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SECRETARY OF THE AIR FORCE**

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Nuclear, Space, Missile, Command and Control

***BATTLE CONTROL CENTER (BCC)
EVALUATION CRITERIA***

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This instruction implements policy guidance in Air Force Policy Directive (AFPD) 10-9, *Lead Command Designation and Responsibilities for Weapon Systems* and AFPD 13-1, *Command and Control Enterprise (C2 Enterprise)*. Offices of Collateral Responsibility (OCR) for this publication are Headquarters Pacific Air Forces (HQ PACAF)/A8X and National Guard Bureau (NGB)/A3Y. This instruction gives Standardization/Evaluation Examiners (SEE) and crew members performance standards and procedures for conducting proficiency evaluations.

The criteria apply to all Combat Mission Ready (CMR) and Basic Mission Capable (BMC) operations crew members performing in Air Defense and Reconnaissance Operations, including members of the Air National Guard of the United States. Throughout this instruction, AFSC 13B refers to Air Battle Managers (ABM) Air Force Specialty Code (AFSC) 1C5X1D refers to Weapons Directors (WD), AFSC 1C5X1 refers to Command and Control Battle Management Operators, and their Canadian equivalents. This AFI does not apply to the US Air Force Reserve or the Civil Air Patrol. Major Commands (MAJCOM) are to forward proposed MAJCOM-level supplements to this volume to HQ USAF/A3O-CS for approval prior to publication in accordance with (IAW) AFI 33-360, *Publications and Forms Management*. Requests for waivers must be submitted through the chain of command to the appropriate Tier waiver approval authority. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of

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SUMMARY OF CHANGES

This instruction has been completely revised and rewritten to reflect the Ground Command and Control Systems Standardization/Evaluation Program--Battle Control Center Evaluation Criteria of the Air Defense units. This instruction does not imply any manpower growth, and it must be completely reviewed due to numerous operational changes. Among the changes include the update of each duty position criteria evaluation area, removal of Emergency Action Coordinator (EAC) criteria, addition of Instructor Evaluation criteria, format of the duty position areas and administrative changes as necessary. Waiver authorities have been changed to reflect guidance in AFI 33-360, *Publications and Forms Management*.

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Chapter 1

INTRODUCTION

1.1. Purpose. This instruction establishes the evaluation criteria to be used by Stan Eval Examiner (SEE) when conducting Qualification/Mission (QUAL/MSN), Instructor (INSTR), and SPOT evaluations IAW Air Force Instruction (AFI) 13-1 STAN/EVAL Volume 2, *Ground Command and Control Systems Standardization/Evaluation Program-Organization and Administration*. Specific areas are prescribed to ensure an accurate assessment of the proficiency and capabilities of operations personnel.

1.2. Recommendations for Change. Recommendations for changes are encouraged, and must focus on specific areas and standards of performance. Forward recommend changes IAW AFI 33-360 through channels (Air Combat Command (ACC)/A3C, PACAF/A8X, or to AF/A3O-CS using AF Form 847, *Recommendation for Change of Publication*. AF/A3O is the approval authority for interim changes to this AFI.

1.3. Supplements/Waivers.

1.3.1. Supplements

1.3.1.1. MAJCOMs will coordinate their supplement to this instruction with ACC/A3C before publication and forward one copy to AF/A3O-CS after publication. MAJCOM/A3s will approve MAJCOM supplements. Supplements will not contain procedures that are contrary to this instruction.

1.3.1.2. Units will coordinate their supplement with the next higher Group/Numbered Air Force (NAF), as applicable, prior to MAJCOM approval. MAJCOM OPRs (ACC/A3C, PACAF/A8X) will approve unit supplements. Air National Guard (ANG) units will coordinate their supplement to their NAF with Stan/Eval oversight responsibility and NGB/A3Y who in-turn will forward to the gaining MAJCOM for approval. Units will forward a copy of their supplement to said higher headquarters after publication.

1.3.2. Waivers

1.3.2.1. Waiver authority for requirements of this volume will be IAW AFI-33-360. Waiver requests must come from commanders (or civilian directors) of the affected unit seeking relief from compliance through the command chain up to the appropriate tier approval authority (i.e., Tier 0, 1, 2, 3) (or publications approval authority if non-tiered). See AFI 33-360 for definition of Tier Ratings. Tier 3 waiver authorities for this AFI are as follows: (1) AFNORTH/A3 for Eastern Air Defense Sector and Western Air Defense Sector; (2) 611 AOC/CC for 176 ADS; (3) 154 OG/CC for 169 ADS; (4) 607 AOC/CC for 621 ACS; (5) 35 FW/CC for 610 ACF; and (6) 18 WG/CC for 623 ACF.

1.3.2.2. Waiver requests may be sent via email or memorandum, and shall include the following: (T-2)

1.3.2.2.1. Reference and text of the specific requirement for which the commander/director is requesting a waiver.

1.3.2.2.2. Rationale for the waiver: Explain which of the following three reasons IAW AFI 33-360, apply and describe why:

1.3.2.2.2.1. The cost of compliance creates unacceptable risk to a higher priority task;

1.3.2.2.2.2. The expected cost of compliance outweighs the benefit;

1.3.2.2.2.3. Personnel cannot comply with the requirement due to a lack of resources (training, funds, equipment, facilities, guidance or manpower).

1.3.2.2.3. Time period or circumstance for which the waiver is required.

1.3.2.2.4. Risk mitigation measures the requesting commander implements during the waiver period.

1.3.2.2.5. Impact if waiver is disapproved.

1.3.2.2.6. Approved waivers will be uploaded into the unit's Management Internal Control Toolset (MICT) for inspection activity review and publication OPR's situational awareness/filing (T-2).

1.3.2.3. PACAF/A8X and NGB/A3Y will forward a copy of all approved waivers for their units to ACC/A3C. ACC/A3C will, in turn, forward a copy of all approved waivers for their units to PACAF/A8X, NGB/A3Y, and AF/A3O-CS. Units will forward all approved waivers and report all deviations or exceptions without waiver, through their chain of command, to MAJCOM OPR (T-2).

1.3.2.4. Duration of waivers may be approved for a period not to exceed the requested waiver period or 30 calendar days after the approving commander's tour length, whichever is shorter.

1.3.2.5. File a copy of approved written waivers with this volume IAW AFI 33-360.

1.4. Evaluation Methods. The primary methods of determining the examinee's level of job knowledge and proficiency are academic testing and observation of job performance. The questioning of examinees during the positional portion of the evaluation should be limited to items not determined by observation, but related to the scenarios being employed for evaluation.

