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SECRETARY OF THE AIR FORCE**

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**AIR FORCE PARTICIPATION IN JOINT
TRAINING TRANSFORMATION
INITIATIVE (JTTI) AND JOINT NATIONAL
TRAINING CAPABILITY (JNTC) EVENTS**

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This instruction implements AFD 10-2, *Readiness*, and AFD 10-13, *Air and Space Doctrine*. It establishes the roles and responsibilities of the various Air Force (AF) agencies (Active component, Reserve, and National Guard) that participate in the US Army's (USA) Battle Command Training Program (BCTP) and other Joint Service training events under the Joint Training Transformation Initiative (JTTI). Participating United States Air Force (USAF) Major Commands (MAJCOMs) will issue supplements to this instruction as required. Address correspondence or questions on these procedures to HQ USAF/A3O-AT, 1480 Air Force Pentagon, Washington, DC 20330-1480 or email afa3o-at.workflow@pentagon.af.mil using the AF IMT 847, *Recommendation for Change of Publication*. Route AF IMT 847s from the field through the appropriate chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, Management of Records, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>.

(ACC) This publication supplements AFI 10-251, 5 February 2009. This supplement applies to Headquarters Air Combat Command (ACC), all ACC Numbered Air Forces, ACC Direct Reporting Units and ACC-primary subordinate units. This supplement provides guidance and responsibilities for Air Force units supporting the US Army's Mission Command Training Program (MCTP) under the Joint Training Transformation Initiative to the Combatant Commands (COCOM), through the Joint Exercise Program, and to Service training programs accredited within the Joint National Training Capability (JNTC). This supplement also addresses the rapidly evolving organizational and force structure changes within the Office of the Secretary of Defense and the Services (i.e. Program Action Directive 07-13). This publication does not apply to Air Force Reserve Command (AFRC) or Air National Guard (ANG). Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) AFMAN 33-363, *Management of Records*, and disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>. Contact supporting records managers as required. Send recommended changes on AF Form 847, *Recommendation for Change of Publication*, to HQ ACC/A3Y, 205 Dodd Blvd. Ste 101, Langley AFB, VA 23665.

SUMMARY OF CHANGES

This document is substantially revised and must be completely reviewed. This revision extends the support originally provided to the US Army's Battle Command Training Program under the Joint Training Transformation Initiative to the Service training programs accredited within the Joint National Training Capability (JNTC). This revision also addresses the rapidly evolving organizational and force structure changes within the Office of the Secretary of Defense (OSD) and the Services (i.e. Program Action Directive (PAD) 07-13). PAD 07-13 designates Lead MAJCOMs (L-MAJCOM) and their responsibilities. Use of the term, L-MAJCOM, will imply HQ Air Combat Command (ACC). The major changes include: establishment of the Air Force Joint Exercise Coordination Team (AFJECT) which maintains the Global Exercise Schedule (GES), consolidation of specific exercise responsibilities into Air Force Participation Matrices which can be tailored to unique exercise requirements and expanding the scope of the instruction to include other Services and joint events. The revised participation matrix (Table 3.1) attempts to strike a cost-effective balance between available resources (personnel, equipment, and financial) and the Air and Space Operations Center (AOC) support required by the various training programs, exercises, and events. Additionally, funding and man-day issues associated with designated training events will not be addressed in this instruction. Funding and man-day issues will be adjudicated at the Initial Planning Conference (IPC).

(ACC) This document is updated to include additional requirements for the 505th Command and Control Wing, Detachment 1, in support of the planning and the execution of exercises that fall under the auspices of this AFI. The position of Intelligence Surveillance Reconnaissance Liaison Officers (ISRLO) has been identified in sections of Chapter 4, the Air Force Training Objectives.

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Chapter 1

INTRODUCTION AND COMPLIANCE

1.1. Introduction. This instruction provides guidance and responsibilities for Air Force MAJCOMs that are engaged in replicating for training purposes AOC functionality and operational functions of air, space, and cyberspace power. This includes Joint, Air Force, and Service exercise and training programs accredited within the JNTC. The intent is to provide realistic and scalable AOC products, and processes functionality appropriate to the organizational level of the training audience. Depending on the specific training program, exercise, or event, the training audience may range from the operational level of the Joint/Combined Force Commander to airmen, soldiers, sailors, and marines at the tactical level.

1.1.1. Air Force participation overlays elements of air, space, and cyberspace power doctrine by replicating the air component products, processes, and the effects of air, space, and cyberspace power employment. The intent is to demonstrate and establish an understanding within the training audience of the full air, space, and Information Operations (IO) capabilities presented through the Combined or Joint Force Air Component Commander (CFACC or JFACC C/JFACC), and the Combined or Joint Air Operations Center (CAOC or JAOC C/JAOC). Effective synchronization of air, space, and cyberspace power effects into the ground scheme of maneuver and/or maritime employment concepts will enhance future joint contingency operations. Likewise, Air Force General Officer (GO) participation will build a cadre of senior officers who have an understanding of Joint doctrine and decision-making processes at the operational and tactical levels.

1.1.2. Air Force enablers include Senior Mentors (SM), Observer/Trainers (OT), Command and Control (C2) Trainers/Supervisors, Controllers, a GO Subject Matter Expert (SME), Modeling and Simulation (M&S) capabilities with associated databases and SME support, and a Deputy Exercise Director for Air and Space (DEDAS).

1.1.3. The Air Force participants include AOC personnel, the Air Component Coordination Element (ACCE) Director and support staff, and those elements of the Theater Air Control System (TACS) and Battlefield Weather (BW) that are integrated with their USA Component. The ACCE and appropriate TACS and BW elements, as outlined in Table 3.1, will support Battle Command Seminars (BCS), planning/execution of training programs, and exercises.

1.1.4. Specific requests for Air Force (training audience and or enablers) participation will be submitted by each MAJCOM or Joint/Service users on an annual basis utilizing the Joint Training Information Management System (JTIMS) to the L-MAJCOM. ACC/A3J will prioritize and provide process adjudication oversight through the AFJECT. Failure to submit a request for support in accordance with AFJECT established scheduling criteria will result in no support being provided.

1.1.5. Consistent with resource and fiscal constraints, this instruction will provide levels of effort to properly integrate air, space, and cyberspace power to meet AF and Joint/Service training objectives. Participating MAJCOMs will publish supplements to this instruction to further define operational, logistical, and administrative support requirements and responsibilities.

1.2. Background. The Memorandum of Agreement (MOA) for Army/Air Force Liaison Support, dated 23 January 2008, provides Service guidance to USA and USAF Major Commands for Liaison duties during home station training, collective training, and deployed operations. This MOA addresses participation within USA training events by USAF ACCE and appropriate Tactical Air Control Parties (TACP) and Battlefield Weather (BW) personnel. Subsequently, the Chief of Staff of the Air Force (CSAF) promulgated additional guidance directing MAJCOMs to “provide a one or two-star Joint Force Air Component Commander (JFACC) capable GO for all Corps and select Division-level BCTP exercises that occur in a MAJCOM’s respective Area of Responsibility (AOR). Additionally, the MAJCOMs will provide a tailored AOC-trained response cell to support the GO and provide the requisite level of intelligence, strategy, combat plans, and combat operations support necessary to adequately plan, supervise, and execute the air component portion of the exercise.” AFI 10-1701, *Air Force Participation in the Army Battle Command Training Program under the Joint Training Transformation Initiative*, codified the MOA and CSAF guidance. JTTI is a Chief of Staff of the Air Force and Chief of Staff of the Army (CSA) initiative to improve air, space, and cyberspace power fidelity to BCTP, a USA training event for senior commanders and their staffs, as well as improving ground component fidelity to AF operational-level exercises. OSD’s JNTC initiative began expanding the JTTI concept. JNTC is an initiative to provide persistent joint context to existing training programs to improve the overall war fighting capability of the total force. This gradually took JTTI beyond the scope of the original instruction.

1.3. Applicability and Compliance. Active component, Reserve, and National Guard units/personnel either providing AOC functionality to Joint/Service training programs or integrated with USA units are governed by this instruction. Responsibility for successful implementation of this instruction rests with MAJCOM Directors of Operations or (delegated) equivalent.

Chapter 2

RESPONSIBILITIES

2.1. HQ USAF/A3O-AT Responsibilities. HQ USAF/A3O-AT is the Office of Primary Responsibility (OPR) providing oversight and guidance for Air Force JTTI. USAF/A3O-AT will coordinate changes to this instruction with the MAJCOMs and Air Staff offices or organizations. USAF/A3O-AT will coordinate training opportunities with the Air Force General Management Office (USAF/DPG) for senior personnel participating in the events covered by this instruction that directly support Horn of Africa, Operation Enduring Freedom, Operation Iraqi Freedom, and other areas of responsibility as required.

2.2. L-MAJCOM Responsibilities. HQ ACC will coordinate with Joint Forces Command (JFCOM), AF Component Commands, and other services to facilitate actions related to this Air Force instruction. ACC/A3J chairs the AFJECT which will coordinate and prioritize all submitted events. AFJECT also maintains the GES which provides a coherent view of exercise events and potential points of resource conflicts and shortfalls.

