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SECRETARY OF THE AIR FORCE**

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VOLUME 1**

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***Nuclear, Space, Missile, or Command and
Control Operations***

**GROUND ENVIRONMENT TRAINING
AIR OPERATIONS CENTER (AOC)**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This Air Force Instruction (AFI) implements Air Force Policy Directive (AFPD) 13-1, *Command and Control Enterprise (C2 Enterprise)*, and is consistent with and responsive to relevant portions of AFPD 10-9, *Lead Command Designation and Responsibilities for Weapon Systems*, and AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities*. This AFI provides guidance to Air Force Air Operations Centers (AOCs) that support combatant commanders (CCDRs), including Air National Guard and Air Force Reserve AOC augmentation units. It also establishes required training for specialty team, liaison personnel, and augmentees. This instruction applies to all civilian and uniformed members of the Regular Air Force, Air Force Reserve and Air National Guard. This Air Force instruction does not apply to the Civil Air Patrol. Ensure all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule located in the Air Force Records Information Management System. Refer recommended changes and questions about this publication to the OPR using the AF Form 847, *Recommendation for Change of Publication*, route AF Forms 847 from the field through the appropriate functional chain of command. Parent major commands of geographic AOCs and Air Reserve Component (ARC) aligned units may supplement this AFI. Parent major commands of global AOCs may supplement this AFI with information concerning training of their personnel identified to support AOC phased operations. Supplements will be coordinated through appropriate chain of command to Headquarters, Air Force, Command and Control Branch (AF/A3TY) with courtesy copies to Headquarters, Air Combat Command, AOC/AFFOR Branch

(ACC/A3C). The authorities to waive wing/unit level requirements in this publication are identified with a Tier (“T-0, T-1, T-2, T-3”) number following the compliance statement. See AFI 33-360, *Publications and Forms Management*, for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the requestor’s commander for non-tiered compliance items. For non-tiered compliance statements directed above the Field Operating Agency (FOA)/Direct Reporting Unit (DRU)/wing level, submit requests for waivers to the first commander or division chief in the chain of command, or his/her delegated representative. All approved waivers will be uploaded into the Management Internal Control Toolset for inspection activity review and publication OPR’s situational awareness/filing. Major commands will send ACC/A3C copies of all approved major command AOC waivers. ACC/A3C will send copies of approved waivers to all AOC major command counterparts. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

SUMMARY OF CHANGES

This document is substantially revised and must be completely reviewed. It corrects office symbols for various organizations including OPR and implements waiver authority (tiering) guidance in AFI 33-360.

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Chapter 1

POLICY AND CONCEPTS

1.1. Introduction

1.1.1. This AFI provides guidance for geographic, global, and ARC-aligned AOC training programs.

1.1.1.1. AOC communications team personnel are not required to comply with this AFI except as follows: 1) All AOC communications team personnel, including supply and logistics, will follow Methods and Procedures Technical Order (MPTO) 00-33A-1001, *General Cyberspace Support Activities Management Procedures and Practice Requirements* and other guidance provided by parent major command A6 (T-2). 2) All communications support team personnel supporting AOC Networks Administration, System Administration, and Communication Focal Point will attend the AOC Formal Training Unit (FTU) for AOC Initial Qualification Training (IQT) for Networks, System Administration and Communication courses as appropriate for their respective positions (T-2).

1.1.1.2. Chapter 1 lists general training guidance applicable to all AOCs. Specific AOC and ARC-aligned AOC unit training program requirements are explained in **Chapter 2**. Due to the nature of their organizational structure and differing processes, functional/global major command/unit supplements to this AFI or appropriate major command guidance will address unique training program requirements (T-2).

1.1.1.3. ARC unit commanders will ensure their annual training plans include AOC Weapon System continuation training to ensure worldwide deployment capability (T-3).

1.1.2. This AFI outlines AOC training concept, structure and responsibilities.

1.1.3. This AFI applies to AOC crewmembers, to include specialty teams as directed, and establishes required theater orientation training for liaison officers and augmentees.

1.1.3.1. AOC crewmembers, to include specialty teams, may be military, civilian, or contractor personnel (if part of contract performance work statement and approved by AOC commander) and fill operational mission essential positions in the AOC. These positions are listed in AFI 13-1 AOC Volume 3. Additionally, due to AOC manning constraints and unique theater or global requirements, AOC units may require locally developed crewmember positions in AFI 13-1 AOC Volume 3. Units will identify unique positions and training associated with these positions in a supplement to this AFI or local training operations information guidance from unit commander (T-3).

1.1.3.2. Liaison officers and AOC augmentation personnel may represent other weapon systems, components, commands, government agencies, or coalition partners. They are administratively subordinate to their parent organizations while working within the AOC and will receive Theater Orientation and limited positional training from the Component AOC or designated training organization (T-2). **Paragraph 2.3** outlines the Theater Orientation training specifics.

1.1.4. This AFI directs appointment of AOC trainers with a unit developed trainer training program (T-2). **Paragraph 2.4** contains the guidance on AOC trainer training.

Note: AOC crewmember training, as outlined in this AFI, is a separate program from Air Force On-the-job training. On-the-job training is governed by AFI 36-2651, *Air Force Training Program* and documented in the AF Form 623, *Individual Training Record Folder* or other AF approved system (for enlisted members only). There is a potential overlap of training requirements and events. Even so, AOC training and career field training documentation are separate programs.

1.2. General

1.2.1. There are two overarching categories of AOC training: AOC crewmember proficiency training and orientation training. Training managers and courseware developers should design crewmember proficiency training to achieve and maintain combat mission ready (CMR) status. Proficiency training consists of Initial Qualification Training (IQT) and Mission Qualification Training (MQT) to achieve CMR, and continuation training to maintain CMR in accordance with [paragraph 2.2.3](#). Training managers and courseware developers should design orientation training for augmentees and liaison officers. It may include AOC mission and positional duties familiarization, as required. Conduct orientation training as outlined in [paragraph 2.3](#) of this AFI.

1.2.2. Document all training (see [paragraph 2.5](#) of this AFI) (T-2). Units will document IQT, MQT and/or continuation training in an electronic training management program as specified by the lead command and coordinated through other major commands. This program will utilize electronic AF IMT 4141, *Individual's Record of Duties and Experience Ground Environment Personnel*. The specified electronic training management program will be the primary system of record for IQT, MQT and continuation training. Units may still maintain manual training folders as backups as required. Units may also maintain individual training forms such as AF IMT 797, *Job Qualification Standard Continuation/Command JQS*, and ACC Form 206, *Individual Mission Gradesheet*, in individual's electronic training folder. Units will maintain electronic training documentation on personnel until permanent change of station. Upon permanent change of station, gaining unit should access records via the specified electronic training management program. Once achieving CMR status, maintain IQT/MQT documentation and certificates electronically. Document achievement of CMR in accordance with AFI 13-1 AOC Volume 2, *Standards/Evaluation Program – AOC* (T-2).

1.2.3. All AOCs and aligned units will have an annual training plan (T-2). Examples are available on the DOD Intelligence Community Web-Based Collaborative Environment SharePoint® site for the AOC/AFFOR enterprise (AOC Intelink) provided in [Attachment 2](#) of this AFI.

1.2.4. Any reference to "days" means calendar days. The AOC training year coincides with the fiscal year.

1.2.5. Any reference to FTU, unless stated otherwise, refers to the AOC FTU at Hurlburt Field, FL, operated by the 505th Command and Control Wing (CCW).

1.3. Roles and Responsibilities

1.3.1. AF/A3TY, provides oversight and approval of this AFI, and maintains Air Staff advocacy and develops policy for the AOC weapon system.