1.5. Evaluation Procedures. Examiners conduct evaluations IAW this instruction. Examiners administer positional evaluations only within their weapon system/crew specialty and only evaluate those mission/skill sets in which they maintain qualification (T-2).

1.5.1. Senior Director (SD) examiners may evaluate Air Weapons Officers (AWO) and WDs; WD and AWO examiners can evaluate each other and can evaluate the control portion of the SD evaluation. Senior Director Technicians (SDT) examiners may evaluate Weapons Director Technicians (WDT). Air Surveillance Officer (ASO) examiners may evaluate Air Surveillance Technicians (AST) (except for the Tracking Technician (TT) portion); AST examiners may evaluate ASOs and TTs; Interface Control Officer examiners (ICO) may evaluate Interface Control Technicians (ICT), ICT examiners may evaluate ICOs (T-3).

1.5.2. Prior to Evaluation. The SEE will explain the purpose of the evaluation and how it will be conducted (T-3). The examinee will accomplish all mission planning appropriate for the type of evaluation (T-3).

1.5.3. During Evaluation. The SEE will evaluate the examinee's performance for each graded area and note discrepancies when deviations from prescribed performance criteria occur during the evaluation (T-3).

1.5.4. Post Evaluation. The SEE compares the examinee's performance with the grading criteria and assigns an appropriate grade for each area. The SEE considers cumulative momentary deviations. The judgment of the SEE is the determining factor in assigning an overall grade for the examinee's performance. The SEE thoroughly critiques all aspects of the evaluation. During this critique, the SEE reviews the examinee's overall rating, specific deviations, area grades assigned, and any additional training which the examinee is required to complete. All initial qualification or initial instructor evaluations resulting in Exceptionally Qualified (EQ), Qualified 2 (Q2), or Qualified 3 (Q3) will be debriefed with the examinee's squadron commander/operations officer (or designated representative), and flight commander (or designated representative) (T-3).

1.5.5. Academic Examination. The academic examination is the master question file (MQF) written examination. The academic examination will be administered IAW AFI 13-1STAN/EVAL Vol. 2. For initial evaluations, academic examinations are completed prior to any positional portions of the evaluation unless waived by the unit commander on a case-by-case basis. For requalification evaluations (RQ) and periodic evaluations the written examination is completed at the discretion of the Chief, Stan Eval. (T-2)

1.5.5.1. The written examination for a QUAL/MSN evaluation will consist of 70 questions from the MAJCOM MQF, 15 questions from the unit MSN MQF, and 15 questions from the Local Procedures Master Question File (LPMQF) (T-3).

1.5.5.2. INIT MSN examinations may be waived by the unit commander (CC) if the evaluation was combined with the INIT QUAL evaluation (T-3).

1.6. SEE Objectivity Evaluations. SEE Objectivity Evaluations will be given IAW AFI13-1STAN/EVAL Vol. 2, paragraph 5.2 after initial selection as a SEE and at the discretion and direction of the unit CC (ADS/DO) thereafter (T-3).

1.7. Grading Policy. Examiners will use the rating policies contained in AFI 13-1STAN/EVAL Vol. 2, paragraph 5.3 and the evaluation criteria in this instruction for conducting all positional evaluations. Use of these criteria ensures standard and objective evaluations are administered to crew members. SEEs and crew members will be thoroughly familiar with the prescribed grading criteria in this regulation (T-2). A three-level grading system (Q, Q-, or Unqualified (U)) will be used for all areas except those designated as CRITICAL, in which case a two-grading system (Q or U) will be used (T-2). An overall rating of "Unqualified" could result from an unqualified rating of a single critical or multiple noncritical areas. All area ratings are based on the three level rating system (Q, Q-, and U) described in [Paragraph 1.8.1](#) and the criteria listed in the individual chapters or areas. (T-2)

1.8. Required Evaluation Areas. Required evaluation areas are defined as all areas (and associated sub-areas) identified in this document. See [Attachment 2](#) for a listing of required evaluation areas. The examiner evaluates the examinee's performance in all required areas. When a required area cannot be evaluated during live fly operations because of equipment malfunctions, weather conditions, operational requirements, or lack of adequate operating airspace, the area may be graded using simulation or a verbal evaluation. Examiners make every

effort to evaluate all required areas during the live fly portion before resorting to this alternative. If an alternate evaluation method is used, the Examiner will document the method under the Mission Description paragraph in the Remarks section of the AF Form 8, *Certification of Aircrew Qualification*, IAW AFI 13-1STAN/EVAL, Vol. 2 (T-2).

1.8.1. Evaluation tasks are shown in the appropriate evaluation area, along with the rating scale for each task. Each area/task has a three-level (Q/Q-/U) grading system with the exception of "CRITICAL" areas. The overall area grade will reflect the majority of the ratings assessed for the examinee's achievement of tasked sub-areas (T-3).

1.8.1.1. Q. A "Q" is the desired level of performance. This grade is given when the examinee demonstrates a satisfactory knowledge of all required information and performs mission duties within the prescribed tolerances and accomplishes the assigned mission.

1.8.1.2. Q-. A "Q-" indicates the examinee is qualified to perform the assigned area tasks without supervision, but requires a written debriefed comment or additional training unless, in the judgment of the examiner, it would not constructively improve the examinee's performance. Deviations from established standards must not exceed the prescribed "Q-" tolerances or jeopardize flight safety.

1.8.1.3. U. Assign a "U" area grade for any performance outside allowable parameters and for deviations from prescribed procedures/tolerances that adversely affect mission accomplishment or compromise flight safety. An examinee receiving an area grade of "U" requires additional training.

1.8.1.4. Critical Areas. Critical grading areas have been established for evaluations. Critical areas are defined as events that require adequate accomplishment by the examinee in order to successfully achieve the mission objectives and complete the evaluation. If an examinee receives a "U" grade in any critical area, the overall grade for the evaluation will also be unqualified. Critical areas are identified by "(CRITICAL)" following the applicable area title. (T-3)

1.9. Simulation Evaluations. Simulation may be used to administer any portion of a positional evaluation not requiring a specific live scenario (T-3). Unit SEEs will identify existing simulation scenarios which include adequate activity to meet the evaluation requirements for the required events (T-3). If adequate scenarios did not exist, unit Stan Eval personnel will develop scenario outlines for the simulation activity to be conducted to ensure standardization of both the level of activity and the difficulty for simulation evaluations (T-3). The SEE's judgment will be the determining factor in the effective use of simulation (T-3).