2.3. MAJCOM Responsibilities. Provide command oversight and management of Air Force participation in JTTI/JNTC and Service events. MAJCOMs will:

2.3.1. Coordinate with Joint/Service counterparts on AF training objectives and requirements and on event schedules, funding, and M&S tools and applications. MAJCOMs should acknowledge funding requirements for exercises in their budget submissions.

2.3.1. (ACC) ACC/A3Y, ACC Exercises and Joint Operations Division, will coordinate with Joint/Service counterparts on level of support available from USAF and ACC units. ACC/A3Y will also determine USAF training audience, training requirements, event schedules, funding, and Modeling and Simulation (M&S) tools and applications available to support the exercise events.

2.3.2. Coordinate training objectives with AF participants.

2.3.2. (ACC) ACC/A3F, ACC Joint Integration Division, will delegate coordination and development of TACP training objectives to the 93 AGOW.

2.3.2.1. (Added-ACC) AF training objectives may be selected from AFI 10-251, Chap 4.

2.3.2.2. (Added-ACC) Tailored unit training objectives will be coordinated and provided to 505 CCW Det 1 NLT the Main Planning Conference (MPC).

2.3.3. Coordinate with AF/DPG to identify a JFACC-capable GO to participate as the SME or SME/ACCE Director.

2.3.3. (ACC) ACC/A1L, ACC Senior Leader Management, will coordinate with COMACC and the Air Force General Officer Management Office (AF/DPG) to identify a JFACC-capable General Officer (GO) to participate as the Subject Matter Expert (SME) or Air Component Coordination Element (ACCE) Director within ACC. If ACC is unable to provide a qualified GO, ACC/A1L will coordinate inter-MAJCOM sourcing with AF/DPG and inform AF/A3O-AT.

2.3.3.1. When the MAJCOM is unable to provide a JFACC-capable GO, request assistance from USAF/DPG and notify USAF/A3O-AT.

2.3.3.1. **(ACC)** ACC/A3Y will coordinate for a GO adjutant/executive officer for administrative support during the exercise.

2.3.3.2. Forward selected GO's name to USAF/A3O-AT and United States Air Force Warfare Center (USAFWC) not later than two months prior to the BCS for BCTP events or two months prior to the Start of Exercise (STARTEX) for other training programs.

2.3.3.2. **(ACC)** ACC/A3Y will forward selected GO's name to AF/A3O-AT and United States Air Force Warfare Center not later than 2 months prior to the Mission Command Seminar for Mission Command Training Program (MCTP) events or 2 months prior to the Start of Exercise for other training programs.

2.3.4. Schedule Operational Command Training Program (OCTP) participation.

2.3.4. **(ACC)** ACC/A3Y will provide a schedule of exercise/events for Operational Command Training Program participation.

2.3.5. Identify training audiences/objectives and level of support available from MAJCOM resources. If specific resources are unavailable (e.g. SME, SM, AOC), notify and request assistance from the L-MAJCOM.

2.3.5. **(ACC)** ACC/A3Y will identify the level of support required from other MAJCOMs (e.g., SMEs and augmentees). If ACC/A3Y is unable to fund identified requirements, A3Y will notify AF/A3O-AT as soon as possible.

2.3.5.1. **(Added-ACC)** ACC/A3Y and 505 CCW Det 1 will determine Exercise Support Manning Document (ESMD) and Exercise Manning Document (EMD) for AF support to the JNTC exercise.

2.3.6. Publish a MAJCOM tasking order to include participation by all applicable elements of TACS and designate host unit at exercise/event location(s).

2.3.6. **(ACC)** ACC/A3Y will publish an ACC tasking order to include participation by all applicable elements of Theater Air Control System (TACS) and designate host unit at exercise/event location(s). This tasking order should be published NLT the MPC so applicable elements can be included in the Air and Space Power portion of the Exercise Memorandum of Instruction (MOI).

2.3.7. **(Added-ACC)** ACC/A3Y will obtain exercise/event schedule and include these requirements in Air Force Joint Exercise Coordination Team (AFJECT) Scheduling Conferences.

2.3.8. **(Added-ACC)** ACC/A3Y will prioritize AOC Response Cell taskings in accordance with the AFJECT scheduling conference.

2.3.8.1. **(Added-ACC)** If the AOC Response Cell is not available, ACC/A3C, ACC C2ISR Operations Division, will recommend sourcing solution based on available AOC units. Any positions ACC/A3C cannot fill as the AOC functional area manager or via Air Reserve Components, will be handled IAW AFI 10-401, *Air Force Operations Planning and Execution*, and ACC tasking/shortfall policy and procedures.

2.3.9. **(Added-ACC)** ACC/A3F, in coordination with the 93 AGOW, will identify Air Support Operations Group (ASOG), Air Support Operations Center (ASOC) and Air Support Operations Squadron (ASOS) participation. Provide ACC/A3Y a recommended course of action (COA) in the event of requirement shortfall NLT the MPC for inclusion in the tasking order and Exercise MOI.

2.3.10. **(Added-ACC)** ACC/A3C will identify Control and Reporting Center (CRC), Joint STARS (JSTARS), and potentially Unmanned Aircraft System (UAS) response cell participation if applicable. Provide the ACC/A3 a recommended COA in the event of requirement shortfall. Provide this information to ACC/A3 prior to the MPC for inclusion in the tasking order and MOI.

2.3.11. **(Added-ACC)** ACC/A3Y will attend planning conferences to determine exercise requirements.

2.3.12. **(Added-ACC)** ACC support to JTTI events is contingent upon funding.

2.4. Air Force General Officer Responsibilities. The USAF GO's overall responsibility is to be a SME providing a senior level, doctrinally correct, air, space, and cyberspace power perspective to Joint Task Force (JTF), Service/Component Commanding Generals (CGs), and their respective staffs. SMEs must become familiar with the joint methodology and processes associated with planning and executing inside the respective Area of Operations (AO). SMEs are not part of the training audience. The SME is only required to attend the exercise execution phase. The officer should arrive 1 to 2 days prior to the execution phase.

2.4.1. For Corps-level events where either the Corps is the Combined Force Land Component Commander (CFLCC) or the Corps is certifying as a Combined Joint Task Force (CJTf), the SME will become the ACCE Director and be part of the training audience. During mission rehearsal exercises, the SME should become the ACCE director only when the exercising Corp will receive an ACCE once deployed to theater. ACCE Director should attend the BCS, or other scheduled academics, and the execution phase of the exercise or event. ACCE Director retains SME responsibilities (SME/ACCE Director).

2.4.2. **(Added-ACC)** GOs identified to participate in a Mission Rehearsal Exercise (MRX) due to an upcoming assignment to the Area of Operations will participate in the capacity relating to that assignment.

2.5. USAF Warfare Center (USAFWC) Responsibilities. USAFWC will:

2.5.1. Obtain BCTP schedules, coordinate with participating MAJCOMs, and provide copies of the schedule to the L-MAJCOM.

2.5.1. **(ACC)** 505 CCW Det 1 will obtain BCTP schedules and provide to ACC/A3Y.

2.5.2. Coordinate event scenarios, schedules, and Exercise Director Guidance with all appropriate personnel and units. Forward USA/Joint/Service objectives to appropriate AF participants.

2.5.2. **(ACC)** 505 CCW Det 1 will integrate exercise/event scenarios, coordinate schedules and Exercise Director Guidance with all appropriate personnel and units. Cross flow Joint/Service objectives to all appropriate exercise participants.

2.5.3. Contact SME, SM, and participating organizations to provide exercise details. Direct Liaison Authorized (DIRLAUTH).

2.5.3. (ACC) 505 CCW Det 1 will contact SMEs (GOs), Senior Mentors (Highly Qualified Experts (HQE)), augmentees, and participating organizations to provide exercise details and coordinate schedules. Direct Liaison Authorized (DIRLAUTH).

2.5.4. Create the Air and Space Power section of the exercise's Memorandum of Instruction (MOI).

2.5.4. (ACC) 505 CCW Det 1, after the MPC, will consolidate inputs from ACC/A3Y, ACC/A3F, 93 AGOW, participating units (ASOG, ASOC, and ASOS), and publish the Air and Space Power enclosure of the MOI. Once signed/published the MOI becomes a contract between participating units.

2.5.4.1. (Added-ACC) ACC/A3Y will provide 505 CCW Det 1 the names of all USAF training audiences and response cells and available ACC levels of support not later than (NLT) the MPC in order to create the MOI and EMD.

2.5.5. Participate in the pre-exercise briefs and the post-exercise After-Action Review (AAR) for AF participants and inform the MAJCOM of results.

2.5.5. (ACC) 505 CCW Det 1 will:

2.5.5.1. (Added-ACC) 505 CCW Det 1 team chief will coordinate pre-exercise academics with the 93 AGOW and participating ASOG, ASOS, HQE and SME's based on scenario and training objectives.

2.5.5.2. (Added-ACC) Consolidate inputs and facilitate the mid and post-exercise After-Action Review (AAR) for AF participants in accordance with 505 CCW Chief Observer/Trainer (CHOT).

2.5.6. Provide the Deputy Exercise Director for Air and Space, Team Chief, and additional Observer/Controller/Trainers, as required.

2.5.6. (ACC) 505 CCW Det 1 will provide the Deputy Exercise Director for Air and Space, Exercise Control (EXCON) Team Chief, and CHOT to coordinate/manage the AF team.