1.3.2. Headquarters, Air Combat Command (AOC Lead Command)

1.3.2.1. Serves as OPR and lead major command for the AOC weapon system and this AFI.

1.3.2.2. Headquarters, Air Combat Command, Directorate of Operations (ACC/A3) through ACC/A3C coordinates with other Offices of Collateral Responsibility (OCR) and major command/A3s as needed, and provides Combat Air Forces AOC training oversight and direction. Additionally ACC/A3C:

1.3.2.2.1. Reviews and provides ACC/A3 with approval recommendation for the AOC FTU and any advanced AOC courseware content, training tasks, and syllabi in accordance with AFI 36-2651.

1.3.2.2.2. Coordinates with major command/A3s and other Services for class quotas to the AOC FTU and other selected AF and joint formal schools (e.g., Combined/Joint Senior Service Course and Multi-Tactical Data Link Network courses.)

1.3.2.2.3. Provides oversight for development, coordination, and approval of standardized master IQT/MQT training task lists for all AOC crewmember personnel identified in AFI 13-1 AOC Volume 3. Additionally, coordinates development and approval of standardized (master) training task lists for AOC specialty teams. ACC/A3C will post master training task lists to the appropriate ACC AOC or functional Intelink or SharePoint® sites (see [Attachment 2](#) for site addresses.)

1.3.2.2.4. Establishes general continuation training requirements ([Attachment 3](#)) for geographic AOCs and ARC-aligned units. Global AOCs will receive their general continuation training requirements from their parent major commands.

1.3.2.2.5. Establishes standard formats for mandatory reporting items in accordance with this AFI.

1.3.2.2.6. Directs effort to maintain electronic training management program to support the AOC weapon system.

1.3.2.2.7. Leads distributed mission operations development to support the AOC weapon system.

1.3.2.2.8. Leads development of distance learning content to augment AOC training.

1.3.2.2.9. Provides training materials to AOCs, as appropriate.

1.3.2.2.10. Coordinates all exercises to include distributed mission operations and live, virtual, and constructive with AOCs, as appropriate. Provides guidance and support to ACC/A3O which manages the AF Joint Exercise Coordination Team scheduling process.

1.3.2.2.11. Maintains and coordinates updates to AOC master question file in electronic training management program as required.

1.3.2.2.12. Collaborates with other major commands concerning AOC training guidance and resources.

1.3.2.2.13. Provides oversight for development of standardized (master) training task lists, Plans of instruction and training material for the AOC Information Operations/Non-Kinetic Operations Team training.

- 1.3.2.2.14. ACC/A3C is the OPR for all AOC policy and guidance issues and for management of AFI 13-1 AOC volumes and Air Force Tactics, Techniques, and Procedures (AFTTP) 3-3/3-1, *Operational Employment-Air and Space Operations Center*, AOC volumes on behalf of AF/A3T.
- 1.3.2.3. Headquarters, Air Combat Command, Weather Division (ACC/A3W), is an OCR. ACC/A3W will provide oversight for development of standardized (master) training task lists, plans of instruction, and training material for the AOC Weather Team. ACC/A3W will coordinate with ACC/A3C for release of documentation to the field. ACC/A3W will post the master weather training task lists to the AOC Intelink site.
- 1.3.2.4. Headquarters, Air Combat Command, Airspaces and Ranges Division ACC/A3A, is an OCR. ACC/A3A will provide oversight for the development of standardized (master) training task lists, plans of instruction, and training material for the AOC Airspace Specialty Team. ACC/A3A will coordinate with ACC/A3C for release to the field. ACC/A3A will post master airspace training task lists to the AOC Intelink site. AOC Airspace Specialty Team members must meet the eligibility requirements for appointment to an AOC as outlined in AFI 13-204v1, *Airfield Operations Career Field Development*, para 3.5.2, 5.2.9, and 5.2.10.
- 1.3.2.5. Headquarters, Air Combat Command, Joint Integration Division (ACC/A3J), is an OCR. ACC/A3J will provide oversight for the development of standardized (master) training task lists, plans of instruction, and training material for the AOC Personnel Recovery Team. ACC/A3J is the OCR and lead command point of contact (POC) for AFI 13-208, *Personnel Recovery Coordination Cell Organization and Training*, governing the training and processes of the Personnel Recovery Coordination Cell. ACC/A3J is the OPR for all AOC Personnel Recovery policy and guidance issues, and for staffing personnel recovery inputs to AFI 13-1 AOC volumes and AFTTP 3-3/3-1 AOC volumes. ACC/A3J will coordinate with ACC/A3C for release to the field. ACC/A3C will post the master Personnel Recovery training task lists to the AOC Intelink site.
- 1.3.2.6. Headquarters, Air Combat Command, Intelligence, Surveillance, and Reconnaissance (ISR) Divisions (ACC/A2O and A2X) are OCRs. ACC/A2O and A2X are the OPRs for all AOC ISR Division policy and guidance issues, and for staffing A2 inputs to AFI 13-1 AOC volumes and AFTTP 3-3/3-1 AOC volumes. A2O will provide oversight for development of standardized (master) training task lists, plans of instruction, and training material for the AOC ISR Division and Senior Intelligence Duty Officer Team. ACC/A2X is the OPR for all AOC ISR Division system and architecture issues. Since A2X also provides intelligence system-level guidance and documentation, consider including A2X in all training issues related to intelligence systems. Each ISR branch will coordinate with ACC/A3C for release to the field all ISR master training task lists and will post to the ACC/A2 classified Intelink site.
- 1.3.2.7. Headquarters, Air Combat Command, Warfighting Capabilities and Integration Division (ACC/A6C) is an OCR and will provide oversight for the development of standardized cyber and communication training task lists, materials, and guidance for the Air Communications Squadron units and AOC Communications Teams. A6C is the OPR for providing oversight and guidance concerning all AOC Network, system administration, and communications support team training. A6C will coordinate with ACC/A3C for

release to the field. ACC/A3C will post master AOC Communication Team training task lists to the AOC Intelink site.

1.3.3. USAF Warfare Center (USAFWC)

1.3.3.1. 505 Command and Control Wing (505 CCW)

1.3.3.1.1. 505 Training Squadron (505 TRS)

1.3.3.1.1.1. Conducts in-residence IQT, FTU courses for AOC personnel on C2 organizations, processes, and systems used to employ air, space, and cyber forces at the operational level of war (T-2).

1.3.3.1.1.2. Provides initial Tactical Data Link and Multi-Tactical Data Link Network training to all AF AOC Interface Control Cell crewmembers (T-2).

1.3.3.1.1.3. Develop, maintain, update, and submit syllabi and academic lessons to ACC/TRSS and ACC/A3C for approval (T-2).

1.3.3.1.1.4. Provides semi-annual report to Headquarters, Air Combat Command, AOC/AFFOR Branch (ACC/A3CO) covering graduation results for each course and a complete list of unit feedback with corrections concerning FTU instruction since last report (T-2).

1.3.3.1.1.5. The AOC FTU, in coordination with major commands and Air Force Personnel Center (AFPC), annotates the date in the electronic training management program and awards the appropriate basic special experience identifier to AOC IQT course graduates (T-2).

1.3.3.1.1.6. Supports AOC units to the maximum extent possible in the development of in-unit IQT programs when attendance at the AOC FTU is not possible and approved by major command OPR. 505 TRS should provide FTU training materials to support in-unit IQT to include course materials, lesson plans, and test materials as appropriate or allow access to materials via on-line means (T-3).

Exception: For AOC personnel who achieve CMR status by going through in-unit IQT and unit MQT, the following exemption to special experience identifier awarding criteria will exist until Headquarters Air Force Personnel Center, USAF Military Classification Development Branch (HQ AFPC/DPSIC) can update the officer and enlisted classification directories per Headquarters Air Force direction. Units will submit a request for AFPC-approval for the awarding of appropriate AOC special experience identifiers upon completion of in-unit training, six months (two years for ARC) of working the duty position, and unit commander recommendation. (T-2)

1.3.3.1.2. 705 Training Squadron (705 TRS)

1.3.3.1.2.1. Provides operational-level academics for the AOC weapons system with courses targeted towards staff, division chiefs, commanders, and general officers as well as support for exercises, experiments, and operations. For more information, see the 705 TRS SharePoint® site (T-2).