Chapter 2

INSTRUCTOR QUALIFICATION EVALUATION

2.1. General

2.1.1. This chapter contains the criteria specifying the tasks required of a qualified Instructor. All crew members selected for instructor duty must be evaluated to determine their judgment, technical knowledge, instructor ability (including error analysis of student activity), and use of grading documents as well as proficiency in their duty position (T-3). To initially qualify as an instructor, a crew member must successfully complete an initial instructor evaluation (T-3). Subsequent periodic evaluations of instructors are conducted during the recurring evaluations in which individuals are qualified to instruct and are included in the individual duty positions.

2.1.2. Instructors who were certified prior to the publication of the instruction will maintain their certifications until expiration or at the discretion of the unit commander (T-3). These instructors will then complete an instructor evaluation IAW AFI 13-1STAN/ EVAL Vol. 2 (T-3).

2.2. Evaluation Objective. Instructors must demonstrate proficiency by instructing a student (or qualified individual acting as a student) (T-3). The examiner may require the examinee to present verbal explanations of equipment operations, procedures, and techniques pertinent to their crew position duties and responsibilities.

Table 2.1. Instructor Qualification Areas

Area	Title
1	Instructional Ability
2	Briefings/Critique
3	Demonstration and Performance

2.3. AREA 1— INSTRUCTIONAL ABILITY

2.3.1. **Q.** Demonstrated ability to communicate effectively. Provided appropriate corrective guidance when necessary. Planned ahead and made timely inputs and directive guidance to prevent mission degradations.

2.3.2. **Q-.** Demonstrated difficulty in communicating with the student. Provided untimely or inappropriate corrective guidance in minor areas or managed time poorly. Had difficulty planning ahead and providing inputs to prevent mission degradation. These discrepancies did not adversely affect safety or mission accomplishment, or adversely affect student progress.

2.3.3. **U.** Failed to effectively communicate with the student. Did not provide corrective guidance where necessary. Failed to plan ahead or anticipate student problems. Deviations adversely affected safety or mission accomplishment, or adversely affected student progress.

2.4. AREA 2—BRIEFINGS/CRITIQUE

2.4.1. **Q.** Briefings were well organized, accurate, and thorough. Reviewed student's present level of training and defined mission events to be performed. Displayed ability

during the critique to reconstruct the flight, offer mission analysis, and provide corrective guidance where appropriate. Completed all training documentation IAW prescribed directives. Training syllabi grades accurately reflected student performance relative to standard. Provided complete and comprehensive comments on training documentation. Thoroughly debriefed student on objectives and key aspects of the mission through reconstruction as needed. Evaluated student performance and discussed appropriate techniques, highlighted strengths/weaknesses with special emphasis on areas for improvement.

2.4.2. **Q-** Briefings had minor errors or omissions. Reviewed student's training folder or past performance with minor errors or omissions. Student critique had minor errors or omissions or provided an incomplete mission analysis. Training syllabi grades inaccurately reflected performance of student. Comments in training documentation were had minor errors or omissions. Strengths and weaknesses were incorrectly identified. Provided incomplete comments on training documentation. Debriefed student on objectives and key aspects of the mission with minor errors or omissions. Minor discrepancies did not affect safety or adversely affect student progress. Minor errors or omissions in briefings, critique and/or training documents did not affect student progress.

2.4.3. **U.** Briefings were marginal or nonexistent. Did not review student's training folder or past performance. Failed to adequately critique student or provide complete mission analysis. Training syllabi grades did not reflect actual performance of student. Comments in training documentation were incomplete. Strengths and weaknesses were not identified. Overlooked or omitted major discrepancies in the documentation. Incomplete or nonexistent pre-briefing of student's next mission.

2.5. AREA 3—DEMONSTRATION/PERFORMANCE

2.5.1. **Q.** Effectively demonstrated procedures and/or techniques during mission planning or mission execution, making clear distinctions between them. Demonstrated thorough knowledge of mission systems, procedures, and all applicable publications and regulations. Thoroughly explained the task. Correctly demonstrated the task. Accurately observed, supervised and evaluated the student's performance.

2.5.2. **Q-** Demonstration of procedures and/or techniques not always effective. Did not always distinguish between procedures and techniques. Minor discrepancies in knowledge of mission systems, procedures, and/or applicable publications and regulations. Minor discrepancies did not affect safety or adversely affect student progress.

2.5.3. **U.** Failed to demonstrate correct procedures and/or techniques. Did not or could not distinguish between procedures and techniques. Insufficient knowledge of mission systems, procedures, and/or applicable publications and regulations. These deviations could affect safety or adversely affect student progress.

Chapter 3

MISSION CREW COMMANDER QUALIFICATION EVALUATION

3.1. General

3.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Mission Crew Commander (MCC). Evaluation requirements are outlined in the table for MCC and Instructor Mission Crew Commander (IMCC) positions.

3.1.2. The MCC must be evaluated during a live, virtual, or constructive exercise as defined in AFI 13-1 STAN/EVAL Vol. 2 (T-3).

3.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all MCC duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 3.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	N/A
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	Critical
15	Air Picture	
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	
25	Aircraft Operations	
26	Safety of Flight	Critical
27	Airspace Management/Air Traffic Control (ATC) Coordination	N/A

28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

3.3. AREA 1 —MISSION PLANNING

3.3.1. **Q.** Conducted/performed/assisted with mission planning, accounted for known mission capabilities, requirements, enemy order of battle (EOB), limitations, and approved operating procedures IAW directives.

3.3.2. **Q-.** Conducted/performed/assisted with mission planning, accounted for known mission capabilities, requirements, EOB, limitations, and approved operating procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.3.3. **U.** Failed to conduct/perform/assist mission planning, account for known mission capabilities, requirements, EOB, limitations, and approved operating procedures IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.4. AREA 2 —BRIEFINGS

3.4.1. **Q.** Supervised conducted and/or attended briefings, and extracted/provided information consistent to mission accomplishment/safety IAW directives

3.4.2. **Q-.** Supervised, conducted and/or attended briefings, and extracted/provided information consistent to mission accomplishment/safety IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.4.3. **U.** Failed to supervise, conduct and/or attend briefings, and extract/provide information consistent to mission accomplishment/safety IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.5. AREA 3 —UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

3.5.1. **Q.** Configured, manipulated, controlled and interpreted displays. Updated/utilized mission, auxiliary, and other computer equipment to accomplish assigned tasks IAW directives and reported outages.

