCUSSION GUIDE (FLIGHT CREW)****Figure A15.1. Aircraft Study Guide.**

<b>Mission</b>
<b>Theater of Operations</b>
<b>Airframe</b>
Size
Turn capability sustained/instantaneous
Speed capabilities
Handling characteristics at slow speeds
Thrust-to-weight ratio
Combat radius
Airframe features
Engine smoke
Cockpit visibility
<b>Radar</b>
Search/track ranges
Internal ECCM features
F-15 TEWS compatibility (RWR indications)
Look-down, shoot-down capability
<b>In-Frared Search Track Scan (IRSTS)</b>
Compatibility
Search/track ranges
Radar missile employment with IRSTS
Intercept capabilities
<b>Other Avionics</b>
AAI/IFF
HUD
Data link
<b>Weapons</b>
Radar missile
Number carried
Type guidance
Employment ranges

Limitations

Motor burn time

Max F-pole range

AIM-120 kinematics

Capabilities vs ECM

Strengths/weaknesses

Heat missile

Number carried

Type tracker (hot metal or plume) implications

Employment ranges

Flare rejection capability

Power reduction techniques

Limitations

Strengths/weaknesses

Gun

Employment ranges

Rounds available

Fire rates

**Strengths/Weaknesses**

**Figure A15.2. Surface to Air Missile (SAM) Study Guide.**

<b>Mission</b>
<b>Theater of Operations</b>
<b>Naval Equivalent</b>
<b>Battlefield Integration</b>
Where will it be found?
Autonomous operations of command and control regulated
Target engagement flexibility
<b>Associated Acquisition/Tracking Radar</b>
F-15 TEWS compatibility
Acquisition range
EP features
Optical launch capability
Target engagement capabilities
Number of missiles per target (Doctrine)
Number of targets per site
<b>Missile Characteristics</b>
Size
Motor burn time
Max speed
Receding target capability
End game maneuverability, G
<b>Min/Max Employment Ranges/Altitudes</b>
<b>Type Guidance</b>
Intercept profile
Susceptibility to chaff/flare
<b>Warhead/Type Fuse/Lethal Radius</b>
<b>Strengths/Weaknesses</b>
<b>Target Countertactics</b>



**Figure A15.3. Anti-Aircraft Artillery (AAA) Study Guide.**

<b>Mission</b>
<b>Theater of Operations</b>
<b>Battlefield Integration</b>
Where will it be found?
Autonomous operations or command and control regulated
<b>Fire Control</b>
Acquisition and tracking radar
Optical capabilities
Tracking accuracy
F-15 TEWS compatibility
<b>Tactical Employment</b>
Tactical range
Max vertical range
<b>Rate of Fire</b>
<b>Strengths/Weaknesses</b>
<b>Target Countertactics</b>

**Figure A15.4. Bomber Study Guide.****Mission****Theater of Operations****Airframe**

- Max altitude
- Max speeds
- Airframe features
- Combat radius

**Self-Defense**

- Guns
  - Optically or radar-directed
  - Number of guns
  - Locations
  - Tactical range
  - Azimuth and elevation coverage
  - Weak areas
- EA
  - Type deceptive/noise jamming
  - Chaff/flare
- Fighter escort, if applicable

**Offensive Strike Capability**

- Air-to-surface missile
  - Employment profile

**Bomber Formations****Interceptor Tactics**

- Vs EA platform
- Weapons employment considerations
  - AIM-120

## Attachment 16

## THREAT OF THE DAY/WEEK STUDY AND DISCUSSION GUIDE(AWACS/GCI)

Figure A16.1. Aircraft Study Guide.

<b>Mission</b>
<b>Theater of Operations</b>
<b>Airframe</b>
Size
Speed
Combat Radius
Target RCS
Expected APY-1/2 contact range
Expected Fighter Range
<b>Radar</b>
Search/track ranges
Look-down, shoot-down
Clutter problems
EA and associated EP techniques
PDS database ambiguities
Impact on control system or actions
<b>IRSTS</b>
Search/track ranges
Radar missile employment with IRSTS
Intercept capabilities
Impact on control system or actions
<b>Other Avionics</b>
AAI/IFF
DATA LINKS
Impact on control system or actions
<b>Weapons</b>
Radar missile
Number
Employment ranges
AIM-7 comparison
Strength/weaknesses

<p>IR missile</p> <ul style="list-style-type: none"> <li>Number</li> <li>Employment ranges</li> <li>AIM-9M comparison</li> <li>Strength/weaknesses</li> </ul> <p>Gun</p> <ul style="list-style-type: none"> <li>Impact on control system or actions</li> </ul> <p><b>Impact on control system or actions.</b> Why is it important to know about this threat? How can my knowledge help my aircraft under control or my system survive?</p>
--