1.3.3.1.2.2. Supports Air University's Combined/Joint Force Air Component Commander and School of Advanced Air and Space Studies courses with

operational-level academics focused on key AOC processes used in the command of joint and combined air and space combat resources. 705 TRS provides Special Technical Operations and Integrated Air and Missile Defense training (T-2).

1.3.3.1.3. 505 Combat Training Squadron (CTS):

1.3.3.1.3.1. Provides constructive models and virtual battlespace for exercises, testing, and experimentation to enhance command and control training for the joint air component at the operational level of war. Using the higher headquarters replication cell, AOC response cell, intelligence support, models and simulation expertise, and the USAF's only Professional Control Force, the 505 CTS also trains other Service or Global Air Components with simulation and stimulation of AOC processes and external agencies (T-2).

1.3.3.1.3.2. Enables and enhances Joint Exercises around the world with a professional control force, AOC response cell, higher headquarters replication, and computer, modeling, and intelligence support for plausible AOC simulation (T-2).

1.3.3.1.4. 705 Combat Training Squadron (CTS)

1.3.3.1.4.1. The 705 CTS, also known as Distributed Mission Operations Center, develops, integrates, and delivers capabilities and training to prepare warfighters for combat in joint and coalition environments through exercises, training, Tactics, Techniques, and Procedures (TTPs)-warfighter readiness, testing, experimentation, tactical to operational-bridged events and standards development (T-2).

1.3.3.1.4.2. Distributed Mission Operations Center serves as ACCs tactical to operational level synthetic battlespace hub through scheduling and integration of warfighter units, resources, scenario development, networking virtual adversary support, linking operational and strategic-level simulations. Distributed Mission Operations Center provides network connectivity to joint and coalition players around the world and by performing lead agent responsibilities for ACCs synthetic battlespace inter-team training events. It hosts Air Expeditionary Force-aligned, quarterly recurring VIRTUAL FLAG exercises, currently the only exercise to train full spectrum Theater Air Control System warfighters from start to finish, and warfighter focused events which highlight mission areas to include offensive counter air, close air support, defensive counter air, dynamic targeting/time-sensitive targeting and combat search and rescue (T-2).

1.3.4. Headquarters, United States Air Forces Europe, Headquarters, Pacific Air Forces and Headquarters, Air Force Global Strike Command

1.3.4.1. Collaborate with ACC/A3C concerning AOC training guidance and resources.

1.3.4.2. Monitor subordinate unit training and ARC-aligned unit training management.

1.3.4.3. Provide training materials as appropriate, guidance, and coordinate exercises to subordinate and ARC-aligned units.

1.3.4.4. Coordinate test events and weapon system upgrades with the Program Management Office (PMO) and subordinate units.

1.3.4.5. Coordinate with ACC/A3CO for class quotas to all AOC formal schools.

1.3.4.6. Review unit annual training plans and approves MQT/Continuation Training content.

1.3.4.7. Provides training waivers as required.

1.3.5. Headquarters, Air Mobility Command

1.3.5.1. Coordinates with the 505 CCW, USAF Expeditionary Operations School (EOS), Detachment 1 (USAF EOS, Det 1) at Hurlburt Field, Florida, and geographic AOC Air Mobility Divisions (AMDs) to develop master AMD training task lists for geographic AOCs and Air Mobility Operations Squadrons (AMOS). Air Mobility Command coordinates with ACC/A3C for approval and release to the field. ACC/A3C will post master AOC AMD IQT/MQT training task lists and continuation training tables to the AMD Training SharePoint® site and linked to the AOC SharePoint® site. USAF EOS, Det 1 conducts the in-residence, AOC Air Mobility Division FTU course for AMD personnel, teaching C2 organizations, processes, and systems used to employ air, space, and cyber forces at the operational level of war. The USAF EOS, Det 1 is part of the AOC FTU and conducts training on behalf of HQ ACC, the Lead Command for the AOC Weapon System, and the 505 TRS, Hurlburt Field, Florida.

1.3.5.2. Coordinates with and approves the 505 CCW, USAF EOS Det 1, geographic AOC AMDs, and AMOS units to develop course material for the FTU. Coordinates with and approves USAF Expeditionary Operations School, Detachment 2 (USAF EOS Det 2) at Scott AFB, IL to develop master training task lists and course material relating to all IQT requirements for the 618th AOC's FTU. The USAF EOS Det 2 conducts the in-residence, Global Mobility Air Operations IQT FTU courses for 618th AOC personnel on their processes.

1.3.5.3. Coordinates with and approves geographic AOC AMDs and AMOS units to develop AMD MQT and continuation training tables.

1.3.5.4. Coordinates with ACC/A3CO for class quotas to AOC formal schools.

1.3.5.5. Provides training oversight and direction of Mobility Air Forces 618th AOC.

1.3.5.5.1. Develops, coordinates and approves training task lists at all levels for the Mobility Air Forces AOC.

1.3.5.5.2. Supports development of general continuation training requirements for the Mobility Air Forces AOC.

1.3.5.6. Provides training materials as appropriate, guidance, and coordinates exercises to/with subordinate and ARC-aligned units.

1.3.6. Headquarters, Air Force Space Command

1.3.6.1. Assists ACC/A3C and geographic AOCs in the development of a master training task lists for their respective Space support.

1.3.6.2. Provides expert review of space and cyber related FTU content to ACC/A3C and coordinates with ACC/A3C for proper maintenance of training task lists.

1.3.6.3. Provides training oversight and direction of 614 AOC.

1.3.6.3.1. Approves 614 AOC formal course content.

1.3.6.3.2. Develops, coordinates, and approves training task lists at all levels for the 614 AOC.

1.3.6.3.3. Establishes general IQT/MQT/Continuation Training requirements for the 614 AOC duty positions.

1.3.6.4. Coordinates with ACC/A3CO for class quotas to AOC formal schools.

1.3.6.5. Provides training materials as appropriate, guidance, and coordinates exercises to/with subordinate and ARC-aligned units.

1.3.7. Headquarters, Air Force Materiel Command (HQ AFMC) through Air Force Life Cycle Management Center (AFLCMC) AOC Program Management Office (PMO).

1.3.7.1. Coordinates Type-1 initial system/application difference training with Headquarters, Air Combat Command, AOC/AFFOR Capabilities Division (ACC/A5C) and ACC/A3C, major command/A3, AOC training and system manager personnel, and ARC-aligned training suite equipped units.

1.3.7.2. Provides Type-1 training to AOCs and ARC-aligned training suite-equipped units for new and upgraded AOC systems and applications.

1.3.8. Headquarters, National Guard Bureau and Headquarters, Air Force Reserve.

Collaborates with ACC/A3C and other supported major commands concerning AOC training resources, requirements, limitations, and opportunities (formal schools).

1.3.9. Air Operations Centers and Air Reserve Component-aligned units

1.3.9.1. AOC and ARC Unit Commander

1.3.9.1.1. Establishes and maintains AOC training program in accordance with higher headquarters guidance (**T-2**).

1.3.9.1.2. Will coordinate and synchronize sufficient training between AOC and ARC-aligned units to meet mission requirements, as appropriate. Regular Air Force units will coordinate with ARC-aligned unit training requirements when developing manpower requirements for all exercises (**T-2**).

1.3.9.1.3. Issues specific aligned component theater support AOC training program guidance (**T-2**).

1.3.9.1.4. Reports AOC training shortfalls and limiting factors to higher headquarters (ARC units will report to parent major command via Air Force Reserve/National Guard Bureau with a copy to aligned AOC) (**T-2**).

1.3.9.1.5. Provides training status to higher headquarters and aligned AOC as requested (ARC units will report to parent major command via Air Force Reserve/National Guard Bureau with info to aligned AOC) (**T-2**).