3.5.2. **Q-.** Configured, manipulated, controlled and interpreted displays. Updated/utilized mission, auxiliary, and other computer equipment to accomplish assigned tasks IAW directives and reported outages. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.5.3. **U.** Failed to configure, manipulate, control and interpret displays. Failed to update/utilize mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives and report outages. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.6. AREA 4 —COMMUNICATION SELECTION AND USE

3.6.1. **Q.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required.

3.6.2. **Q-.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.6.3. **U.** Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to ensure completion of communications checks and report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.7. Area 5 —INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

3.7.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

3.7.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.7.3. **U.** Failed to employ INFOSEC or OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.8. Area 6 —COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

3.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

3.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

3.9. AREA 7—AUTHENTICATION PROCEDURES Not Applicable (N/A)**3.10. AREA 8 —RADIO/TELEPHONE (R/T) PROCEDURES**

3.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

3.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.10.3. **U.** Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.11. AREA 9 —COORDINATION

3.11.1. **Q.** Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives.

3.11.2. **Q-** Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.11.3. **U.** Failed to coordinate and report all requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.12. AREA 10—GROUND SAFETY (CRITICAL)

3.12.1. **Q.** Knew and or executed proper evacuation procedures. Knew the location and was familiar with the utilization of ground safety equipment.

3.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.13. AREA 11—CHECKLISTS

3.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

3.13.2. **Q-** Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.13.3. **U.** Failed to utilize positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.14. AREA 12—SENSORS

3.14.1. **Q.** Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities.

3.14.2. **Q-** Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.14.3. **U.** Failed to recognize and report degraded sensor performance. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.15. AREA 13—WEATHER INFORMATION

3.15.1. **Q.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

3.15.2. **Q-** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.15.3. **U.** Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

3.16.1. **Q.** Applied ROE, used hostile act/intent criteria, and complied with appropriate levels of authority IAW directives.

3.16.2. U. Failed to apply ROE, uses hostile act/intent criteria, and complies with appropriate levels of authority IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.17. AREA 15—AIR PICTURE

3.17.1. Q. Supervised maintenance of current air picture to include recognition of Electronic Attack/Electronic Protection (EA/EP). Supervised actions to ensure an accurate and identifiable air picture IAW directives.

3.17.2. Q-. Supervised maintenance of current air picture to include recognition of EA/EP. Supervised actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.17.3. U. Failed to supervise maintenance of current air picture to include recognition of EA/EP. Failed to supervise actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

3.18.1. Q. Recognized the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented.

3.18.2. Q-. Recognized the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.18.3. U. Failed to recognize the presence of electronic/mechanical jamming/interference. Committed errors that could have jeopardized mission accomplishment/safety.

3.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

3.19.1. Q. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, IAW directives.

3.19.2. Q-. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.19.3. U. Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets, IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.20. AREA 18—EXPANSION PROCEDURES (CONUS)

3.20.1. Q. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

3.20.2. Q-. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.20.3. U. Failed to supervise/control/assist with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

3.21.1. Q. Recognized aircraft emergency situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives.

3.21.2. Q-. Recognized aircraft emergency situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.21.3. U. Failed to recognize aircraft emergency situations, implement notification and recovery procedures, supervise emergency aircraft actions, and conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.22. AREA 20 —BATTLE MANAGEMENT

3.22.1. Q. Executed/assisted with Special Instructions, Operations Orders, Contingency Plans (SPINS, OPORD, CONPLAN) IAW applicable directives. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment.

3.22.2. Q-. Executed/assisted with SPINS, OPORDs, CONPLANs IAW applicable directives. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.22.3. U. Failed to execute/assist with SPINS, OPORDs, CONPLANs IAW applicable directives. Failed to supervise/control/assist with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.23. AREA 21—MISSION EXECUTION (CRITICAL)

3.23.1. Q. Executed the assigned mission and/or provided assistance IAW directives.

3.23.2. U. Failed to execute the assigned mission and/or provide assistance IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

3.24.1. Q. Reported and documented all required items IAW directives.

3.24.2. Q-. Reported and documented all required items IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.24.3. U. Failed to report or document all required items IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

3.25.1. **Q.** Conducted changeover/debriefing IAW directives.

3.25.2. **Q-.** Conducted changeover/debriefing IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.25.3. **U.** Failed to conduct changeover/debriefing IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.26. AREA 24—IDENTIFICATION AND SAFE PASSAGE PROCEDURES

3.26.1. **Q.** Supervised identification of all tracks within the assigned area of operations (AO) and the employment of safe passage procedures IAW directives.

3.26.2. **Q-.** Supervised identification of all tracks within the assigned AO and the employment of safe passage procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.26.3. **U.** Failed to supervise identification of all tracks within the assigned AO or the employment of safe passage procedures IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.27. AREA 25—AIRCRAFT OPERATIONS

3.27.1. **Q.** Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives.

3.27.2. **Q-.** Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

3.27.3. **U.** Failed to supervise/assist/monitor/recommend aircraft generation (to include commit action as required), dispersal, or recovery. Failed to ensure allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.28. AREA 26—SAFETY OF FLIGHT (CRITICAL)

3.28.1. **Q.** Ensured safety of flight IAW directives.

3.28.2. **U.** Failed to ensure safety of flight IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

3.29. AREA 27—AIRSPACE MANAGEMENT/AIR TRAFFIC CONTROL (ATC) COORDINATION N/A**3.30. AREA 28—CONTINUUM OF CONTROL N/A**

3.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in Paragraphs 2.3-5 of this instruction.

3.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

3.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

3.31.3. AREA 31—DEMONSTRATION AND PERFORMANCE

Chapter 4

MISSION CREW COMMANDER TECHNICIAN QUALIFICATION EVALUATION

4.1. General

4.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Mission Crew Commander Technician (MCCT). Evaluation requirements are outlined in the table for MCCT and Instructor Mission Crew Commander Technician (IMCCT) positions.

4.1.2. The MCCT must be evaluated during a live, virtual, or constructive exercise as defined in AFI 13-1 STAN/EVAL Vol. 2 (T-3).