2.5.7. Draft the Air and Space Power input to the AARs and the Final Exercise Report.

2.5.7. (ACC) 505 CCW Det 1 will draft the Air and Space Power input to the formal AARs and BCTP Final Exercise Report.

2.5.8. Provide final AAR from each exercise to MAJCOM and USAF/A3O-AT after each event not later than (NLT) 30 days after the End of the Exercise (ENDEX).

2.5.8. (ACC) 505 CCW Det 1 will provide a written AF AAR from each exercise to ACC/A3Y and AF/A3O-AT after each event NLT 30 days after the end of the exercise.

2.5.9. (Added-ACC) 505 CCW Det 1 will designate/provide the lead military planner for ACC in BCTP planned/co-planned and executed MRX, Warfighter/Full Spectrum Exercise, and Mission Command Seminars.

2.5.10. **(Added-ACC)** 505 CCW Det 1 will review USAF (ASOC/ASOS/CRC/JSTARS/UAS) unit training objectives for inclusion in exercise scenario planning consistent with ACC support and resources.

2.5.11. **(Added-ACC)** 505 CCW will coordinate radio simulation equipment requirements and key components of the TACS systems of record (TACP exercise requirements) in the exercise based on available resources.

2.5.11.1. **(Added-ACC)** If support is needed at more than two locations, the ability to support will be based on priorities set during the IPC.

2.5.12. **(Added-ACC)** 505 CCW will provide air and space M&S capability and expertise as determined at the exercise IPC based on ACC/A3Y guidance and available resources. Coordinate additive M&S capability (e.g., DoD Air and Space Natural Environment M&S), as appropriate. Coordinate agreed upon M&S support with BCTP and/or National Simulation Center.

2.5.13. **(Added-ACC)** 505 CCW will schedule AOC Response Cell IAW United States Joint Forces Command and ACC/A3Y priorities.

2.5.14. **(Added-ACC)** 505 CCW will coordinate AF Senior Mentor (HQE) requirements with the hosting AF unit.

2.5.15. **(Added-ACC)** 505 CCW will coordinate AF Senior Mentor (HQE) support to prepare/train SME or SME/ACCE Director as appropriate.

2.5.16. **(Added-ACC)** 505 CCW will provide SME in exercise design and control for non-ACC events, if funded by requesting MAJCOM/Service and tasked by ACC.

2.6. Operational Command Training Program Responsibilities. Provide designated AF SM. Provide OT support as needed. OTs will advise and assist the SM. The SM is an advisor. The SM will:

2.6. (ACC)AF Senior Mentors (HQE) along with designated Det 1 CHOT should attend MAJCOM prioritized/approved Mission Command Seminar and the execution phase of Corps/Division events.

2.6.1. Coordinate OT requirements.

2.6.2. Attend the BCS and the execution phase of Corps and Division events. Attendance by an OT is optional.

2.6.3. Mentor the SME/ACCE Director. Assign OT mentor support for O-6 level and below, as needed.

2.6.4. Interface with the Exercise Director and USA SMs.

2.7. Air and Space Operations Center (AOC) Responsibilities. The AOC provides doctrinally correct operational-level air, space, and cyberspace products, services, and capabilities to meet exercise requirements. The AOC will:

2.7.1. Facilitate proper integration of the Battlefield Coordination Detachment (BCD). If BCD is not available, then a white cell will be used.

2.7.2. Support the ACCE, as required.

2.7.3. Use the theater Air Operations Directives (AOD) for the AOR and the specific operation for which the unit is planning to deploy as the planning starting point. All air, space, and cyberspace products will then be modified using guidance from the Exercise Director and the Joint Air Estimate Process.

2.7.3.1. If an AOR specific AOD is not used, develop a notional AOD in accordance with MAJCOM guidance.

2.7.4. Enable all systems to ensure connectivity with appropriate exercise participants.

2.7.5. Produce AODs, Air Defense Plans (ADPs), Air Tasking Orders (ATOs), Airspace Control Orders (ACOs), Airlift Movement Tables (AMT), Special Instructions (SPINS), Rules of Engagement (ROE), Collection Management Plan (CMP), Communications Plan, Information Operations (IO) plan, and an Intelligence Surveillance Reconnaissance (ISR) plan to the degree required by the training audience's training objectives, consistent with doctrine and theater directives. The AOC may be responsible for producing the Master Air Attack Plan (MAAP) and Intelligence Summaries (INTSUM) to meet AF GO requirements.

2.7.6. Establish a Theater Air Control System to include subordinate elements down to Brigade level.

2.7.7. Participate in conferences, seminars, and events, as required.

2.8. Theater Air Control Systems (TACS) Responsibilities. The supporting TACS elements, provide doctrinally correct tactical level decentralized levels of control of the JFACC's air assets as determined at the initial planning conference. Appropriately tasked TACS representatives will attend applicable planning conferences, academics, Battle Command Seminars, and will coordinate with the USAF exercise planner personnel regarding that participation. Additionally, funding and man-year support issues should be addressed at the initial planning conference

2.8. (ACC)Theater Air Control Systems (TACS) Responsibilities. ACC planning will include AF intelligence, surveillance and reconnaissance (ISR) assets in support of ground maneuver, as determined at the initial planning conference.

2.8.1. In addition, the Air Support Operations Center (ASOC) should be part of the training audience when Corp or Division is acting as a JTF. The ASOC will manage the Joint Air Request Net (JARN) and process immediate air support requests (ASR). Simulation will be used as much as possible to enhance training.

2.8.2. When response cells are used, white cell members will be selected based on their experience and required training needs. Additional personnel will simulate strike aircraft on the tactical data network while interfacing with USAF Observers/Trainers, supervisors, and white cell personnel to include M&S operators in order to simulate realistic close air support (CAS) effects.

2.8.3. In addition, the Air Support Operations Squadron (ASOS) will provide Tactical Air Control Parties (TACP) to plan the operation with the Army using Military Decision Making Process (MDMP), man applicable Army Tactical Operations Centers, submit immediate ASRs, and perform all other duties that TACPs normally provide. This includes providing radios for the JARN.

2.8.4. Either an ASOS or Weather Squadron (whichever has Battlefield Weather forces habitually aligned with the Army exercising unit) will provide Battlefield Weather resources to integrate meteorological impacts into the Army's MDMP.

2.8.4. (ACC) Either a Weather Squadron, Detachment, or Operation Location (whichever has Battlefield Weather forces habitually aligned with the Army exercising unit) will provide Battlefield Weather resources to integrate weather and weather impact information into the Army's MDMP.

2.8.5. (Added-ACC) 93 AGOW will:

2.8.5.1. (Added-ACC) Appoint a 93 AGOW lead project officer for each exercise prior to the IPC.

2.8.5.2. (Added-ACC) Designate a Lead Planner from the tasked Air Support Operations Group prior to the IPC.

2.8.5.3. (Added-ACC) Assist the Lead Planner, tasked and supported/supporting unit and agency contacts, and ensures DIRLAUTH is established between those agencies.

2.8.5.4. (Added-ACC) Assist in the review and development of, and approve subordinate units' specific training programs and objectives for participating in exercises covered by this Instruction. Ensure these include:

2.8.5.4.1. (Added-ACC) Mission Essential Task Lists (METLs), systems, and procedures.

2.8.5.4.2. (Added-ACC) Milestones and schedule for completion.

2.8.5.4.3. (Added-ACC) 93 AGOW will designate instructor for additional courses required for pre-exercise academics.

2.8.5.5. (Added-ACC) Assist subordinate units and coordinate with 505 CCW Det 1 to shape the environment and develop/implement training objectives in exercise events to accomplish all required training.

2.8.5.6. (Added-ACC) Assist in the preparation of, and host a web-based tracker for joint training for subordinate units. Monitor checklist updates to document completion of training requirements.

2.8.5.7. (Added-ACC) Attend planning conferences as the lead project officer for 93 AGOW exercise participation, as required and when available.

2.8.5.8. (Added-ACC) Designate the unit (Wing or Group) to conduct pre-exercise academics.

2.8.6. (Added-ACC) Tasked TACP units will:

2.8.6.1. (Added-ACC) Establish their training requirements using the ASOC and TACP MRX METLs found at ACC/A3FC web page <https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC1344720FB5E044080020E329A9&command=org> for participation in joint training events. Provide unit training objectives to the 93 AGOW lead project officer and 505 CCW Det 1. 93 AGOW lead project officer and/or designated TACP unit representatives will meet with 505 CCW Det 1 exercise planners not later than the IPC to discuss training requirements.

2.8.6.2. **(Added-ACC)** Prepare and send their exercise spin-up training program to 93 AGOW. Training program should include specific training requirements/objectives, milestones and schedule to accomplish exercise/pre-deployment training, and additional courses required. This training program should also include all systems applications and operational level processes. The following is a beginning, but not an all-inclusive, list of systems/processes:

2.8.6.2.1. **(Added-ACC)** Common Operating Picture systems in use by supported, supporting, and partner organizations. These currently include items such as TACP-CASS and the ASOC Gateway (for Digital CAS), JADOCS, CPOF, FBCB2/BFT, and generalized IT training.

2.8.6.2.2. **(Added-ACC)** Distribution systems such as TBMCS (ESTAT, WARP, and AAT) and AFATDS.

2.8.6.2.3. **(Added-ACC)** Theater C2 systems and applications.