**Figure A16.2. SAM Study Guide.**

<p><b>Mission</b></p> <p><b>Theater of Operations</b></p> <p><b>Naval Equivalent</b></p> <p><b>Battlefield Integration</b></p> <ul style="list-style-type: none"> <li>Where will it be found?</li> <li>Target engagement flexibility</li> </ul> <p><b>Associated Acquisition/Tracking Radar</b></p> <ul style="list-style-type: none"> <li>Acquisition range</li> <li>Target engagement capabilities <ul style="list-style-type: none"> <li>Number of missiles per target (Doctrine)</li> <li>Number of targets per site</li> </ul> </li> </ul> <p><b>Missile</b></p> <ul style="list-style-type: none"> <li>Size</li> <li>Max speed</li> </ul> <p><b>Min/Max Employment Ranges/Altitudes</b></p> <p><b>Type Guidance/Intercept Profile</b></p> <p><b>Warhead</b></p> <ul style="list-style-type: none"> <li>Type fuse</li> <li>Lethal radius</li> </ul> <p><b>Strengths/Weaknesses</b></p> <p><b>Target Countertactics</b></p> <p><b>Impact to Control System or Actions</b></p>
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**Figure A16.3. Bomber Study Guide.**

<b>Mission</b>
<b>Theater of Operations</b>
<b>Airframe</b>
Max altitude
Max speeds
Combat radius
<b>Self-Defense</b>
Guns
EA
Type deceptive/noise jamming
Chaff
Fighter escort, if applicable
<b>Offensive Strike Capability</b>
Air-to-surface missile
Employment profile
<b>Bomber Formations</b>
<b>Interceptor Tactics</b>
Vs EA platform
Weapons employment considerations
AIM-120
<b>Impact on control system or actions</b>

**Figure A16.4. Air-to-Surface Missile Study Guide.**

<b>Mission</b>
<b>Theater of Operations</b>
<b>Guidance/Targeting Systems</b>
Active radar
Anti-radiation
<b>Missile</b>
Size
Speed
Flight profile
<b>Carrier Aircraft</b>
<b>Countertactics</b>
<b>Impact on control system or actions</b>

## Attachment 17

### USAF WEAPONS SCHOOL NOMINATIONS

**A17.1.** The 18 OSS/OSP is the focal point for 18 WG USAF Weapons Instructor Course (WIC). Squadrons will determine their nominee(s), develop nomination packages IAW this attachment, and forward the packages to 18 OSS/OSP. The 18 OSS/CC will convene a board of squadron commanders to determine the prioritized list of nominees for 18 OG. 18 OSS/OSP will collate, coordinate 18 OG/CC and 18 WG/CC signatures and forward the nomination packages IAW the official selection board message.

**A17.2.** The ACC/DOTW WIC selection board message (<https://do.acc.af.mil/dot/dotw/weapons-school/weaponschool.asp>) establishes Weapons School nomination criteria. Waivers are rare and should not be pre-planned.

**A17.3.** WIC Sequence of Events:

A17.3.1. Unit Weapons and Tactics officers look at prospective candidates throughout the year. Communication between Weapons and Tactics officers is imperative. All Weapons and Tactics officers should be familiar with all of the candidates.

A17.3.2. HQ AFPC and ACC/DOTW announce the WIC selection board dates (usually Feb and Aug).

A17.3.3. 18 OSS/OSP notifies the squadrons to submit nomination packages. Suspense for completed packages is typically 30 to 45 days prior to HQ PACAF's suspense date.

A17.3.4. 18 OSS/OSP will coordinate the nominations through the appropriate 18 OG and 18 WG leadership.

**A17.4. Package Preparation.** When preparing a package nominees should work with their respective weapons officers to ensure their nomination is as strong as possible. The format for nomination packages is located on the ACC/DOTW web page <https://do.acc.af.mil/dot/dotw/USAFWS.html>.

**A17.5. F-15 WIC Nominee Preparation.** Following is the guideline for preparing F-15 candidates for WIC. These are the minimum sorties to be accomplished. Any additional sorties available should be flown and will greatly benefit the WIC candidates. WIC candidates are representatives of the 18 WG and reflect, to a degree, our combat capability; both fighter squadrons may be tasked to provide some support.

A17.5.1. Self-study:

A17.5.1.1. Recommend the nominee prepare a draft copy of his student paper prior to departing for WIC. Coordinate topic with F-15 division.

A17.5.1.2. Reread AFTTP 3-1.4.

A17.5.2. Flights.