1.3.9.1.6. Designates a unit AOC Training Manager (**T-2**).

1.3.9.1.7. In accordance with AFI 90-201, *The Air Force Inspection System*, AOC units will participate in the Inspector General's Reporting System utilizing the Management Internal Control Toolset (**T-2**).

1.3.9.2. AOC Training Manager

- 1.3.9.2.1. Manages the unit AOC training program, coordinates with ARC-aligned units, and serves as the AOC commander's POC for all applicable AOC training items **(T-2)**.
- 1.3.9.2.1.1. Coordinates class slots for unit inbound personnel with the major command POC for AOC formal training courses **(T-2)**.
 - 1.3.9.2.1.2. Provides guidance, assistance, and review of division/team training programs **(T-2)**.
 - 1.3.9.2.1.3. Ensures the awarding of the appropriate AOC special experience identifier in accordance with Air Force Enlisted Officer Classification Directories. The AOC FTU, in coordination with major command and AFPC, will award the appropriate basic AOC special experience identifier to AOC IQT enlisted and officer course graduates **(T-2)**.
 - 1.3.9.2.1.4. Ensures the accomplishment and documentation of the full range of AOC training in accordance with this AFI and approved local supplements or operating instructions **(T-2)**.
 - 1.3.9.2.1.5. Supports the unit self-assessment program. Ensures completion of the appropriate or assigned self-assessment checklists and advises the commander of results **(T-3)**.
 - 1.3.9.2.1.6. Coordinates Type-1 training with the PMO and the AOC Systems Manager **(T-3)**.
- 1.3.9.2.2. Produces AOC commander approved annual training plan and forwards to the parent major command OPR. Regular Air Force units will coordinate annual training plan with ARC-aligned units to achieve maximum integrated training while providing flexibility for ARC units to align training with all available opportunities **(T-2)**.
- 1.3.9.2.3. Reports AOC training program status, limiting factors, and recommendations to the commander **(T-2)**.
- 1.3.9.2.4. Reports IQT graduate survey completion rates to the Commander for the Graduate Evaluation Program. For technical procedures see ACCI 11-251, *Operations Training Development Program*, attachment 6, Table A6.1, Note 5. **(T-2)**.
- 1.3.9.2.5. The AOC training manager should attend and serve as the AOC commander's principle POC for the ACC led Syllabus Review Board. AOC Training Managers should conduct internal training task list reviews prior to attending the Syllabus Review Board.
- 1.3.9.3. Training Officers/Representatives will, in coordination with the AOC training manager, manage assigned division and team training. The appropriate division or specialty team chief will appoint these individuals **(T-3)**.

Chapter 2

AOC TRAINING PROGRAM

2.1. Introduction: This chapter provides AOC training requirements with program details for geographic AOCs and their ARC-aligned units. Global AOCs with ARC-aligned units will follow training guidance provided by their major command OPRs using functional major command/unit supplements to this AFI or other appropriate major command AFIs (T-2). Crewmember training is a sequential, three-phased program to reach and maintain CMR status. Phases are: IQT, MQT, and continuation training.

2.2. AOC Crewmember Personnel Training Program

2.2.1. Initial Qualification Training

2.2.1.1. IQT is the first part of the three-phased AOC training program and in most cases is addressed by one of the formal FTU courses or courses identified in [paragraph 2.2.1.3.1](#). Upon completing IQT, AOC personnel attain basic qualified status and receive the appropriate AOC special experience identifier; however, basic qualified status does not imply a qualification to perform any specific duty in an AOC. Training to meet CMR requirements is satisfied in the next phase of the AOC training program, MQT.

2.2.1.1.1. AOC/OC commanders will approve in-unit IQT for each individual unable to attend FTU. Forward approval of in-unit IQT to major command OPR for review and final approval. Personnel waived from FTU attendance must complete in-Unit IQT. Accomplish in-unit IQT using advanced distributive learning lessons and FTU course syllabus and materials to the maximum extent possible within unit resources and supported by 505 TRS as outlined in [paragraph 1.3.3.1.1.6](#) of this AFI (T-3).

2.2.1.1.2. FTU in-residence courses do not accommodate all AOC duty positions (list located on AOC Intelink site - See [Attachment 2](#)). For those positions that are standard but not taught at the FTU, units will develop in-unit IQT with guidance and support from the parent major command. For those non-AFI 13-1 AOC Volume 3 crewmember positions unique to their AOC, IQT development is a unit responsibility. Units will submit for the AOC special experience identifiers upon completion of in-unit IQT training, six months CMR in the duty position (two years for ARC), and unit commander recommendation (T-3).

2.2.1.1.3. Attending IQT enroute to the geographic AOC permanent change of station location is the preferred method for IQT completion. AOC training managers must ensure this occurs to the maximum extent possible. If IQT enroute to permanent change of station is not an option, units should contact the gaining major command POC with recommended alternate FTU training dates. Gaining unit major command will then coordinate with 505 TRS/705 TRS Quota Management for a class quota for earliest appropriate FTU course (T-2). For ARC-aligned units where IQT enroute permanent change of station is not an option, ARC unit will ensure management of in-unit IQT and crewmembers attend AOC FTU as soon as possible (T-3).

2.2.1.2. Purpose: IQT provides foundational knowledge, skills, and context for follow-on training. IQT provides basic skills to all AOC crewmembers in order to understand AOC processes but does not provide in depth positional and theater specific training.

Crewmembers will acquire positional and theater specific requirements through unit MQT programs (T-2).

2.2.1.3. Method: IQT will consist of students taking *applicable* advanced distributive learning lessons and an FTU course. ARC personnel may begin advanced distributive learning courses prior to selecting a class date and up to a year in advance. AOC crewmembers will attend the FTU in-residence in accordance with the above paragraphs. Approved major command AFI or supplement to this AFI will govern Functional/Global AOCs. Members learning a secondary AOC duty position will be allowed to return to the FTU with major command OPR and ACC/A3CO coordination and approval if it requires specialized technical training or it is a move to another AOC division which would be better served by attending FTU vice in-unit IQT (T-3).

2.2.1.3.1. The following are courses currently approved as in-lieu-of courses for prescribed FTU training: The USAF Weapons School Space Superiority course at Nellis AFB, NV for AOC space personnel; the Space Warfighter Preparatory course, Peterson AFB, CO; the Advanced Study of Air Mobility course at the USAF Air Expeditionary Center at McGuire AFB, NJ; Global Mobility Air Operations Course for 618th AOC crewmembers, Scott AFB, IL; the School of Advanced Air and Space Studies at Maxwell AFB, AL for Strategy Division personnel; and the Combined/Joint Senior Service Course at Hurlburt Field, FL, for Division Chiefs. These courses include AOC and AOC process training which are applicable to the positions these crewmembers normally work. Units may request additional training be approved as in-lieu-of through their major command OPR with lead command coordination. AOC personnel attending an in-lieu-of course will have this information documented in their training records (T-2).

2.2.1.3.2. AOC crewmember positions are mapped to FTU and in-lieu-of courses on the AOC Intelink site.

2.2.1.4. Timeline: Crewmembers will complete IQT by attending FTU. With in-unit IQT accomplishment, the maximum training time is 120 days (18 months for ARC personnel) from start to finish. In-unit IQT must be started no-later-than 30 days from receipt of unit commander approval and major command OPR review of the in-unit IQT request. In accordance with [paragraph 2.2.1.1.2](#), units should award AOC assigned personnel completing in-unit IQT the basic AOC special experience identifier (901/Y9A) as noted in [paragraph 1.3.3.1.1.6](#) above. Units should address any training deficiencies noted in FTU completion as part of the unit MQT program (T-3).