2.8.6.2.4. **(Added-ACC)** Analysis and mission planning systems such as Falcon View and other Collaborative Tools.

2.8.6.3. **(Added-ACC)** Report training accomplishments as they occur to 93 AGOW and update checklist items with completion dates.

2.9. Hosting Air Force Unit Responsibilities. The Hosting Unit will be designated in the MAJCOM tasking message. The Hosting Unit will:

2.9.1. Coordinate protocol support for the SME/ACCE Director and SM.

2.9.2. Conduct the pre-exercise brief(s) and the post exercise AAR for AF participants.

2.10. Combined Arms Center (CAC) Staff Weather Officer (SWO) Responsibilities. The CAC SWO will:

2.10.1. Support the CAC Research Activity in developing weather scenarios for joint war-gaming exercises.

2.10.1. **(ACC)** Support the CAC in developing weather scenarios and meteorological data, leveraging Air and Space Natural Environment M&S resources as appropriate, for BCTP sponsored Corps/Division level joint war fighting events.

2.10.2. Provide weather effects information on friendly and enemy forces to joint war-gaming.

2.10.2. **(ACC)** Provide weather effects information on friendly and enemy forces in BCTP joint war fighting events.

2.10.3. Act as the OT SME for weather under direction of the DEDAS.

2.10.3. **(ACC)** Coordinate Staff Weather Officer augmentee support as needed.

Chapter 3

AIR FORCE PARTICIPATION

3.1. Air Force support for BCTP/JTTI events.

3.1.1. This section defines the “scalable level of support” for Corps, Division (Div), and Brigade (Bde) level exercises from Active, Reserve, and National Guard component units. Representative Air Force participation for the various levels of USA exercises are shown in Table 3.1. Actual support will be based on the exercise requirements determined at the planning conference(s).

Table 3.1. Air Force BCTP Participation Matrix.

Echelon	GO Role	GO Support Staff	OCTP (Senior Mentor)	OCTP (OT)	AOC Note 2, 3, 6	JFACC	AMLO (Air Mobility Liaison Officer)	Defense Transportation System (DTS) Functions
Corps / Div JTF (MRX/CERTX)	SME/ACCE Director	ACCE Team	Required	Tasked Note 1	MAJCOM sourced	Yes	Corps AMLO	Support as required
Corps WFX	SME	1 SME	Required	N/R	MAJCOM Sourced	As required	Corps AMLO	Response Cell
Div MRX/WFX	SME	1 SME	Required	N/R	MAJCOM Sourced	N/A	Div AMLO	Response Cell
ARNG Div WFX	N/A	N/R	Required	N/R	ANG sourced	N/A	Div AMLO	Response Cell
Bde WFX	N/A	N/R	Optional	N/R	Response Cell Note 4	N/A	N/A	N/A

Table 3.2. Cont.

Echelon	HICON (Higher Control) Response Cell	C2 / COMM Support	PCF / M&S Support	ASOC	Battlefield Weather (BW)	ASOS	Avg # per year	Exercise Name
Corps / Div JTF (MRX/CERTX)	Yes	MAJCOM sourced	As required to support Trng Obj & desired effects	Aligned ASOC Note 5	Aligned with Corps	Aligned with multiple Div	1	Unified Endeavor
Corps WFX	Yes	MAJCOM sourced	As required to support Trng Obj & desired effects	Aligned ASOC Note 5	Aligned with Corps	Aligned with Div	1	
Div MRX / WFX	Aligned ASOG	MAJCOM sourced	As required to support Trng Obj & desired effects	Aligned ASOC Note 5	Aligned with Div	Aligned with Div	3	
ARNG Div WFX	Response Cell Note 7	MAJCOM sourced	Army M&S	ANG ASOC Note 5 Note 7	Aligned with Div	Aligned TACP	2	
Bde WFX	Aligned ASOG	Organic Comms	Army M&S	Aligned ASOG Note 5	Aligned with Bde	Aligned with Bde	10	

Notes:

1. Normally one observer trainer from OCTP.
2. Normally a 20-30 person AOC Functional Cell. If aligned with a BLUE FLAG exercise a larger AOC function will be required.
3. Air Mobility Director must ensure situational awareness of airlift prioritization and support, if being played by HICON. ACC and Air Mobility Command (AMC) planners will evaluate each exercise to determine support required. AMC, in coordination with ACC, will tailor AMC support to achieve training priorities and objectives.
4. USAFWC may require augmentation to accomplish the AOC function.
5. The level of support will be determined during the planning conference.
6. Aeromedical Evacuation (AE) SME participation will be the same level as AMLO column. AE support is only required when the exercise involves fixed wing movement of patients.
7. HICON and ASOC are not applicable (N/A) for ARNG Bde level WFX because ANG ASOGs are not aligned with ARNG brigades.

3.2. Air Force support for the United States Navy/United States Marine Corps (USN/USMC).

3.2.1. The level of AF participation in USN/USMC events/exercises will be coordinated and established during early concept development and initial planning conferences. Air Force participation will be tailored to specific event requirements and will be dependent on available resources.

Chapter 4

AIR FORCE TRAINING OBJECTIVES

4.1. Corp/Division Certifying CFLCC or CJTF Level Training Objectives.

Table 4.1. Corps/Division Certifying CFLCC or CJTF Level Training Objectives.

This section defines a baseline set of Training Objectives (TO) for AF units participating with Corps exercising as a CFLCC or as a CJTF. However, the training objectives provided below may be altered at the Initial Planning Conference (IPC) or Concept Development Conference (CDC) with concurrence of the Exercise Director (ED) and participating MAJCOM.

AF Internal Training Objectives	<ul style="list-style-type: none"> - Train Air Support Operations Center (ASOC), Tactical Air Control Party (TACP), Air Mobility Liaison Officer (AMLO), SWO, Control and Reporting Center (CRC), JSTARS, and AWACS personnel in the planning/execution of Joint air, space, and cyberspace power, to include CAS, Air Interdiction (AI), Mobility, AE, and ISR - Integrate air, space, and cyberspace power and information operations with ground maneuver assets - Accurately represent the Preplanned and Immediate Air Request process - Integrate Meteorology and Oceanography (METOC) impacts information and subject matter expertise directly into USAF/USA planning and operations to derive operational and tactical advantages through the exploitation of weather information at the right time and place in the MDMP - Integrate TACS processes - Demonstrate the effectiveness of air, space, and cyberspace power effects on operations in an integrated USAF/USA event - Train AF GO as ACCE Director - Integrate both close air support and air interdiction in the same operational environment
Focused Training Methods	<ul style="list-style-type: none"> - Academics - Battle Command Seminar - Workshops to include CAS, AI, Mobility, Space, and ISR - External forces to enable use of operational equipment
AOC Crew	<ul style="list-style-type: none"> - Gain currency and proficiency with AOC functional processes in conjunction with component counterparts in working ground maneuver force operations - Gain proficiency with operational AOC weapon system equipment, applications, and services

	<ul style="list-style-type: none"> - Control the execution of joint air, space, and cyberspace operations by vertically integrating with subordinate elements of the TACS and horizontally integrating with and coordinating joint operations with other components - Exposure to dynamic targeting decision process in a fluid battlespace - Produce, disseminate, and dynamically modify/change and distribute AOC products to include AOD, ACO, AMT, ROE, SPINS, daily ATO, Situation Reports (SITREPS), and other reports/briefs, as required - Gain currency and proficiency with AOC functional processes in conjunction with opening and closing killboxes for air interdiction - Employ and validate Air Force Tactics, Techniques, and Procedures (AFTTP) 3-3.AOC, Operational Employment – Air and Space Operations Center (Only is aligned with a Blue Flag type exercise)
ACCE Director	<ul style="list-style-type: none"> - Learn the Army MDMP process - Gain experience leading an ACCE Team in liaison/integration/interface with supported command structure to articulate C/JFACC's air campaign plan support to the ground scheme of maneuver - Understand the integration of air, space, and cyberspace power with ground maneuver assets - Comprehend C/JFACC Air Order of Battle and relate to Army Commander and staff - Exchange current intelligence and operational data, support requirements, and coordinate the integration of Air Force Forces (AFFOR) and C/JFACC Airspace Control Measures (ACM), Joint Fire Support Coordinating Measures (FSCM), and CAS - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
ACCE Team	<ul style="list-style-type: none"> - Comprehend the Army MDMP process - Support ACCE Director in liaison/integration/interface with supported command structure to articulate JFACC's air campaign plan to support the ground scheme of maneuver - Support ACCE Director in assisting the supported commander's staff in planning air component supporting and supported requirements - Exchange current intelligence and operational data, support requirements, and coordinate the integration of AFFOR and C/JFACC