A17.5.2.1. The nominee will receive a minimum of 10 WIC work-up sorties (12 desired) in the 30 days prior to his departure for WIC. In addition, he should fly with as many recent (if able) WIC graduates as possible. Deviations from this work up will require 18 OG/CC approval. If the nom-

inee's squadron will be TDY during the 30 days prior to his departure, serious consideration should be given to leaving him at Kadena. BFM is the number one priority for F-15 WIC work-up.

**BFM Set-Up Parameters:**

(a) 9, and 6 K	Offender & Defender	420 kts (+/- 10 kts) FL 200 (+/- 500 feet) 4 L/R (+/- 10 degrees)
(b) 3 K	Offender Defender	400 kts (+/- 10 kts) 375 kts (+/- 10 kts) 20,000' (+/- 500 feet) with current range altimeter set 10,000' floor Floor ROE Weapons School Standard 4 L/R (+/- 10 degrees)
(c) HABFM	Offender & Defender Line Abreast (6-9 K)	440 kts (+/- 10 kts) FL 200 (+/- 500 feet) "Fights on" at turn in call

A17.5.2.2. Syllabus. BFM will be flown in clean jets to the maximum extent possible and should be flown in order. On every mission the nominee briefs, concentrate on the briefing and debriefing content and delivery. Sorties 11 and 12 can be setup as required or needed.

<u>SORTIE</u>	<u>TYPE</u>	<u>ORDNANCE</u>	<u>BRIEFER</u>
1	OBFM	9M & GUN	WPNS OFFICER
2	OBFM	9M & GUN	NOMINEE
3	DBFM	M & GUN	WPNS OFFICER
4	DBFM	9M & GUN	NOMINEE



5	OBFM	4x9Mmod & GUN	WPNS OFFICER
6	OBFM	4x9Mmod & GUN	NOMINEE
7	DBFM	4x9Mmod & GUN	WPNS OFFICER
8	DBFM	4x9Mmod & GUN	NOMINEE
9	HABFM	4x2x2xG	WPNS OFFICER
10	HABFM	4x2x2xG	NOMINEE
11/12	A/R	A/R	NOMINEE

**A17.6. Command and Control Operations Division (CCO) WIC Nominee Preparation.** Senior Director (SD) spin-up training will begin as soon as possible after selection to WIC. Center training on briefings, control, debriefings, and article preparation.

A17.6.1. SD's typically require work at instructional-level mission briefings which establish measurable, appropriate learning objectives, a logical plan to use equipment to integrate with fighter resources to meet objectives and effectively communicate that plan. The squadron weapons officer will provide briefing academics, demonstrate effective briefing techniques, and monitor the nominee's briefings. Every spin-up mission will have an SD briefing, and the nominee will attend every fighter briefing. Squadron weapons officers should coordinate support from other CCO WIC graduates to monitor briefings.

A17.6.2. Each mission should be video taped for debriefing purposes. A CCO weapons officer will instruct every spin-up mission. Minimum profiles to be controlled:

A17.6.2.1. 2 x 2 v 2 (IFF on, DCA)

A17.6.2.2. 2 x 2 v 2 (IFF on, OCA)

A17.6.2.3. 4 x 2 v 2 (IFF off)

A17.6.2.4. 2 x 2 v 4 (IFF off)

A17.6.2.5. 2 x 4 v X (at least four adversaries, IFF off)

A17.6.2.6. 1 x LFE (IFF on using two controllers as a team)

A17.6.3. Every mission will be reconstructed and debriefed using both audio and video recordings. Squadron weapons officer (both CCO and F-15 if available) will assist the nominee in identifying errors by the controllers/pilots as well as develop recommended corrective actions and lessons learned. Every fighter debrief will be attended.

A17.6.4. WIC students are required to write an article and make a presentation on a topic of their choice. Recommend selecting the topic as soon as the candidate is selected, coordinate with the CCO

division at USAFWS on the topic, and begin the research. An outline will be due shortly after class start. The quicker it's out of the way, the more the candidate can concentrate on the course.

**A17.7. HH-60 WIC Nominee Preparation.** Begin HH-60 WIC preparation as soon as possible after selection. Concentrate training on academic study, mission preparation, briefing, formation employment, and debriefing.

A17.7.1. Academic Preparation. HH-60 candidates should arrive with a very thorough understanding of AFTTP 3.1.24 and AFTTP 3.3.24. Study in depth the sections on Aerodynamics/AHC, Formation Employment (FE), TFM, and Gun Patterns. Candidates must be able to fly the AHC maneuvers and relate the appropriate aerodynamic concept to the maneuver. This includes a thorough understanding of EM charts and their application. Nominees must know cold and be able to appropriately apply FE, Landing Zone (LZ) options, gunnery patterns, and tactical use of TFM to any given situation. Be able to switch from an LZ option to a gun pattern and vice versa. Proper terminology and use of TFM to reestablish good formation maneuvers after CPs are important. Review systems such as FLIR, radar, ELMO, and Navigation systems like the back of your hand. One of the first WIC briefings will be on these systems.