2.2.1.5. **Exception:** Exemptions to the IQT timeline may occur via extension or incomplete result in training. (**Note:** IQT is a one-time event and an individual returning to an AOC assignment after having previously accomplished IQT need not re-accomplish this phase). Individuals must still complete appropriate training outlined by the AOC training manager following records review. This is not a waiver and the original IQT completion date remains in effect). Where qualification in a new AOC position may require a different IQT or FTU class, the individual may re-accomplish IQT for the new position. As noted in [paragraph 2.2.1.3](#) above, attendance in new FTU class will require AOC training manager request, major command POC, and ACC/A3CO approval. If FTU

attendance is not mandated, the in-unit IQT /MQT completion for new position will satisfy achieving CMR status.

2.2.1.5.1. Extension: AOC commanders may grant two sequential 30-day extensions (total of an additional 60 days) for completing in-unit IQT. ARC-aligned unit commanders may grant two sequential extensions for a total of 240 days for completion of in-unit IQT. Include any training extensions in the quarterly report as outlined in [paragraph 2.6](#). Following the AOC commander or ARC commander extensions, the commander, upon review of the individual's training to date, may request an additional extension from major command OPR of 30 days or 120 days for ARC personnel as appropriate. If after the AOC commander and/or major command OPR extensions, training is still not complete, the commander has two options: either reenter the individual into training (restart the clock) or drop the individual from AOC training permanently. Both options are mandatory reporting items to the major command OPR (T-2).

2.2.1.5.2. Incomplete: Students unable to finish an FTU course for other than performance issues (e.g., medical reasons, etc.) may enter a subsequent class with 505 TRS commander recommendation, Unit commander approval, and gaining major command and ACC/A3CO review.

2.2.1.5.3. Failure: FTU IQT failure is a mandatory reporting item by the 505 TRS to the gaining unit, the major command OPR, ACC/A3CO, and A6CC for all communication/cyber course failures (T-2). The following are gaining unit commander options for IQT failure:

2.2.1.5.3.1. Due to extenuating circumstances, return individual to the FTU with 505 TRS commander recommendations, gaining unit commander and major command OPR approval, and ACC/A3CO review (T-3).

2.2.1.5.3.2. End training and place individual in a position designated by major command Air Force specialty code OPR. Unit commanders may place individual in a unit non-AOC crewmember position until coordination with major command Air Force specialty code OPR is completed (T-3).

Note: A student with an FTU IQT course failure may not afterward enroll in unit IQT (T-3). For a student failing in-unit IQT, the commander has the two options in [paragraph 2.2.1.5.1](#)

2.2.2. Mission Qualification Training (MQT)

2.2.2.1. MQT provides positional and theater specific training necessary to qualify or requalify AOC crewmembers in a duty position to perform the missions assigned to a specific AOC. MQT is a unit responsibility. AOC crewmembers maintain basic qualified status until they complete MQT (T-2).

2.2.2.2. Purpose: The purpose of MQT is to prepare a crewmember for attainment of CMR status in a theater specific AOC duty position.

2.2.2.3. Method: MQT normally involves tailored training with a trainer plus applicable subject matter experts, classroom academics, self-study, and performance tasks as necessary. Each AOC will determine the best mix of methods to meet all MQT needs (T-3). ACC/A3C and parent major commands will manage the development and use of MQT

course materials. ACC/A3C must approve and standardize master weapon system training task lists for AFI 13-1 AOC Volume 3 crewmember positions in coordination with appropriate theater or functional major command.

2.2.2.4. Timeline: MQT must be started no-later-than 45 days from IQT completion (90 days for ARC personnel), if attended FTU IQT. **(T-3)**. Members that go through in-unit IQT program will enter MQT after completion of their IQT evaluation. First term airmen will complete the first term airmen course then have 10 days for entry into MQT. In all cases, MQT must be complete within 90 days of start of MQT (ARC personnel have 365 days to complete) **(T-3)**. If MQT cannot be started within the time prescribed, the training manager must annotate it in the individual's electronic training folder and notify the commander and their major command OPR as soon as possible **(T-3)**.

2.2.2.5. MQT is complete when the individual completes all MQT requirements with release to unit standardization/evaluation (Stan/Eval). A crewmember will achieve CMR status when Stan/Eval completes its evaluation process and the AOC commander, ARC commander or their designated representative approval of the CMR designation **(T-3)**.

2.2.2.6. Individuals may accomplish portions of MQT prior to formal entry into MQT; however, they may not complete MQT out of sequence (i.e., prior to IQT completion) **(T-3)**.

2.2.2.7. Units will not waive MQT **(T-2)**. However, the 609th AOC Commander may waive the requirement for MQT accomplishment at DET 1, 609th AOC **(T-3)**.

2.2.2.8. Extensions: The unit commander may approve two sequential 30-day extensions (ARC units will have two sequential 180-day extension for ARC personnel) **(T-3)**. Report all extensions to major command OPRs in the unit's quarterly report in accordance with [paragraph 2.6.3 \(T-2\)](#). Following unit commander extensions, the major command OPR may grant an additional 30-day (180-day for ARC units) extension.

2.2.2.9. Incomplete/failure to progress: If training is not complete after unit commander and major command extensions, the unit commander has the option of either removing and then re-entering the individual into MQT due to unforeseen circumstances such as illness or deployment, or removing and reassigning the individual to a non AOC crewmember position coordinated by major command OPR and Air Force specialty code Functional Area Manager **(T-3)**.

2.2.2.10. Upon CMR certification the AOC training manager ensures special experience identifier codes are changed from the AOC general special experience identifier to the applicable AOC CMR team or division special experience identifier. In-unit IQT trained personnel will receive the AOC general special experience identifier in accordance with the USAF Officer or Enlisted Classification Directory and [paragraph 1.3.3.1.1.6](#) above **(T-3)**.

2.2.3. Continuation Training

2.2.3.1. Continuation training provides crewmembers with the volume, frequency, and mix of training necessary to maintain CMR proficiency. Continuation training begins after a crewmember receives CMR status. Units are responsible for developing an annual continuation training plan as part of their annual training plan focusing on the units'

mission or support for any upcoming major exercises or Operation Plan development (T-2). As part of the annual training plan, Commanders will approve the continuation training plan and forward the annual training plan to appropriate major command for review and additional guidance (T-3).

Note: Mandatory AF training, generally referred to as ancillary training, may not count toward continuation training (T-2).

2.2.3.2. Content: AOCs have common continuation training requirements levied by major command OPR (T-2); however, each AOC will add their unique continuation training requirements to their annual training plan (T-2). In addition to common continuation training requirements, each AOC crewmember should participate in an exercise as follows: geographic AOCs one per year and for ARC personnel one per every 2 years (T-3). Participation should be in primary or secondary duty positions. Exercise participation may accomplish other continuation training requirements. AOC training managers will provide an End of Year report to major command OPR with numbers of AOC crewmembers without participation in an annual exercise with justification (T-2). Deployment as an AOC crewmember will satisfy the exercise requirement for ARC members. General lead command continuation training requirement table is located at [Attachment 3](#). AOCs (ARC and AMOS units as well) have general continuation training requirements in the following five primary categories (T-2):

2.2.3.2.1. Doctrine

2.2.3.2.2. Theater Guidance

2.2.3.2.3. AOC systems

2.2.3.2.4. Understanding of the Operational Environment

2.2.3.2.5. Process/positional training

2.2.3.3. Purpose: Continuation training maintains AOC process/positional qualification (CMR status) and expands operational C2 level knowledge and skills. Continuation training is the Commander's and Division Chiefs' tool to ensure that crewmembers are always ready to support CDR, Joint Force Air Component Commander, and Area Air Defense Commander. Crewmembers with qualifications in more than one position must meet continuation training requirements for each position (T-3). Dual qualified crewmembers with like continuation training requirements that are the same for each position only need to perform the specific continuation training requirement for one position.

2.2.3.4. Method: Continuation training may consist of any combination of mass academics, e-learning, directed self-study, systems training, positional refresher training, or exercises.