	<p>ACM, joint FSCM, and CAS</p> <ul style="list-style-type: none"> - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
ASOC	<ul style="list-style-type: none"> - Comprehend ground maneuver force operations - Gain proficiency with operational equipment - Brief senior Army commander on proper integration of air, space, and cyberspace power - Effective planning, coordination, direction, and control of theater air forces in support of land forces maneuver and fire objectives - Demonstrate effective procedural control of assigned aircraft - Facilitate decentralized execution of immediate air support - Optimize coordination, direction, and control of CAS, AI, time-sensitive/critical targeting, and Suppression of Enemy Air Defenses (SEAD) operations within an assigned AO - Establish, maintain, and operate the autonomous reach-forward and reach-back communications architecture/infrastructure necessary for the Air Force Air Request Net (AFARN) and/or Joint Air Request Net (JARN) - Provide Operational Control (OPCON) or Operational Direction (OPDIR) (when authority is delegated from the C/JFACC) of subordinate TACPs to include directing and controlling maintenance efforts of assigned units - Ensure ASOC participation in mission and fire support rehearsals - Accurately distribute AOC products to include AOD, ACO, AMT, ROE, SPINS, daily ATO, SITREPS, and other reports as required - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel - Be able to articulate the planning and coordination required for both CAS and AI within the ASOC's sector. Ensure the Army ground

	commander is conversant with C/JFACC's options for air-delivered munitions
TACP	<ul style="list-style-type: none"> - Effectively integrate air, space, and cyberspace power with ground maneuver assets - Advise ground commander of the capabilities and limitations of air, space, and cyberspace power and assist ground commander in planning, requesting, and coordinating CAS - Monitor JARN - Incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Perform Joint Mission Task List Items - Promote effects-based use of air, space, and cyberspace power supporting maneuver forces - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
AMLO	<ul style="list-style-type: none"> - Process mobility requests - Exercise Joint Mobility Control process - Advise Army on airlift capabilities
JMO/CFLCC METOC Officer	<ul style="list-style-type: none"> - Perform as functional coordinator for METOC assets within CJTF/CFLCC Joint Operations Area (JOA) - Identify and request any external METOC resources required to meet CJTF objectives (CJTF only) - As Joint Force Meteorological and Oceanographic Officer (JMO), coordinate with Combat Commander (COCOM) Senior METOC officer and subordinate Joint functionals - As CFLCC METOC officer, coordinate with JMO and subordinate functionals - Integrate timely, relevant, accurate, and consistent METOC information and impacts for exploitations through the joint planning process - Proficiently exercise operational equipment
TACS	<ul style="list-style-type: none"> - Gain currency and proficiency with TACS/Theater Air Ground System (TAGS) functional processes in conjunction with component

	<p>counterparts in working ground maneuver and air defense force operations</p> <ul style="list-style-type: none"> - Gain proficiency with CRC and Air Defense Artillery Fire Coordination Officer (ADAFCO) Tactics, Techniques, and Procedures (TTPs) - Control the execution of joint air, space, and cyberspace operations by vertically integrating with senior elements of the TACS and horizontally integrating with the elements of the TACS/TAGS, and coordinating joint operations with other components - Execute planned and/or dynamically changing AOC products to include: ATO, AOD, ACO, ADP, AMT, ROE, and SPINS - To receive and produce SITREPS and other reports/briefs, as required - Exchange current intelligence and tactical operational data, and coordinate the integration of AFFOR and C/JFACC Airspace Control Measures, Joint Fire Support Coordinating Measures, and CAS. - Comprehend dynamic targeting decision process in a fluid battlespace - Effective planning, coordination, direction, and control of theater air forces in support of land forces maneuver and fire objectives - Demonstrate effective procedural control of assigned aircraft and airspace - Facilitate decentralized execution of immediate air support - Optimize coordination, direction, and control of CAS, AI, time-sensitive/critical targeting, and SEAD operations within an assigned AO - Establish connectivity when required and maintain presence on the Air Force Air Request Net and Joint Air Request Net - Gain proficiency with CRC and ADAFCO Tactics, Techniques, and Procedures (TTPs) - Control the execution of joint air, space, and cyberspace operations by vertically integrating with senior elements of the TACS and horizontally integrating with the elements of the TACS/TAGS, and coordinating joint operations with other components
AE SME	<ul style="list-style-type: none"> - Process patient movement requests - Exercise Joint Patient Movement process - Advise Army on AE capabilities
SWO	<ul style="list-style-type: none"> - Integrate timely, relevant, accurate, and consistent METOC information and impacts for exploitation through the MDMP via reachback to Higher Headquarters (HHQ) BW personnel or when available, via in-place direct support

	<p>When BW personnel are in-place to provide direct support:</p> <ul style="list-style-type: none"> - Perform as functional coordinator for METOC assets within Brigade AOR - Practice coordination procedures with HHQ SWO - Proficiently exercise operational equipment
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Table 4.1. (ACC) Corps/Division Certifying CFLCC or CJTF Level Training Objectives.

<p>AF Internal Training Objectives. (Added)</p>	<ul style="list-style-type: none"> - Train Air Support Operations Center (ASOC), Tactical Air Control Party (TACP) including ISR Liaison Officer (ISRLO) if assigned, Air Mobility Liaison Officer (AMLO), SWO, Control and Reporting Center (CRC), JSTARS, and AWACS personnel in the planning/execution of Joint air, space, and cyberspace power, to include CAS, Air Interdiction (AI), Mobility, AE and ISR - Integrate both close air support and air interdiction and ISR in the same operational environment
<p>ASOC. (Added)</p>	<ul style="list-style-type: none"> - Optimize coordination, direction, and control of CAS, AI, ISR, time-sensitive/critical targeting, and Suppression of Enemy Air Defenses (SEAD) operations within an assigned AO - Be able to articulate the planning and coordination required for CAS, AI and ISR within the ASOC's sector. Ensure the Army ground commander is conversant with C/JFACC's options for air-delivered munitions
<p>TACS. (Added)</p>	<ul style="list-style-type: none"> - Optimize coordination, direction, and control of CAS, AI, ISR, time-sensitive/critical targeting, and SEAD operations within an assigned AO

Table 4.2. Corps Warfighter Exercise (WFX)/Mission Rehearsal Exercise (MRX) Level Training Objectives.

This section defines a baseline set of training objectives for AF units participating in a Corps WFX/MRX. However, the training objectives provided below may be altered at the IPC or CDC with the concurrence of the ED and the participating MAJCOM.

<p>AF Internal Training Objectives</p>	<ul style="list-style-type: none"> - Train ASOC, TACP, AMLO, and SWO personnel in the planning/execution of Joint air, space, and cyberspace power, to include CAS, AI, Mobility, Space and ISR - Integrate air, space, and cyberspace power and information operations with ground maneuver assets - Accurately represent the preplanned and immediate air request process - Determine meteorological impacts and incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Practice TACS processes - Demonstrate the effectiveness of air, space, and cyberspace power effects on operations in an integrated USAF/USA event - Represent environmental impacts on operations in an integrated USAF/USA event - Effectively use fielded operational equipment - Integrate both close air support and air interdiction in the same operational environment
<p>Focused Training Methods</p>	<ul style="list-style-type: none"> - Academics - BCTP Seminar - Workshops to include CAS, AI, Mobility, Space, and ISR - External forces to enable use of operational equipment
<p>AOC Crew</p>	<ul style="list-style-type: none"> - Gain currency and proficiency with AOC functional processes in conjunction with component counterparts in working ground maneuver force operations - Gain proficiency with operational AOC weapon system equipment, applications, and services - Control the execution of joint air, space, and cyberspace operations by vertically integrating with subordinate elements of the TACS and horizontally integrating with and coordinating joint operations with other components - Exposure to dynamic targeting decision process in a fluid battlespace - Produce, disseminate, dynamically modify/change, and distribute AOC products to include AOD, ACO, AMT, ROE, SPINS, daily ATO,

	<p>SITREPS, and other reports/briefs as required</p> <ul style="list-style-type: none"> - Gain currency and proficiency with AOC functional processes in conjunction with opening and closing killboxes for air interdiction - Employ and validate Air Force Tactics, Techniques, and Procedures (AFTTP) 3-3.AOC, Operational Employment – Air and Space Operations Center (Only is aligned with a Blue Flag type exercise)
ASOG	<ul style="list-style-type: none"> - Same as TACP. Provide applicable portions of air support from the Operations Order (OPORD) - Integrate both air support and air interdiction in the same operational environment - Become knowledgeable with C/JFACC’s air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
ASOC	<ul style="list-style-type: none"> - Effectively integrate air, space, and cyberspace power with ground maneuver assets - Incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Effectively establish/operate the JARN - Command, Control, Communications, Computers, and Intelligence (C4I) execution - Become knowledgeable with C/JFACC’s air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel - Be able to articulate the planning and coordination required for both CAS and AI within the ASOC’s sector. Ensure the Army ground commander is conversant with C/JFACC’s options for air-delivered munitions
TACP	<ul style="list-style-type: none"> - Effectively integrate air, space, and cyberspace power with ground maneuver assets - Advise the ground commander of the capabilities and limitations of air

	<p>power and the assist ground commander in planning, requesting, and coordinating CAS</p> <ul style="list-style-type: none"> - Monitor JARN - Incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Perform Joint Mission Task List Items - Promote effects-based use of air, space, and cyberspace power supporting maneuver forces - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned Army personnel - Understand the area reference system utilized in theater along with killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
AMLO	<ul style="list-style-type: none"> - Process mobility requests - Exercise Joint Mobility Control process - Advise Army on airlift capabilities - ACC and AMC planners will evaluate each exercise to determine support required. AMC, in coordination with ACC, will tailor the AMC support to achieve training priorities and objectives
SWO	<ul style="list-style-type: none"> - Perform as functional coordinator for METOC assets within Corps AOR - Practice coordination procedures with CJTF JMO and/or JFLCC METOC Officer - Integrate timely, relevant, accurate, and consistent METOC information and impacts for exploitation through the MDMP - Proficiently exercise operational equipment
TACS	<ul style="list-style-type: none"> - Gain currency and proficiency with TACS/TAGS functional processes in conjunction with component counterparts in working ground maneuver and air defense force operations - Gain proficiency with CRC and ADAFCO Tactics, Techniques, and Procedures (TTPs) - Control the execution of joint air, space, and cyberspace operations by vertically integrating with senior elements of the TACS and horizontally integrating with the elements of the TACS/TAGS, and coordinating joint operations with other components - Execute planned and/or dynamically changing AOC products to