A17.7.2. Recommend the nominee select a topic for his/her student paper and coordinate the topic with the HH-60 division prior to arrival. Start gathering data on the topic. The paper should be a "how to" paper on some aspect of HH-60G employment and teach it to the CAF.

A17.7.3. Flights. The nominee must receive a minimum of five sorties in the last 30 days prior to his/her departure for WIC, and a minimum of 30 flight hours in the previous 90 days. Nominee should fly with a WIC graduate as much as possible, acting as flight lead on all formation flights. Recommended including one AHC profile during the spin-up. Participation in a CSARTF or LFE exercise is desired but not required.

A17.7.4. Briefings/debriefings. On every mission in which the nominee briefs, concentrate on the briefing and debriefing content and delivery. Spin up should focus on "instructionally directive" briefings...tell the flight exactly what to do. Recommended organization is 10-20 minutes of admin, followed by 40 minutes of what will be going on during that sortie. During debrief, concentrate on reviewing what happened, what was good or bad about what happened, what was the cause of each good or bad thing, and provide a solution to ensure good performance gets repeated and bad performance doesn't.

**Attachment 18****COMPOSITE VERIFICATION PROGRAM**

**A18.1.** The Composite Verification program is designed to present a real world tactical problem to a group of operators. In the process of presenting their solution to the verification team, several benefits should occur. First, all in attendance will better understand their role in wing plans and exercises. Second, current plans and procedures will be validated. Finally, new ideas for improved tactical employment should arise.

**A18.2.** The Composite Verification will take place semiannually. It will be included in the semi-annual academic plan. Every attempt will be made to deconflict with the wing flying and meeting schedules. Attendance is mandatory.

**A18.3.** The team presenting will be a mix of experienced operators and recent upgrades. It will normally consist of four fighter pilots from the same squadron, a senior director (SD) and a controller from AWACS/GCI, two tanker crewmembers, and two helicopter crewmembers and the Wing's SWO. This mix can be changed to meet the given scenario. Their squadrons will not task these players during the week unless their schedules permit.

**A18.4.** 18 OSS/OSP and 18 OSS/IN will provide the scenario on Monday the week of the Verification. The scenario should be generated using real world situations and focus on current problems or tasking of the 18 WG.

**A18.5.** The briefing should not be longer than 50 minutes. After a 10 minute. break, the verification will reconvene for a question and answer session of not longer than 30 minute. The brief should focus on the group's solution to the tactical problem given and only become detailed in the areas that need to be addressed to validate that the mission could be accomplished as briefed. For example, the specifics of F-15 short range radar should not be briefed but the fuel off-load needed to complete the mission with only one tanker should be.

**A18.6.** The Verification board will consist of the 18 WG/CC, 18 OG/CC, each represented Squadron Commander, and 18 OSS/OSP/OSX/IN.

**A18.7.** The Composite Verification program is designed to be a useful tool to get all the major weapons systems together and discuss current problems facing the wing. It is not designed as a test but more as a learning tool where teams are encouraged to try new approaches and present them with some logical rationale. It should help foster a more cohesive Team Kadena and educate all involved to the strengths and weaknesses of all the assets in the 18 WG.

**Attachment 19****18 WG ECP PROGRAM**

**A19.1. Wing ECP Officer (18 OSS/OSPE ).** The Wing ECP position will be filled on a rotation basis by an ECP qualified officer from one of the two fighter squadrons. The rotation for filling the position is flexible and may be changed as required and agreed upon by the FS/CCs. The two FS/CCs should include in their financial plans enough money to send 1 officer to ECP school per year. Squadrons have the option to not fill their ECP slot if ECP qualified manning dictates otherwise.

**A19.2.** In addition to the two squadron ECPs, 18 OSS/OSP will also plan on financing 1 officer for ECP school per year. 18 OSS/OSP will finance a single officer who will eventually move into the Wing ECP position. The order of funding will rotate on the following schedule:

FY 02 - 44 FS

FY 03 - 67 FS

FY 04 and beyond - continue rotation

**A19.3.** After returning from school, the 18 OSS funded officer should be used at the squadron level until the current Wing ECP vacates the position. In order to maintain continuity, Wing ECPs will generally be in their position for a period of 1 year.

**A19.4.** If the Wing does not receive the required number of ECP school slots, the 18 OSS/OSP funded slot will be filled first. Additional attendees will be determined by the FS/CCs who will consider each squadron's manning requirements in the ECP position.