4.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all MCCT duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 4.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	N/A
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	Critical
15	Air Picture	
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	
25	Aircraft Operations	
26	Safety of Flight	Critical

27	Airspace Management/ATC Coordination	N/A
28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

4.3. AREA 1—MISSION PLANNING

4.3.1. **Q.** Conducted/performed/assisted with mission planning, accounted for known mission capabilities, requirements, enemy order of battle, limitations, and approved operating procedures IAW directives.

4.3.2. **Q-.** Conducted/performed/assisted with mission planning, accounted for known mission capabilities, requirements, enemy order of battle, limitations, and approved operating procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.3.3. **U.** Failed to conduct/perform/assist mission planning, account for known mission capabilities, requirements, enemy order of battle, limitations, and approved operating procedures IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.4. AREA 2—BRIEFINGS

4.4.1. **Q.** Supervised conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment/safety IAW directives.

4.4.2. **Q-.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment/safety IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.4.3. **U.** Failed to supervise, conduct and/or attend briefings and extract/provide information consistent to mission accomplishment/safety IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

4.5.1. **Q.** Configured, manipulated, controlled and interpreted displays. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives and report outages. As appropriate, ensured subordinates comply with this requirement.

4.5.2. **Q-.** Configured, manipulated, controlled and interpreted displays. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives and report outages. As appropriate, ensured subordinates complied with this requirement. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.5.3. U. Failed to configure, manipulate, control and interpret displays. Failed to update/utilize mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives and report outages. Failed to, as appropriate, to ensure subordinates complied with this requirement. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.6. AREA 4—COMMUNICATIONS SELECTION AND USE

4.6.1. Q. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and report outages as required.

4.6.2. Q-. Selected, monitored, and operated communications equipment IAW system manuals, outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.6.3. U. Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to ensure completion of communications checks and report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

4.7.1. Q. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

4.7.2. Q-. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.7.3. U. Failed to employ INFOSEC or ensure OPSEC controls are maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety

4.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

4.8.1. Q. Used and controlled COMSEC IAW established procedures.

4.8.2. U. Failed to use and control COMSEC IAW established procedures.

4.9. AREA 7—AUTHENTICATION PROCEDURES (N/A)

4.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

4.10.1. Q. Employed R/T procedures IAW directives and local standard operating procedures.

4.10.2. Q-. Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.10.3. U. Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.11. AREA 9—COORDINATION

4.11.1. **Q.** Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives. As appropriate, ensured subordinates comply with this requirement.

4.11.2. **Q-.** Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives. As appropriate, ensured subordinates comply with this requirement. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.11.3. **U.** Failed to coordinate and report all requirements, mission changes, equipment discrepancies, and limitations IAW directives. Failed to ensure subordinates complied with this requirement as appropriate. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.12. AREA 10—GROUND SAFETY (CRITICAL)

4.12.1. **Q.** Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

4.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.13. AREA 11—CHECKLISTS

4.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

4.13.2. **Q-.** Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.13.3. **U.** Failed to utilize positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.14. AREA 12—SENSORS

4.14.1. **Q.** Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities.

4.14.2. **Q-.** Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.14.3. **U.** Failed to recognize and report degraded sensor performance. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.15. AREA 13—WEATHER INFORMATION

4.15.1. **Q.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

4.15.2. **Q-.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.15.3. U. Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

4.16.1. Q. Applied ROE, used hostile act/intent criteria, and complied with appropriate levels of authority IAW directives.

4.16.2. U. Failed to apply ROE, use hostile act/intent criteria, or comply with appropriate levels of authority IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.17. AREA 15—AIR PICTURE

4.17.1. Q. Supervised maintenance of current air picture to include recognition of EA/EP. Supervised actions to ensure an accurate and identifiable air picture IAW directives.

4.17.2. Q-. Supervised maintenance of current air picture to include recognition of EA/EP. Supervised actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.17.3. U. Failed to supervise maintenance of current air picture to include recognition of EA/EP. Failed to supervise actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

4.18.1. Q. Recognized the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented.

4.18.2. Q-. Recognized the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.18.3. U. Failed to recognize the presence of electronic/mechanical jamming/interference. Committed errors that could have jeopardized mission accomplishment/safety.

4.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

4.19.1. Q. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives.

4.19.2. Q-. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.19.3. U. Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.20. AREA 18—EXPANSION PROCEDURES (CONUS)

4.20.1. Q. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

4.20.2. Q-. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.20.3. U. Failed to supervise/control/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

4.21.1. Q. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives.

4.21.2. Q-. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.21.3. U. Failed to recognize emergency aircraft situations, implement notification and recovery procedures, supervise emergency aircraft actions, or conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.22. AREA 20—BATTLE MANAGEMENT

4.22.1. Q. Executed/assisted with SPINS,OPORDs, CONPLANs IAW applicable directives. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment.

4.22.2. Q-. Executed/assisted with SPINS,OPORDs, CONPLANs IAW applicable directives. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.22.3. U. Failed to execute/assist with SPINS,OPORDs, CONPLANs IAW applicable directives. Failed to supervise/control/assist with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.23. AREA 21—MISSION EXECUTION (CRITICAL)

4.23.1. Q. Executed the assigned mission and/or provided assistance IAW directives.

4.23.2. U. Failed to execute the assigned mission and/or provide assistance IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.24. AREA 22—REPORTING DOCUMENTATION PROCEDURES

4.24.1. Q. Reported and documented all required items IAW directives.

4.24.2. Q-. Reported and documented all required items IAW directives. Committed errors or omissions that did not adversely affect or jeopardize mission accomplishments/safety or event reconstruction.

4.24.3. U. Failed to report and document all required items IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety or rendered accurate event reconstruction impossible.

4.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

4.25.1. Q. Conducted changeover/debriefing IAW directives.

4.25.2. Q-. Conducted changeover/debriefing IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.25.3. U. Failed to conduct changeover/debriefing IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.26. AREA 24—IDENTIFICATION AND SAFE PASSAGE PROCEDURES

4.26.1. Q. Supervised identification of all tracks within the assigned AO and the employment of safe passage procedures IAW directives.