2.2.3.5. Timeline: Continuation training requirements begin the first duty day of the following month after the individual is designated CMR (T-3). For geographic AOCs, continuation training completion is 1 year (T-3). [Attachment 3](#) and unit annual training plans contain the continuation training requirements. Unit/major command supplements will address continuation training requirements specific to their global AOCs. Units may prorate continuation training, but waivers are not normal. AOC/ARC Commander will

evaluate and approve waivers on a case-by-case basis (T-3). Continuation training waivers are a reportable item in major command quarterly report (T-2).

2.2.3.5.1. ARC units will accomplish continuation training (in accordance with [Attachment 3](#)) over a two-year vice one-year period. Thus, quarterly requirements become semi-annual; semi-annual become annual requirements, and annual requirements become bi-annual for ARC-aligned units (T-3).

2.2.3.5.2. AFR Individual Mobilization Augmentees who qualify as CMR crewmembers in geographic AOCs assume continuation training timelines in [paragraph 2.2.3.5.1](#)

2.2.3.6. Proration: Units may prorate continuation training requirements based on initial CMR date, temporary duty assignments, deployments, or periods of non-AOC duty (e.g., honor guard, medical leave). Unit must ensure training requirements account for time supporting contingencies (T-3). Units should prorate fiscal year continuation training requirements on a one-for-one basis. If personnel are gone for a quarter, then cancel continuation training for that quarter (ARC would be for two quarter period) (T-3).

2.2.3.7. Failure to meet continuation training requirements: Results in regression to non-CMR (NCRM) status (T-3). AOC commanders may allow up to a 30-day grace period for the accomplishment of continuation training requirements. ARC-aligned unit commanders may allow up to a 180-day grace period.

2.2.3.7.1. CMR crewmember must supervise NCRM crewmembers performing AOC designated operational capability-statement mission duties (T-3). Crewmembers in IQT and initial duty position MQT are not NCRM (T-2).

2.2.3.7.2. To regain CMR status, a crewmember must accomplish the delinquent continuation training. The individual's training records must reflect both the regression to NCRM and the reacquisition of CMR status (T-3).

2.2.3.7.3. Failure to regain CMR within 6 months (18 months for ARC) results in regression to unqualified status. To regain CMR status, the crewmember must complete a commander-approved requalification training program (T-2).

2.3. Theater Orientation Training

2.3.1. All AOCs must provide Theater Orientation training for Temporary Duty Assignment AOC crewmembers, specialty team members, liaisons, and augmentees to aid their integration. Tailor and base this training on expected duties, previous experience, and AOC knowledge. The gaining AOC is responsible for developing content and presenting Theater Orientation training (T-2).

Note: A CMR rating in any AFI 13-1 AOC Volume 3 position is transferrable among the geographic and global AOCs in the same CMR duty position upon completion of the unit's Theater Orientation training and unique MQT items (T-3).

2.3.2. Theater Orientation training is a menu of training modules consisting of any combination of e-learning lessons, briefings, or directed self-study. The AOC training manager designs the menu with tailoring to the individual. The AOC commander or Division Chief approves the menu, if the commander delegates approval authority (T-3).

2.3.2.1. Theater Orientation training is appropriate for CMR AOC crewmembers temporarily assigned to another AOC. If the AOC crewmember performs duties in his or her CMR position, AOC crewmember only needs theater/mission familiarization (T-3).

2.3.2.2. Each AOC will present a Theater Orientation training program containing individual requirements and may include the following subject areas (T-3):

2.3.2.2.1. AOC fundamentals

2.3.2.2.2. Unit mission or Theater Orientation

2.3.2.2.3. Chain of command/command relationships

2.3.2.2.4. Applicable planning and execution documents

2.3.2.2.5. Augmentee positional responsibilities

2.3.3. This training may also include local additions to mandatory AF training.

2.4. Trainer Program

2.4.1. The AOC weapon system is unique in that there are no Air Force specialty codes specific only to the AOC weapon system. The AOC weapon system does not require a formal AF training program to develop and certify trainers for a career. Therefore, AOC leadership will select crewmembers or subject matter experts who are highly proficient in division-team processes or AOC weapon system applications to perform as trainers (T-3). AOC trainers need not complete any formal USAF trainer/instructor program in order to be an AOC trainer, but can maintain prior "T" or "K" prefixes from their career field (On-the-Job Training which may require a formal AF training course). AOC trainers will complete local AOC trainer program requirements listed in below paragraphs (T-3).

2.4.2. The AOC or ARC-aligned unit commander or commander designated division/team chiefs must approve AOC crew position trainers (T-2).

Note: AOCs may elect to use a subject matter expert for certain elements of their training programs (e.g., theater/mission familiarization training, systems and applications, or designated processes). Subject matter experts will augment the designated trainer instruction (T-3).

2.4.3. The unit training manager will provide the following training to AOC crew position trainers (T-3):

2.4.3.1. Unit training administrative practices to include filling out unit training documentation

2.4.3.2. Trainer responsibilities

2.4.3.3. Briefing/Debriefing techniques

2.5. Training Documentation

2.5.1. AOC crewmember documentation: Units must maintain a permanent training record in appropriate electronic training management program which contains the following milestones: date arrived station, training start/completion dates (FTU IQT, in-unit IQT, and MQT), CMR designation date, NCMR events, deployment dates and associated Theater Orientation training, and any other significant training dates. ARC-aligned units will maintain their own records in

the lead command's electronic training management program or other ARC directed records management system (T-2).

2.5.2. Theater Orientation documentation: AOCs will document in the individual's training folder the date of completion of orientation training in accordance with [paragraph 2.5.1](#). (T-2)

2.5.3. Annual training plan: All AOCs, and ARC-aligned units, will develop an annual training plan which should include the following elements (T-2):

2.5.3.1. Any additional unit assigned MQT or continuation training requirements (in addition to [Attachment 3](#)) (T-2).

2.5.3.2. Mission execution, mission planning, or academic event from [Attachment 3](#) or major command requirements (T-2).

2.5.4. Unit Training Documentation (Electronically in lead command electronic training management program) (T-2).

Note: Any documentation requiring a signature - either an original or electronic signature may be used.

2.5.4.1. Position Training Form (e.g., ACC Form 206, AF IMT 797, a unit form based on an ACC Form 206, AETC IMT 186, *Individual Mission Gradesheet-Battle Management*)

2.5.4.2. AF IMT 4141, AF IMT 4142, *Individual Annual Training Record* or other approved training and qualification records.

2.5.4.3. Any other unit documentation, to include trainer training, as well as major command directed training documentation.

2.6. Reportable Items to major command/A3 by E-mail memo; if there is nothing to report for an item, report "none." (T-2)

2.6.1. IQT timeline exceeded (including extensions). Report action taken. Report quarterly.

2.6.2. IQT failure. Report action taken. Report when failure occurs.

2.6.3. MQT timeline exceeded (including extensions) and action taken. Report quarterly.

2.6.4. MQT failure to progress. Report action taken. Report quarterly.

2.6.5. Training limiting factors and shortfalls to include continuation training waivers. Report Quarterly.

2.6.6. Exercise participation shortfalls. Report reason. Report End of Year.

MARK C. NOWLAND, Lt General, USAF
Deputy Chief of Staff, Operations

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

AFPD 13-1, *Command and Control Enterprise (C2 Enterprise)*, 6 August 2012

AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities*, 30 April 2014

AFI 13-1 AOC, Volume 3, *Operational Procedures - Air Operations Center (AOC)*, 2 November 2011

MPTO 00-33A-1001, *General Cyberspace Support Activities Management Procedures and Practice Requirements*, 1 July 2016

AFMAN 33-363, *Management of Records*, 1 March 2008

AFI 33-360, *Publications and Forms Management*, 1 December 2015

AFI 90-201, *The Air Force Inspection System*, 20 November 2018

AFI 13-1 AOC, Volume 2, *Standardization/Evaluation Program - Air and Space Operations Center (AOC)*, 1 August 2005