	<p>include: ATO, AOD, ACO, ADP, AMT, ROE, and SPINS</p> <ul style="list-style-type: none"> - To receive and produce SITREPS and other reports/briefs, as required - Exchange current intelligence and tactical operational data, and coordinate the integration of Air Force Forces (AFFOR) and C/JFACC Airspace Control Measures (ACM), Joint Fire Support Coordinating Measures (FSCM), and CAS - Comprehend dynamic targeting decision process in a fluid battlespace - Effective planning, coordination, direction, and control of theater air forces in support of land forces maneuver and fire objectives - Demonstrate effective procedural control of assigned aircraft and airspace - Facilitate decentralized execution of immediate air support - Optimize coordination, direction, and control of CAS, AI, time-sensitive/critical targeting, and Suppression of Enemy Air Defenses (SEAD) operations within an assigned AO - Establish connectivity when required and maintain presence on the Air Force Air Request Net (AFARN) and Joint Air Request Net (JARN) - Gain proficiency with CRC and ADAFCO Tactics, Techniques, and Procedures (TTPs). - Control the execution of joint air, space, and cyberspace operations by vertically integrating with senior elements of the TACS and horizontally integrating with the elements of the TACS/TAGS, and coordinating joint operations with other components
AE SME	<ul style="list-style-type: none"> - Process patient movement requests - Exercise Joint Patient Movement process - Advise Army on AE capabilities

Table 4.2. (ACC) Corps Warfighter Exercise (WFX)/Mission Rehearsal Exercise (MRX) Level Training Objectives

<p>AF Internal Training Objective. (Added)</p>	<ul style="list-style-type: none"> - Train ASOC, TACP (including ISRLO, if assigned), AMLO, and SWO personnel in the planning/execution of Joint air, space, and cyberspace power, to include CAS, AI, Mobility, Space and ISR - Integrate close air support, air interdiction, and ISR in the same operational environment
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ASOG. (Added)	- Integrate close air support, air interdiction, and ISR in the same operational environment
ASOC. (Added)	- Be able to articulate the planning and coordination required for CAS, AI, and ISR within the ASOC's sector. Ensure the Army ground commander is conversant with C/JFACC's options for air-delivered munitions

Table 4.3. Division WFX/MRX Level Training Objectives.

This section defines a baseline set of training objectives for AF units participating in a Division WFX/MRX. However, the training objectives provided below may be altered at the IPC or CDC with the concurrence of the ED and the participating MAJCOM.

AF Internal Training Objectives	<ul style="list-style-type: none"> - Train ASOC, TACP, AMLO, and SWO personnel in the planning/execution of Joint air, space, and cyberspace power, to include CAS, AI, Mobility, Space, and ISR - Integrate air, space, and cyberspace power and information operations with ground maneuver assets - Accurately represent the JARN process - Determine meteorological impacts and incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Practice TACS processes - Demonstrate the effectiveness of air, space, and cyberspace power effects on operations in an integrated USAF/USA event - Represent environmental impacts on operations in an integrated USAF/USA event - Effectively use fielded operational equipment - Integrate both close air support and air interdiction in the same operational environment
Focused Training Methods	<ul style="list-style-type: none"> - Academics - BCTP Seminar - Workshops to include CAS, AI, Mobility, Space, and ISR - External forces to enable use of operational equipment
AOC Crew	<ul style="list-style-type: none"> - Gain currency and proficiency with AOC functional processes in conjunction with component counterparts in working ground maneuver force operations - Gain proficiency with operational AOC weapon system equipment,

	<p>applications, and services</p> <ul style="list-style-type: none"> - Control the execution of joint air, space, and cyberspace operations by vertically integrating with subordinate elements of the TACS and horizontally integrating with and coordinating joint operations with other components - Exposure to dynamic targeting decision process in a fluid battlespace - Produce, disseminate, dynamically modify/change, and distribute AOC products to include AOD, ACO, AMT, ROE, SPINS, daily ATO, SITREPS, and other reports/briefs as required - Gain currency and proficiency with AOC functional processes in conjunction with opening and closing killboxes for air interdiction - Employ and validate Air Force Tactics, Techniques, and Procedures (AFTTP) 3-3.AOC, Operational Employment – Air and Space Operations Center (Only is aligned with a Blue Flag type exercise)
ASOC	<ul style="list-style-type: none"> - Establish the JARN - C4I execution - Become knowledgeable with C/JFACC’s air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned army personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel - Be able to articulate the planning and coordination required for both CAS and AI within the ASOC’s sector. Ensure the Army ground commander is conversant with C/JFACC’s options of air-delivered munitions
TACP	<ul style="list-style-type: none"> - Effectively integrate air, space, and cyberspace power with ground maneuver assets - Advise ground commander of the capabilities and limitations of air power and assist ground commander in planning, requesting, and coordinating CAS -- Accomplish above objective by complying with Mission Qualification Training for TACP/ASOC Operations Personnel in accordance with current Air Force Instructions - Incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Perform Joint Mission Task List Items - Promote effects-based use of air, space, and cyberspace power

	<p>supporting maneuver forces</p> <ul style="list-style-type: none"> - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to Army ground commanders and aligned army personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
AMLO	<ul style="list-style-type: none"> - Process mobility requests - Exercise Joint Mobility Control process - Advise Army on airlift capabilities - ACC and AMC planners will evaluate each exercise to determine support required. AMC, in coordination with ACC, will tailor the AMC support to achieve training priorities and objectives
SWO	<ul style="list-style-type: none"> - Perform as functional coordinator for METOC assets within Division AOR - Practice coordination procedures with Higher Headquarters (HHQ) SWO/JMO/METOC Officer - Provide concise, relevant, and accurate weather (WX) impact data to the MDMP - Proficiently exercise operational equipment
TACS	<ul style="list-style-type: none"> - Gain currency and proficiency with TACS/TAGS functional processes in conjunction with component counterparts in working ground maneuver and air defense force operations - Gain proficiency with CRC and ADAFCO Tactics, Techniques, and Procedures (TTPs) - Control the execution of joint air, space, and cyberspace operations by vertically integrating with senior elements of the TACS and horizontally integrating with the elements of the TACS/TAGS, and coordinating joint operations with other components - Execute planned and/or dynamically changing AOC products to include: ATO, AOD, ACO, ADP, AMT, ROE, and SPINS - To receive and produce Situation Reports (SITREPS) and other reports/briefs, as required - Exchange current intelligence and tactical operational data, and coordinate the integration of Air Force Forces (AFFOR) and C/JFACC Airspace Control Measures (ACM), Joint Fire Support Coordinating Measures (FSCM), and CAS

	<ul style="list-style-type: none"> - Comprehend dynamic targeting decision process in a fluid battlespace - Effective planning, coordination, direction, and control of theater air forces in support of land forces maneuver and fire objectives - Demonstrate effective procedural control of assigned aircraft and airspace - Facilitate decentralized execution of immediate air support - Optimize coordination, direction, and control of CAS, AI, time-sensitive/critical targeting, and Suppression of Enemy Air Defenses (SEAD) operations within an assigned AO - Establish connectivity when required and maintain presence on the Air Force Air Request Net (AFARN) and Joint Air Request Net (JARN) - Gain proficiency with CRC and ADAFCO Tactics, Techniques, and Procedures (TTPs) - Control the execution of joint air, space, and cyberspace operations by vertically integrating with senior elements of the TACS and horizontally integrating with the elements of the TACS/TAGS, and coordinating joint operations with other components
AE SME	<ul style="list-style-type: none"> - Process patient movement requests - Exercise Joint Patient Movement process - Advise Army on AE capabilities

Table 4.3. (ACC) Division WFX/MRX Level Training Objectives.

<p>AF Internal Training Objective. (Added)</p>	<ul style="list-style-type: none"> - Train ASOC, TACP (including ISRLO, if assigned), AMLO, and SWO personnel in the planning/execution of Joint air, space, and cyberspace power, to include CAS, AI, Mobility, Space, and ISR - Integrate close air support, air interdiction, and ISR in the same operational environment
<p>ASOC. (Added)</p>	<ul style="list-style-type: none"> - Be able to articulate the planning and coordination required for CAS, AI, and ISR within the ASOC’s sector. Ensure the Army ground commander is conversant with C/JFACC’s options of air-delivered munitions
<p>TACS. (Added)</p>	<ul style="list-style-type: none"> - Optimize coordination, direction, and control of CAS, AI, ISR, time-sensitive/critical

	targeting, and Suppression of Enemy Air Defenses (SEAD) operations within an assigned AO
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Table 4.4. Brigade Level Training Objectives.