4.26.2. Q-. Supervised identification of all tracks within the assigned AO and the employment of safe passage procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.26.3. U. Failed to supervise identification of all tracks within the assigned AO and the employment of safe passage procedures IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.27. AREA 25—AIRCRAFT OPERATIONS

4.27.1. Q. Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives.

4.27.2. Q-. Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

4.27.3. U. Failed to supervise/assist/monitor/recommend aircraft generation (to include commit action as required), dispersal, or recovery. Failed to ensure allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.28. AREA 26—SAFETY OF FLIGHT (CRITICAL)

4.28.1. Q. Ensured safety of flight IAW directives.

4.28.2. U. Failed to ensure safety of flight IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

4.29. AREA 27—AIRSPACE MANAGEMENT/ATC COORDINATION N/A

4.30. AREA 28—CONTINUUM OF CONTROL N/A

4.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in Paragraphs 2.3-5 of this instruction.

4.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

4.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

4.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 5

SENIOR DIRECTOR QUALIFICATION EVALUATION

5.1. General

5.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Senior Director (SD). Evaluation requirements are outlined in the table for SD and Instructor Senior Director (ISD) positions.

5.1.2. The SD evaluation will consist of the following four positional areas (T-3):

5.1.2.1. The SD evaluation must include performance during a live, virtual, or constructive exercise (IAW AFI 13-1STAN/EVAL Vol. 2) and must supervise a minimum of two control teams during the exercise (T-3). Verbal examination is used to evaluate areas not observed during the positional portions of the evaluation.

5.1.2.2. The examinee controls air-to-air training (Air Combat Training, Dissimilar Air Combat Training, Tactical Intercept (ACT/DACT/TI)), using the continuum of control, as briefed by the aircrew. SEEs make the determination as to whether briefed/conducted control activities meet/fulfill control requirements.

5.1.2.3. The examinee controls an air defense scenario using the continuum of control to a minimum of two separate interceptors/elements simultaneously.

5.1.2.4. The examinee controls air refueling operations using the continuum of control to at least two separate receivers/elements simultaneously rendezvousing on one or more tankers.

5.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all SD duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 5.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	Critical

15	Air Picture	
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	
25	Aircraft Operations	
26	Safety of Flight	Critical
27	Airspace Management/Air Traffic Control (ATC) Coordination	
28	Continuum of Control	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

5.3. AREA 1—MISSION PLANNING

5.3.1. **Q.** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. letters of agreement (LOA), SPINS, ROE, air tasking order (ATO), lessons learned, training requirements, employment capabilities, weather (WX), EOB and daily flying schedule). Read and initialed all items in applicable read files.

5.3.2. **Q-** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed items in applicable read files. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.3.3. **U.** Failed to conduct mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Failed to check factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Failed to read and initial items in applicable read files. Committed errors or omissions that could jeopardize mission accomplishment/safety.

5.4. AREA 2—BRIEFINGS

5.4.1. **Q.** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in and extracted pertinent information from aircrew briefing(s) IAW directives.

5.4.2. **Q-** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in and extracted pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.4.3. **U.** Failed to attend required briefings and extract/provide necessary information. Failed to conduct briefings in an organized, logical sequence IAW applicable directives. Failed to ensure the weapons team was briefed on applicable aspects of the weapons mission. Failed to participate in and extract pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that could negatively affect mission accomplishment/safety.

5.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

5.5.1. **Q.** Configured, manipulated, controlled, interpreted displays, and report outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives.

5.5.2. **Q-** Configured, manipulated, controlled, interpreted displays, and report outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.5.3. **U.** Failed to configure, manipulate, control, interpret displays, and report outages as required. Failed to update/utilize mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that could adversely affect mission accomplishment/safety.

5.6. AREA 4—COMMUNICATION SELECTION AND USE

5.6.1. **Q.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required.

5.6.2. **Q-** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.6.3. **U.** Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

5.7.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

5.7.2. **Q-** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.7.3. U. Failed to employ INFOSEC or ensure OPSEC controls are maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

5.8.1. Q. Used and controlled COMSEC IAW established procedures.

5.8.2. U. Failed to use and control COMSEC IAW established procedures.

5.9. AREA 7—AUTHENTICATION PROCEDURES

5.9.1. Q. Authenticated voice transmission within time limits specified on authenticators.

5.9.2. Q-. Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

5.9.3. U. Committed errors or omissions that jeopardized mission accomplishment.

5.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

5.10.1. Q. Employed R/T procedures IAW directives and local standard operating procedures.

5.10.2. Q-. Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.10.3. U. Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.11. AREA 9—COORDINATION

5.11.1. Q. Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives.

5.11.2. Q-. Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.11.3. U. Failed to coordinate and report requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.12. AREA 10—GROUND SAFETY (CRITICAL)

5.12.1. Q. Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

5.12.2. U. Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.13. AREA 11—CHECKLISTS

5.13.1. Q. Utilized positional checklist to perform tasks IAW directives.

5.13.2. **Q-** Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.13.3. **U.** Failed to utilize positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.14. AREA 12—SENSORS

5.14.1. **Q.** Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities.

5.14.2. **Q-** Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.14.3. **U.** Failed to recognize and report degraded sensor performance. Failed to coordinate sensor requirements to optimize presentation for mission accomplishment. Failed to understand the impact of major sensor changes on the mission. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.15. AREA 13—WEATHER INFORMATION

5.15.1. **Q.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

5.15.2. **Q-** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.15.3. **U.** Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

5.16.1. **Q.** Applied ROE, used hostile act/intent criteria, and complied with appropriate levels of authority IAW directives.

5.16.2. **U.** Failed to apply ROE, use hostile act/intent criteria, or comply with appropriate levels of authority IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.17. AREA 15—AIR PICTURE

5.17.1. **Q.** Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives.

5.17.2. **Q-** Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.17.3. U. Failed to maintain current weapons air picture or take actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

5.18.1. Q. Recognized and reported the presence of electronic/mechanical jamming/interference.

5.18.2. Q-. Recognized and reported the presence of electronic/mechanical jamming/interference. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.18.3. U. Failed to recognize and report the presence of electronic/mechanical jamming/interference. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

5.19.1. Q. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives.

5.19.2. Q-. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.19.3. U. Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.20. AREA 18—EXPANSION PROCEDURES (CONUS)

5.20.1. Q. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

5.20.2. Q-. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.20.3. U. Failed to supervise/control/assist with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

5.21.1. Q. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives.

5.21.2. Q-. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.21.3. U. Failed to recognize emergency aircraft situations, implement notification and recovery procedures, supervise emergency aircraft actions, or conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.22. AREA 20—BATTLE MANAGEMENT

5.22.1. Q. Developed and implemented the weapons team plan of execution. Contracted with other sections of the crew and external agencies to execute an effective plan. Led the weapons team in tactical employment of assigned aircraft to successfully accomplish mission tasking. Directed/ensured crew members select proper tactics based on aircraft capabilities, the threat, ROE, CONPLANS, SPINs, etc., and/or mission requirements IAW applicable directives.