AFI 36-2651, *Air Force Training Program*, 3 January 2019

AFTTP 3-3/3-1AOC, *Operational Employment - Air and Space Operations Center*, 31 March 2016

AFI 13-204, Volume 1, *Airfield Operations Career Field Development*, 9 May 2013

AFI 13-208, *Personnel Recovery Coordination Cell Organization and Training*, 4 August 2015

ACCI 11-251, *Operations Training Development Program*, 8 Jan 2019

AFI 36-2251, *Management of Air Force Training Systems*, 05 June 2009

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

AF Form 623, *Individual Training Record Folder*

AF IMT 4141, *Individual's Record of Duties and Experience Ground Environment Personnel*

AF IMT 797, *Job Qualification Standard Continuation/Command JQS*

ACC Form 206, *Individual Mission Gradesheet*

AETC IMT 186, *Individual Mission Gradesheet - Battle Management*

AF IMT 4142, *Individual Annual Training Record*

Abbreviations and Acronyms

505 CCW—505th Command and Control Wing

505 CTS—505th Combat Training Squadron

505 TRS—505th Training Squadron

705 CTS—705th Combat Training Squadron

705 TRS—705th Training Squadron

ACC—Air Combat Command

AETC—Air Education and Training Command

AFI—Air Force Instruction

AFLCMC—Air Force Life Cycle Management Center

AFMAN—Air Force Manual

AFMC—Air Force Materiel Command

AFPC—Air Force Personnel Center

AFPD—Air Force Policy Directive

AFTTP—Air Force tactics, techniques, and procedures

AMD—Air Mobility Division

AMOS—Air Mobility Operations Squadron

ANG—Air National Guard

AOC—Air Operations Center

ARC—Air Reserve Component

ATO—Air Tasking Order

C2—Command and Control

CCDR—Combatant Commander

CMR—Combat Mission Ready

FOA—Field Operating Agency

DRU—Direct Reporting Unit

EOS—Expeditionary Operations School

FTU—Formal Training Unit

HQ—headquarters

Intelink—DOD Intelligence Community Web—Based Collaborative Environment

IO—Information Operations

IQT—Initial Qualification Training

ISR—Intelligence, Surveillance, and Reconnaissance

MPTO—Methods and Procedures Technical Order

MQT—Mission Qualification Training

NCMR—Non-Combat Mission Ready

OCR—Office of Collateral Responsibility

OPR—Office of Primary Responsibility

PMO—Program Management Office

SPO—System(s) Program Office

Stan/Eval—Standardization and Evaluation

TRS—Training Squadron

TRSS—Training Support Squadron

TTP—Tactics, Techniques, and Procedures

Terms

Ancillary Training—Training that contributes to mission accomplishment, but is separate from Air Force Specialty or occupational series training (further defined on the Education & Training Course Announcements website, <https://etca.randolph.af.mil/default1.asp>). Ancillary training does not constitute AOC training.

AOC Type—Refers to AOC categorization as either geographic or global (see geographic and global AOC definitions). AOC training instructions applicable to all AOC types are located in **Chapter 1**. AOC training instructions specific to geographic AOCs are located in **Chapter 2**. AOC training instructions for the global AOCs are located in subsequent chapters as outlined in the Table of Contents. While **Chapter 1** is applicable to all AOCs, subsequent chapters may be more restrictive but not less than **Chapter 1**. **Note:** the term "Combat Air Forces" AOCs refers to geographic AOCs plus the 608th.

Augmentee—Personnel filling AOC positions on a temporary, short-term basis (e.g. Temporary Duty Assignment to exercises or contingencies). Augmentees require tailored Theater Orientation training, and may require positional training. Augmentee training is the responsibility of the gaining AOC.

Basic Qualification (BQ)—An AOC crewmember who has completed IQT but not completed MQT.

Certification—Designation of an AOC crewmember-trainee by the AOC commander with a successful MQT completion (including positional review, debrief, and any directed additional training) and requisite mission qualification examination. Certification may result in CMR status. Certification also applies to AOC crewmember upgrade to trainer.

Combat Mission Ready (CMR)—The qualification status of an AOC crewmember who successfully completes IQT and MQT requirements, passes initial and mission qualification testing (if applicable) and receives certification from the commander or designated representative.

Global AOC/Operational Center (OC)—An AOC which has function-specific missions that are worldwide in support of a Combatant Command or a subordinate Unified Command with a functional mission. They include AFSOC OC, 608th AOC (Global Strike), 614th AOC (Space), 618th AOC (Mobility), and 624th OC (Cyber).

(Note: Joint Doctrine still uses the term “Functional” while AF Doctrine has changed to “Global”.) Geographic AOC—An AOC which has broad-ranging missions constrained to a

geographic Area of Responsibility, in support of a geographic Unified (or Sub-unified) Combatant Command with an assigned operational area. The geographic AOCs include the 601st, 603d, 607th, 609th, 611th, 612th, and 613th AOCs.

(Note—AOC Support Units: Although not an AOC these are facilities which provide mission essential information or support to the Component Commander objectives or direction. They include SPO Production Center, 505 CCW, 363 ISR Group, and Operational Support Center /Help Desk (OSC/HD).

Liaison Officer—Allied nation, sister service, other government agencies, or unique major weapons system/mission representative working for their own respective commander but providing planning/tasking expertise and coordination capability in support of the AOC. AOCs will provide and document theater orientation training to liaison officers to facilitate integration.

Non-Combat Mission Ready (NCMR)—The qualification status of an individual, who, having achieved CMR status, fails to accomplish mandatory continuation training requirements. See respective AOC type chapter for consequence and repair of NCMR status. See definition of Unqualified for distinction from NCMR.

Requalification Training—Tailored training for formerly-CMR AOC crewmembers that have become unqualified for any reason. Objective is return to CMR status. Completion will be followed by positional re-evaluation and accomplishment of recurring qualification examination. AOC training managers will coordinate with applicable division/team training personnel and if necessary, Stan/Eval, to identify performance deficiencies and create appropriate requalification training plans. Requalification training plans require AOC commander approval.

Trainer—AOC crewmember, authorized via AOC trainer upgrade program and AOC commander certification, to conduct AOC crewmember training. Trainers may also be contractors with subject matter expertise. Further guidance is available in **paragraph in 2.4** of this AFI.

Training Task List—Documentation of total training tasks developed for a prime mission system and its respective mission. It includes the entire spectrum of tasks in each functional area requiring training. The training task list provides the training task baseline for all acquisition, modification, support, management, and funding actions through comparison with predecessor or future prime mission systems (AFI 36-2251, *Management of Air Force Training Systems*). Major commands with their respective AOCs develop AOC training task lists. AF/A3T must approve AOC training task lists. ACC/A3C will standardize all AFI 13-1 AOC Volume 3 listed duty positions in their Combat Air Forces training task lists. ACC/A3C will post training task lists to the AOC Intelink site.

Type 1-Training—Contract training by civilian industrial institutions, supporting initial cadre operators and systems / network administrators to be trainers for new or modified AOC systems (often referred to as "train the trainer"). The AOC training manager will coordinate this training with AFMC/AFLCMC specifically the AOC PMO (Air Force Life Cycle Management Center/HSGB). Type 1 Training should be documented as such in accordance with pertinent AOC Type chapter of this AFI.

Unqualified—Previously CMR AOC crewmembers whose CMR status has lapsed due to any of the following reasons: NCMR in excess of six months, permanent change of station/permanent change of assignment out of AOC crewmember assignment, or AOC commander-directed. See

Requalification Training. **Note:** AOC crewmember-trainees in IQT are not "unqualified," they are "not qualified." In addition, those in MQT status are not unqualified, but rather basic qualified.