This section defines a baseline set of training objectives for AF units participating in a Brigade level event. However, the training objectives provided below may be altered at the IPC or CDC with the concurrence of the ED and the participating MAJCOM.

AF Internal Training Objectives	<ul style="list-style-type: none"> - Accurately represent the JARN process - Integrate air, space, and cyberspace power and information operations with ground maneuver assets - Determine meteorological impacts and incorporate air, space, and cyberspace power capabilities into the Army MDMP process - Integrate both close air support and air interdiction in the same operational environment
Focused Training Methods	<ul style="list-style-type: none"> - Academics - BCTP Seminar - Workshops to include CAS, AI, Mobility, Space, and ISR - External forces to enable use of operational equipment
ASOG (ASOC Response Cell)	<ul style="list-style-type: none"> - Establish the JARN - Build the Communication plan - C4I execution - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to army ground commanders and aligned personnel - Understand the area reference system utilized in theater along with the killbox construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel - Be able to articulate the planning and coordination required for both CAS and AI within the ASOC's sector. Ensure the Army ground commander is conversant with C/JFACC's options for air-delivered munitions
TACP	<ul style="list-style-type: none"> - Effectively integrate air, space, and cyberspace power with ground maneuver assets - Advise Army personnel on air, space, and cyberspace power

	<p>capabilities</p> <ul style="list-style-type: none"> - Incorporate air power capabilities into the Army MDMP process - Effectively practice TACS processes - Promote effects-based use of air, space, and cyberspace power in support of maneuver forces - Become knowledgeable with C/JFACC's air interdiction scheme of maneuver and be able to articulate such to army ground commanders and aligned personnel - Understand the area reference system utilized in theater along with the killbox/JFA construct for integrating joint fires and air interdiction sorties. Be able to brief such to Army ground commanders and aligned Army personnel
SWO	<ul style="list-style-type: none"> - Perform as functional coordinator for METOC assets within Brigade AOR - Practice coordination procedures with Higher Headquarters Division SWO/JMO/METOC Officer - Provide concise, relevant, and accurate WX impact data to the MDMP - Provided mission execution forecast briefings - Proficiently exercise operational equipment

Table 4.4. (ACC) Brigade Level Training Objectives.

AF Internal Training Objectives (Added)	- Integrate close air support, air interdiction, and ISR in the same operational environment
ASOG (ASOC Response Cell) (Added)	- Be able to articulate the planning and coordination required for CAS, AI, and ISR within the ASOC's sector. Ensure the Army ground commander is conversant with C/JFACC's options for air-delivered munitions
TACP (Added-ACC)	- Effectively practice TACS processes, to include planning and managing USAF ISR assets in support of ground maneuver assets.

DANIEL J. DARNELL, Lt Gen, USAF
DCS, Operations, Plans, and Requirements

(ACC)

WILLIAM M. FRASER III, General, USAF
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

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Abbreviations and Acronyms

AAR— After-Action Review

ACC— Air Combat Command

(Added-ACC) ACC/A1L—ACC Senior Leader Management

(Added-ACC) ACC/A3C—ACC C2ISR Operations Division

(Added-ACC) ACC/A3F—ACC Joint Integration Division

(Added-ACC) ACC/A3Y—ACC Exercises and Joint Operations Division

ACCE— Air Component Coordination Element

ACM— Airspace Control Measures

ACO— Airspace Control Order

ADAFCO— Air Defense Artillery Fire Coordination Officer

ADP— Air Defense Plan

AE— Aeromedical evacuation

AF— Air Force

(Added-ACC) AF/A3O—AT - AF Operational Training Division

AFARN— Air Force Air Request Net

AF/DPG— Air Force General Management Office

(ACC) AF/DPG—AF General Officer Management Office (DPG)
AFFOR— Air Force Forces
AFJECT— Air Force Joint Exercise Coordination Team
AI— Air Interdiction
ALO— Air Liaison Officer
AMC— Air Mobility Command
AMLO— Air Mobility Liaison Officer
AMT— Airlift Movement Tables
ANG— Air National Guard
AO— Area of Operations
AOC— Air and Space Operations Center
AOD— Air Operations Directives
AOR— Area of Responsibility
ARNG— Army National Guard
ASR—Air Support Request
ARSOF— Army Special Operations Forces
ASOC— Air Support Operations Center
ASOF— Air Support Operations Flight
ASOG— Air Support Operations Group
ASOS— Air Support Operations Squadron
ATO— Air Tasking Order
AWACS— E-3B/C Airborne Warning and Control System
BCD— Battlefield Coordination Detachment
BCS— Battle Command Seminar
BCTP— Battle Command Training Program
Bde— Brigade
BW— Battlefield Weather
C2— Command and Control
C4I— Command, Control, Communications, Computers, & Intelligence
CAC— Combined Arms Center
CAOC— Combined Air Operations Center
CAS— Close Air Support

CCW— Command and Control Wing
CDC— Concept Development Conference
CERTX— Certification Exercise
CFLCC— Combined Force Land Component Commander
C/JAOC— Combined or Joint Air Operations Center
C/JFACC— Combined or Joint Forces Air Component Commander
CFACC— Combined Force Air Component Commander
CG— Commanding General
(Added-ACC) CHOT—Chief Observer/Trainer
CJTF— Combined Joint Task Force
CMP— Collection Management plan
(Added-ACC) COA—Course of Action
COCOM— Combatant Command
Comms— Communications
CRC— Control and Reporting Center
(ACC) CRC—Control and Reporting Center
CSA— Chief of Staff of the Army
CSAF— Chief of Staff of the Air Force
DA— Department of the Army
DEDAS— Deputy Exercise Director for Air and Space
DIRLAUTH— Direct Liaison Authorized
Div— Division
DTS— Defense Transportation System
EAC— Echelon Above Corps
ED— Exercise Director
EDB— Exercise Design Brief
(Added-ACC) EMD—Exercise Manning Document
ENDEX— End of the Exercise
(Added-ACC) ESMD—Exercise Support Manning Document
(Added-ACC) EXCON—Exercise Control
FER— Final Exercise Report
FORSCOM— United States Army Forces Command

FSCM— Fire Support Coordination Measures

GES— Global Exercise Schedule

GO— General Officer

HHQ— Higher Headquarters

HICON— Higher Control

HQ— Headquarters

(ACC) HQ—Headquarters

(Added-ACC) HQE—Highly Qualified Expert

INTSUM— Intelligence Summary

IO— Information Operations

IPC— Initial Planning Conference

ISR— Intelligence Surveillance Reconnaissance

(Added-ACC) ISRLO—Intelligence Surveillance Reconnaissance Liaison Officer

JAOC— Joint Air Operations Center

JARN— Joint Air Request Net

JEP— Joint Exercise Program

JFACC— Joint Force Air Component Commander

JIM— Joint Interagency Multinational

JMO— Joint Force Meteorological and Oceanographic (METOC) Officer

JNTC— Joint National Training Capability

JOA— Joint Operations Area

JSTARS— E-8C Joint Surveillance Target Attack Radar System

JTF— Joint Task Force

JTTI— Joint Training Transformation Initiative

(ACC) JTTI—Joint Training Transformation Initiative

L-MAJCOM— Lead Major Command (HQ ACC)

M&S— Modeling and Simulation

MAAP— Master Air Attack Plan

MAJCOM— Major Command

(ACC) MAJCOM—Major Command

(Added-ACC) MCTP—Mission Command Training Program

MDMP— Military Decision Making Process

(Added-ACC) METL—Mission Essential Task List

METOC— Meteorology and Oceanography

(Added-ACC) MPC—Main Planning Conference

MRE— Mission Readiness Exercise

MRX— Mission Rehearsal Exercise

MOA— Memorandum of Agreement

MOI— Memorandum of Instruction

N/A— Not Applicable

NLT— Not later than

Obj— Objectives

OCTP— Operational Command Training Program

OPR— Office of Primary Responsibility

OPCON— Operational Control

OPDIR— Operational Direction

OPORD— Operations Order

OSD— Office of Secretary of Defense

OT— Observer/Trainer

PAD— Program Action Directive

PCF— Professional Control Force

RDS— Records Disposition Schedule

ROE— Rules of Engagement

SEAD— Suppression of Enemy Air Defenses

SITREPS— Situation Reports

SM— Senior Mentor

SME— Subject Matter Expert

SPINS— Special Instructions

SS— Site Survey

STARTEX— Start of Exercise

SWO— Staff Weather Officer

TACP— Tactical Air Control Party

TACS— Theater Air Control System

TAGS— Theater Air Ground System

TO— Training Objectives

TOA— Transfer of Authority

Trng— Training

TTP—Tactics, Techniques, and Procedures

(Added-ACC) UAS—Unmanned Aircraft System

USA— United States Army

USAF— United States Air Force

USAFWC— United States Air Force Warfare Center

USMC— United States Marine Corps

USN— United States Navy

WFX— Warfighter Exercise

WX— Weather

Terms

Air Component Coordination Element (ACCE)— The air component coordination element (ACCE) is responsible to the JFACC and coordinates with the CFLCC staff, representing the JFACC needs in either a supporting or supported role. The ACCE is organized with expertise in the following areas: plans, operations, intelligence, airspace management, and airlift.