5.22.2. Q-. Developed and implemented the weapons team plan of execution. Contracted with other sections of the crew and external agencies to execute an effective plan. Led the weapons team in tactical employment of assigned aircraft to successfully accomplish mission tasking. Directed/ensured crew members select proper tactics based on aircraft capabilities, the threat, ROE, CONPLANS, SPINs, etc., and/or mission requirements IAW applicable directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.22.3. U. Failed to develop and implement the weapons team plan of execution. Failed to contract with other sections of the crew and external agencies to execute an effective plan. Failed to lead the weapons team in tactical employment of assigned aircraft to successfully accomplish mission tasking. Failed to direct/ensure crew members select proper tactics based on aircraft capabilities, the threat, ROE, CONPLANS, SPINs, etc., and/or mission requirements IAW applicable directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.23. AREA 21—MISSION EXECUTION (CRITICAL)

5.23.1. Q. Executed the assigned mission and/or provided assistance IAW directives. Conducted the mission with a sense of understanding and comprehension. Decisions resulted in mission accomplishment and resources were effectively used to achieve mission objectives.

5.23.2. U. Failed to execute the assigned mission and/or provides assistance IAW directives. Failed to conduct the mission with a sense of understanding and comprehension. Failed to make decisions that result in mission accomplishment and failed to use resources effectively to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

5.24.1. Q. Reported and documented required items IAW directives.

5.24.2. Q-. Reported and documented required items IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.24.3. U. Failed to report and document required items IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

5.25.1. **Q.** Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives.

5.25.2. **Q-.** Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.25.3. **U.** Failed to brief the relieving operator on the current operational situation IAW directives. Failed to prepare and participate in mission objectives based weapons section/crew debriefings. Failed to prepare for and participate in aircrew debriefings IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.26. AREA 24—IDENTIFICATION (ID)AND SAFE PASSAGE PROCEDURES

5.26.1. **Q.** Ensured appropriate ID of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators.

5.26.2. **Q-.** Ensured appropriate ID of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.26.3. **U.** Failed to ensure appropriate ID of assigned assets. Failed to accomplish or direct unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.27. AREA 25—AIRCRAFT OPERATIONS

5.27.1. **Q.** Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives.

5.27.2. **Q-.** Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.27.3. **U.** Failed to supervise/assist/monitor/recommend aircraft generation (to include commit action as required), dispersal, and recovery. Failed to ensure allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

5.28. AREA 26—SAFETY OF FLIGHT (CRITICAL)

5.28.1. **Q.** Ensured safety of flight IAW directives.

5.28.2. **U.** Failed to ensure safety of flight IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

5.29. AREA 27—AIRSPACE MANAGEMENT/AIR TRAFFIC CONTROL (ATC) COORDINATION

5.29.1. **Q.** Coordinated and/or performed actions IAW directives.

5.29.2. **Q-.** Coordinated and/or performed actions IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.29.3. **U.** Failed to coordinate and/or perform actions IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.30. AREA 28—CONTINUUM OF CONTROL

5.30.1. **Q.** Supervised/directed fighters using radar and Identification Friend, or Foe/Selective Identification Feature (IFF/SIF) presentations. Used the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, *Air Operations Rules and Procedures* and AFTTP 3-1, *General Planning*, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction.

5.30.2. **Q-.** Supervised/directed fighters using radar and IFF/SIF presentations. Used the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214 and AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

5.30.3. **U.** Failed to supervise/direct fighters using radar and IFF/SIF presentations. Failed to use the continuum of control to accomplish missions consistent with briefed objectives, AFI 11-214 and AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

5.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

5.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

5.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

5.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 6

SENIOR DIRECTOR TECHNICIAN QUALIFICATION EVALUATION

6.1. General

6.1.1. This chapter contains the task criteria specifying the tasks required of a Qualified Senior Director Technician (SDT). Evaluation requirements are outlined in the table for SDT and Instructor Senior Director Technician (ISDT) positions.

6.1.2. The SDT evaluation will consist of the following areas (T-3):

6.1.2.1. The SDT evaluation must include performance during a live, virtual, constructive exercise (IAW AFI 13-1STAN/EVAL Vol. 2) and must perform SDT duties involving a minimum of two control teams during the exercise (T-3). Verbal examination is used to evaluate areas not observed during the positional portions of the evaluation.

6.1.2.2. The examinee assists the Air Weapons Officer (AWO)/Weapons Director (WD) during air-to-air training (ACT/DACT/TT), while the continuum of control is used, as briefed by the aircrew. SEEs make the determination as to whether briefed/conducted control activities meet/fulfill control requirements.

6.1.2.3. The examinee assists the AWO/WD during an air defense scenario using the continuum of control with a minimum of two separate interceptors/elements simultaneously.

6.1.2.4. The examinee assists the AWO/WD during air refueling operations using the continuum of control with at least two separate receivers/elements simultaneously rendezvousing on one or more tankers.

6.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all SDT duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 6.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	

13	Weather Information	
14	Rules of Engagement (ROE)	Critical
15	Air Picture	
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures	
19	Aircraft Emergency/Personnel recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	
25	Aircraft Operations	
26	Safety of Flight	Critical
27	Airspace Management/Air Traffic Control (ATC) Coordination	
28	Continuum of Control	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

6.3. AREA 1—MISSION PLANNING

6.3.1. **Q.** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed all items in applicable read files.

6.3.2. **Q-** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed items in applicable read files. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.3.3. **U.** Failed to conduct mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Failed to check factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Failed to read and initial items in applicable read files. Committed errors or omissions that jeopardize mission planning.

6.4. AREA 2—BRIEFINGS

6.4.1. **Q.** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured

the weapons team was briefed on applicable aspects of the weapons mission. Participated in and extracted pertinent information from aircrew briefing(s) IAW directives.

6.4.2. Q-. Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in and extracts pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.4.3. U. Failed to attend required briefings and extract/provide necessary information. Failed to conduct briefings in an organized, logical sequence IAW applicable directives. Failed to ensure the weapons team was briefed on applicable aspects of the weapons mission. Failed to participate in and extract pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

6.5.1. Q. Configured, manipulated, controlled, interpreted displays and reported outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives.