Attachment 2

GLOSSARY OF LINKS

The following links are subject to change. The AOC Intelink site will have most current information: <https://intelshare.intelink.gov/sites/aoc/a3c/default.aspx>

505th Command and Control Wing (CCW): <https://www.505ccw.acc.af.mil/>

505th Training Squadron Courses: <https://www.505ccw.acc.af.mil/About-Us/Fact-Sheets/Display/Article/376112/505th-training-squadron/>

561st Joint Tactics Squadron:

<https://intelshare.INTELINK.gov/sites/561jts/SitePages/Home.aspx>

ACC/A2 AOC ISR Support:

http://intelshare.INTELINK.sgov.gov/sites/acca2ft/ACC_A2_AOC_ISR_D_Support/SitePages/Home.asp

ACC/A3C AOC Learning Management System: <https://sonoranc2.com>

ACC/TRSS Training Support: <https://acc.eim.acc.hedc.af.mil/org/A3/TRSS/default.aspx>

ACC IG Management Internal Control Toolset Portal: <https://mict.us.af.mil/MyMICT.aspx>

ACC/IO Training:

<https://cs2.eis.af.mil/sites/23859/39IOS/CourseInfoSite/SitePages/Home.aspx>

ACC Exercise Scheduling: <https://acc.eim.acc.hedc.af.mil/org/A3/A3O/A3O7/default.aspx>

AF Doctrine: <https://doctrine.af.mil/>

AOC SPO Weapon System Type 1 Training:

<https://intelshare.intelink.gov/sites/aoc/spo/training/default.aspx>

ALSA Pubs: <http://www.alsa.mil/>

AOC AMD Training SharePoint® Site: <https://cs3.eis.af.mil/sites/22855/default.aspx>

AOC CM Library:

<https://intelshare.INTELINK.gov/sites/aoc/spo/DocumentLibrary/Forms/AllItems.aspx>

AOC Weapon System CoP: <https://intelshare.intelink.gov/sites/aoc/spo/training/default.aspx>

AOC Intelink: <https://intelshare.intelink.gov/sites/aoc/a3c/default.aspx>

AOC ISR Division Support: <https://intelshare.INTELINK.gov/sites/acca2os/default.aspx>

Combat Airspace SharePoint®:

<https://acc.eim.acc.hedc.af.mil/org/A3/A3A/A3AA/default.aspx>

Component Commander Handbooks: <https://cs3.eis.af.mil/sites/AE-OP-00-60/default.aspx>

Joint Deployment Training Center (Global Command and Control System):

<http://www.jdtc.eustis.army.mil/>

Joint Doctrine: <https://www.jcs.mil/Doctrine/>

Joint Knowledge Online: <http://jko.jten.mil/>

Tactical Data Link Library: <https://intelshare.INTELINK.gov/sites/tdlomo/default.aspx>

Attachment 3

AOC ACADEMIC CONTINUATION TRAINING REQUIREMENTS

Major Area	Suggested Topic areas	Recommended Requirement	Comments	Guidance
Doctrine	Operational Procedures, Joint Operations and Planning, Counter Air and Missile Threats, Interdiction, Joint Targeting, Fire Support, Close Air Support, Information Operations, Cyber Operations and Threats, Electronic Warfare, Military Information Support Operations, Military Deception, Air Mobility Operations, Personnel Recovery, Airspace Control, remotely piloted aircraft, Dynamic Targeting, Kill Box, Common Grid Reference System, counter-insurgency, non-combatant evacuation, Counterdrug Ops, Interagency Coordination Humanitarian Assistance, Threat Reference and counter Tactics, Command Relationships and Chain of Command, C2 of Integrated Air and Missile Defense, Anti-Access/Area Denial, air-sea battle, Stand Off Munitions and Decoy integration,	Annual	Doctrine component provides background knowledge to support internal team, division, and AOC processes, as well as enhancing understanding of Joint and Combined operational level principles.	AOC Division Chief will determine doctrine documents and areas division and teams will cover for continuation training. Topics can come from suggested list or as determined by combatant commander mission. (T-3)

Major Area	Suggested Topic areas	Recommended Requirement	Comments	Guidance
Theater Guidance	Theater Operational Plans/ concept plans, Theater air Operations Directives, Theater Joint Air Operations Plan, Theater Rules of Engagement, Theater Special Instructions, Air Defense Plan and Architecture, Theater Communications Architecture, Joint Data Network Architecture	Semi -Annual	Assumption that these documents are current and in execution. "On-the-shelf" documents may be added as an individual AOC option with an annual / familiarization level	AOC division chief will determine documents and areas division and teams will cover for continuation training. Topics can come from suggested list or as determined by combatant commander Mission (T-3) .
Understanding the Operational Environment	Current Intelligence Brief, Friendly order of battle, Enemy order of battle, air-air threats, air-ground threats, Integrated Air and Missile Defense and Missile Threats, General Threat order of battle	Quarterly	Covers wide range of topics and should be pertinent to Theater Mission and objectives.	AOC Division Chief will determine documents and areas division and teams will cover for continuation training. (T-3)

Major Area	Suggested Topic areas	Recommended Requirement	Comments	Guidance
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Systems / Applications	Collaboration Tools, Planning Tools, Execution Tools, Communication Tools, Battlespace Awareness and Data Link Tools, Air Mobility Tools, Personnel Recovery Tools, Intel Analysis Tools, Targeting Tools, Space Tools, Cyber Tools, Integrated Air and Missile Defense Tools,	Quarterly	Covers wide range of topics and should be pertinent to AOC baseline standard applications and theater mission. Refer to AFTTPs 3-1/3-3 AOC for system/application tool recommendations	AOC team chiefs will determine tools teams will cover for continuation training. (T-3)
	Web-Page/SharePoint®		ATO/ACO, Messaging	
	Variances		Unit Approved Variances	

Major Area	Suggested Topic areas	Recommended Requirement	Comments	Guidance
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AOC Processes	ATO Cycle, Liaison Integration, Special Technical Operations, Air Operations Directive Development, Information Operations Integration, Cyber Integration, Space Integration, course of action development, Assessment, request for information process, Targeting, Weaponing, processing, exploitation, and dissemination, master air attack planning, C2 Planning, Air Tasking Order Development, Change, and Release, Airspace Control Order Development, Change, and Release, Spins Development, Change, and Release, Order of Battle Management, ISR Operations, Dynamic Targeting, Data Base Management, Tanker Operations, Airlift Operations, Personnel Recovery, Air Defense	Quarterly	A combination of academics, application and process training can satisfy a process & positional training requirements. Special Technical Operations training is only required for positions with the appropriate access. Cover standard processes in AFI 13-1 AOC Volume 3, AFTTP 3-3 AOC, and AFTTP 3-1 AOC as a minimum. Consider giving additional consideration to reviewing platform TTPs.	Division and Team chiefs will determine process to be covered based upon upcoming missions and ongoing threats and operations. (T-3)
	Data Link Planning and Operations			Must establish live links (T-3)
	Exercise Participation once during continuation training period			Primary Duty

Major Area	Suggested Topic areas	Recommended Requirement	Comments	Guidance
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AOC Processes	Exercises with AOC participation (see note)		Exercise Name AMALGAM, ARDENT SENTRY, AUSTERE CHALLENGE, BLUE FLAG, GLOBAL THUNDER, KEEN EDGE, KEEN SWORD,KEY RESOLVE/FO AL EAGLE, TALISMAN SABRE, PACIFIC SENTRY, VIGILANT SHIELD, ULCHI FREEDOM GUARDIAN, VALIANT SHIELD, ANGEL THUNDER , ATLANTIC STRIKE, GREEN FLAG, MAPLE FLAG, NORTHERN EDGE, PANAMAX, RED FLAG, VIRTUAL FLAG, UNIFIED ENDEAVOR	
<p>Note: Requirements for Regular Air Force AOC personnel are over a one-year period. Requirements for ARC personnel are over a two-year period. Thus, annual for ARC equals two years, quarterly equals semi-annually. AOC Intelink site is the most current source, as information in the above table is subject to change. Commanders have the authority to determine topics and events to meet continuation training requirements.</p>				