Air Support Operations Group (ASOG)— USAF organization designed to provide the AF unique administrative support to Air Support Operations Squadron (ASOS), Air Support Operations Flight (ASOF), and weather squadron personnel on Army installations. The ASOG Commander is normally the Corps' Senior Air Liaison Officer (ALO). Additionally the ASOG Commander becomes the ASOC Director when deployed. The ASOG Commander reports to the appropriate Numbered Air Force Commander.

Air Support Operations Squadron (ASOS)/Air Support Operations Flight (ASOF)— USAF organizations designed to provide support of AF personnel assigned to US Army installations. The ASOS/ASOF Commander is the senior USAF representative to the supported Army unit. ASOS/ASOF Commanders report within the Air Force chain of command, normally to the appropriate Air Support Operations Group Commander.

Air Support Operations Center (ASOC)— The principal air control agency of the theater air control system responsible for the direction of air operations directly supporting the ground combat element. It processes and coordinates requests for immediate air support and coordinates air missions requiring integration with other supporting arms and ground forces. It normally collocates with the Army tactical headquarters senior fire support coordination center within the ground combat element.

Air Mobility Liaison Officer (AMLO)— USAF rated officer who functions as the primary advisor to the Army conventional maneuver or Army Special Operations Forces (ARSOF) commander on the optimum use of airlift air mobility resources. AMLOs are specifically designated and trained to control airlift air mobility assets in support of ground troops and operate the Airlift Mobility Advance Notification/Coordination Net.

Battle Command Training Program (BCTP)— BCTP deploys, trains, and exercises Brigade, Division, Corps, and Echelon Above Corps (EAC) commanders and staffs; the unit's maneuver forces are not "live" play but simulated using various computer based models and simulations. Therefore, at Corps level and below, BCTP is primarily organized, trained and, equipped to exercise and train USA commanders and staff at the tactical level of warfare. BCTP supports realistic, stressful unit training and leader development for operational and tactical-level commanders and supports contingency operations worldwide. BCTP provides a training environment that reflects full spectrum Joint Interagency Multinational (JIM) operations in the contemporary operational environment in order to assist the CSA in fulfilling his obligation to provide Combatant Commanders with trained and ready, joint expeditionary, campaign quality units.

Battlefield Weather (BW)— AF resources tasked to deploy in support of conventional Army forces, Air Force special tactics units, or Army special operations forces. BW personnel are trained and equipped to operate and survive in the forward battlespace e.g., outside the airbase perimeter.

(Added-ACC) ISR Liaison Officer (ISRLO)— USAF intelligence officer who functions as the primary advisor to the Army commander on the optimum use of CFACC ISR capabilities. For functional purposes, the ISRLOs are considered part of the TACP.

Joint Force Meteorological and Oceanographic Officer (JMO)— Officer designated to provide direct meteorological and oceanographic support to the joint task force commander. (Ref: Joint Pub 3-59, 23 March 1999. JMO Responsibilities outlined in CJCSI 3810.01B, Enclosure B, Paragraph 12).

Joint Training Transformation Initiative (JTTI)— JTTI is a CSAF and CSA initiative to improve the integration of USAF and USA forces to best meet the objectives of the combatant commanders by providing an integrated force to the Combined Forces Commander. The purpose of JTTI is to enable the USA and USAF to realistically "train like we fight" using doctrinally correct processes and procedures to integrate USAF and USA forces in service training exercises. The focus of JTTI is on the integration of air, space, and cyberspace component into USA BCTP events and the land component into the USAF BLUE FLAG training program.

Meteorology and Oceanography (METOC)— A term used to convey all meteorological, oceanographic, and space environmental factors. These factors include the whole range of atmospheric and oceanographic phenomena, from the sub-bottom of the Earth's oceans up to and including the space environment (space weather). (Ref: CJCSI 3810.01B, 25 August 2003).

Mission Readiness Exercise (MRE)— An exercise that prepares a unit to execute a mission involving activities associated with Peace Keeping. These exercises are directed by United States Army Forces Command (FORSCOM), tied to a Regional Combatant Commander, and scheduled based on a Department of the Army (DA) G3 directed Transfer of Authority (TOA).

Mission Rehearsal Exercise (MRX)— A USA command post exercise normally associated with BCTP that provides a training opportunity for senior USA Commanders and their staffs prior to a deployment into a combat zone. These exercises are directed by United States Army Forces Command (FORSCOM), tied to a Regional Combatant Commander, and scheduled based on a DA G3 directed TOA.

Operational Command Training Program (OCTP)— CSAF directed training program executed and administered by the 505 Command and Control Wing (CCW). OCTP is designed to supply doctrinally correct operational-level subject matter expertise to the JFACC and the AOC. Air Force Senior Mentors interface directly with senior Air Force and Army senior leaders and conduct Officer Professional Development. Observer Trainers interface at the AOC Director and Division Chief level, providing academic and over-the-shoulder training. Senior Mentor and Observer Trainer activities are synchronized.

Staff Weather Officer (SWO)— The Air Force officer directing all space and terrestrial weather support to the Army unit to which aligned. The SWO is a member of the Army commander's special staff under the staff supervision of the G2. The SWO's primary duty is to advise the commander on all matters pertaining to how terrestrial and space weather impacts friendly and enemy operations and weapons systems.

Warfighter Exercise (WFX)— A USA command post exercise normally associated with BCTP that serves as the capstone training event for senior USA Commanders and their staffs.

Warrior Preparation Center (WPC)— USAFE's Joint Warfighter Center of Excellence for operational level training. WPC provides mission rehearsals, exercises and training to USEUCOM and component senior commanders and battle staffs. WPC employs interactive and distributed computer simulations to exercise component, joint and combined wartime plans. Supports joint, combined contingency operation planning and execution for USEUCOM, NATO, PfP and coalition components.

White Cell— Group of subject matter experts who replicate specialized functions/activities that are not represented in the exercise.

Attachment 2

NOTIONAL EXERCISE TIMELINE

A2.1. Table A2. 1 shows the notional timeline for a Corps and Division MRX/WFX.

Table A2.1. Notional Exercise Timeline.

MRX/WFX minus (-) 305 Days	The 3-4 day Initial Planning Conference (IPC) and Site Survey (SS) occur
MRX/WFX (-) 205 Days	The 5 day Concept Design Conference (CDC) and Exercise Design Brief (EDB) occur
MRX/WFX (-) 180 Days	The 5-8 day BCS occurs
NLT MRX/WFX (-) 90 days	The tasking message is issued
Mini Exercise (-) 5 DAYS	Will establish communications checks and develop Air Tasking Order (ATO)
NLT MRX/WFX PLUS (+) 10 DAYS	The Air and Space Power integration portion of the Final Exercise Report (FER) and the Air Component Executive Summary are published
The timeline for an MRX may be compressed due to real world constraints and the timeliness of the in-theater information.	

Attachment 3

USAF MODELING AND SIMULATION OPTIONS MATRIX

A3.1. The following matrix (Table A3. 1) represents the USAF's suggested modeling and simulation options designed to achieve the objectives outlined in Chapter 4. Modeling and Simulation is a critical enabler to the success of the BCTP. Because each event is unique, modeling and simulation requirements should be coordinated early in the planning stages and vetted through the 505th Combat Training Squadron (CTS) M & S planner for the given event. The 505th CTS M&S planner will coordinate with Air Force Agency for Modeling and Simulation (AFAMS) on any compatibility issues that arise between Air Forces models and real-world C4 / C2 systems.

Table A3.1. Modeling and Simulation Options Matrix.

Corps as JFLCC	<ul style="list-style-type: none"> - Provide CAS, AI, ISR, Airlift and other support sorties - Provide for display of USAF sorties on COP - Provide high quality combat assessment (if required) - Provide robust IO stimulation - Provide robust TBM warning and space support 	AWSIM LOGSIM STAGE NGTS ATI/CSI ACE-IOS JNETS DICE VSTARS AFSERS SCOPES/GIANT MDST
Corps as MRX/WFX	<ul style="list-style-type: none"> - Provide CAS, AI, ISR, Airlift and other support sorties - Provide for display of USAF sorties on COP - Provide high quality combat assessment (if required) - Provide robust IO stimulation 	AWSIM LOGSIM STAGE NGTS ATI/CSI ACE-IOS VSTARS AFSERS DICE JNETS

Active component CONUS Division MRX/WFX	<ul style="list-style-type: none"> - Provide CAS, AI, ISR, Airlift and other support sorties - Provide for display of USAF sorties on COP - Provide high quality combat assessment (if required) 	<p>AWSIM LOGSIM STAGE NGTS ATI/CSI ACE-IOS</p>
Active component OCONUS Division WFX	<ul style="list-style-type: none"> - Provide CAS, AI, ISR, Airlift and other support sorties - Provide for display of USAF sorties on COP - Provide high quality combat assessment (if required) 	<p>AWSIM LOGSIM STAGE NGTS ATI/CSI ACE-IOS</p>
Guard Division	<ul style="list-style-type: none"> - Provide CAS, AI, ISR, Airlift and other support sorties - Provide for display of USAF sorties on COP - Provide high quality combat assessment (if required) 	<p>AWSIM LOGSIM STAGE ATI/CSI ACE-IOS</p>
Brigade	N/A	N/A
Guard Brigade MRX	N/A	N/A
Guard Brigade WFX	N/A	N/A