6.5.2. Q-. Configured, manipulated, controlled, interpreted displays and reported outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.5.3. U. Failed to configure, manipulate, control, interpret displays and report outages as required. Failed to update/utilize mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.6. AREA 4—COMMUNICATION SELECTION AND USE

6.6.1. Q. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required.

6.6.2. Q-. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.6.3. U. Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

6.7.1. Q. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

6.7.2. **Q-** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.7.3. **U.** Failed to employ INFOSEC or ensure OPSEC controls are maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

6.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

6.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

6.9. AREA 7—AUTHENTICATION PROCEDURES

6.9.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

6.9.2. **Q-** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

6.9.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

6.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

6.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

6.10.2. **Q-** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.10.3. **U.** Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.11. AREA 9—COORDINATION

6.11.1. **Q.** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives.

6.11.2. **Q-** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.11.3. **U.** Failed to coordinate and report requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.12. AREA 10—GROUND SAFETY (CRITICAL)

6.12.1. **Q.** Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

6.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.13. AREA 11—CHECKLISTS

6.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

6.13.2. **Q-.** Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.13.3. **U.** Failed to utilize positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.14. AREA 12—SENSORS

6.14.1. **Q.** Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities.

6.14.2. **Q-.** Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.14.3. **U.** Failed to recognize and report degraded sensor performance. Failed to coordinate sensor requirements to optimize presentation for mission accomplishment. Failed to understand the impact of major sensor changes on the mission. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.15. AREA 13—WEATHER INFORMATION

6.15.1. **Q.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

6.15.2. **Q-.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.15.3. **U.** Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

6.16.1. **Q.** Applied ROE, used hostile act/intent criteria, and complied with appropriate levels of authority IAW directives.

6.16.2. **U.** Failed to apply ROE, used hostile act/intent criteria, or comply with appropriate levels of authority IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.17. AREA 15—AIR PICTURE

6.17.1. **Q.** Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives.

6.17.2. **Q-** Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.17.3. **U.** Failed to maintain current weapons air picture or take actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

6.18.1. **Q.** Recognized and reported the presence of electronic/mechanical jamming/interference.

6.18.2. **Q-** Recognized and reported the presence of electronic/mechanical jamming/interference. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.18.3. **U.** Failed to recognize and report the presence of electronic/mechanical jamming/interference. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

6.19.1. **Q.** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives.

6.19.2. **Q-** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.19.3. **U.** Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.20. AREA 18—EXPANSION PROCEDURES (CONUS)

6.20.1. **Q.** Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

6.20.2. **Q-** Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.20.3. **U.** Failed to supervise/control/assist with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

6.21.1. **Q.** Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives.

6.21.2. **Q-**. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.21.3. **U**. Failed to recognize emergency aircraft situations, implement notification and recovery procedures, supervise emergency aircraft actions, or conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.22. AREA 20—BATTLE MANAGEMENT

6.22.1. **Q**. Developed and implemented the weapons team plan of execution. Contracted with other sections of the crew and external agencies to execute an effective plan. Led the weapons team in tactical employment of assigned aircraft to successfully accomplish mission tasking. Directed/ensured crew members select proper tactics based on aircraft capabilities, the threat, ROE, CONPLANS, SPINs, etc., and/or mission requirements IAW applicable directives.

6.22.2. **Q-**. Developed and implemented the weapons team plan of execution. Contracted with other sections of the crew and external agencies to execute an effective plan. Led the weapons team in tactical employment of assigned aircraft to successfully accomplish mission tasking. Directed/ensured crew members select proper tactics based on aircraft capabilities, the threat, ROE, CONPLANS, SPINs, etc., and/or mission requirements IAW applicable directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.22.3. **U**. Failed to develop and implement the weapons team plan of execution. Failed to contract with other sections of the crew and external agencies to execute an effective plan. Failed to lead the weapons team in tactical employment of assigned aircraft to successfully accomplish mission tasking. Failed to direct/ensure crew members select proper tactics based on aircraft capabilities, the threat, ROE, CONPLANS, SPINs, etc., and/or mission requirements IAW applicable directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.23. AREA 21—MISSION EXECUTION (CRITICAL)

6.23.1. **Q**. Executed the assigned mission and/or provided assistance IAW directives. Conducted the mission with a sense of understanding and comprehension. Decisions resulted in mission accomplishment and resources are effectively used to achieve mission objectives.

6.23.2. **U**. Failed to execute the assigned mission and/or provide assistance IAW directives. Failed to conduct the mission with a sense of understanding and comprehension. Failed to make decisions that result in mission accomplishment and failed to use resources effectively to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

6.24.1. **Q**. Reported and documented required items IAW directives.

6.24.2. **Q-**. Reported and documented required items IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.24.3. U. Failed to report and document required items IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

6.25.1. Q. Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives.

6.25.2. Q-. Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.25.3. U. Failed to brief the relieving operator on the current operational situation IAW directives. Failed to prepare and participate in mission objectives based weapons section/crew debriefings. Failed to prepare for and participate in aircrew debriefings IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.26. AREA 24—IDENTIFICATION (ID) AND SAFE PASSAGE PROCEDURES

6.26.1. Q. Ensured appropriate identification of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators.

6.26.2. Q-. Ensured appropriate identification of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.26.3. U. Failed to ensure appropriate identification of assigned assets. Failed to accomplish or direct unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.27. AREA 25—AIRCRAFT OPERATIONS

6.27.1. Q. Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives.

6.27.2. Q-. Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.27.3. U. Failed to supervise/assist/monitor/recommend aircraft generation (to include commit action as required), dispersal, and recovery. Failed to ensure allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.28. AREA 26—SAFETY OF FLIGHT (CRITICAL)

6.28.1. **Q.** Ensured safety of flight IAW directives.

6.28.2. **U.** Failed to ensure safety of flight IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.29. AREA 27—AIRSPACE MANAGEMENT/AIR TRAFFIC CONTROL (ATC) COORDINATION

6.29.1. **Q.** Coordinated and/or performed actions IAW directives.

6.29.2. **Q-.** Coordinated and/or performed actions IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.29.3. **U.** Failed to coordinate and/or perform actions IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.30. AREA 28—CONTINUUM OF CONTROL

6.30.1. **Q.** Supervised/assisted in the direction of fighters using radar and IFF/SIF presentations. Understood the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction.

6.30.2. **Q-.** Supervised/assisted in the direction of fighters using radar and IFF/SIF presentations. Understood the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

6.30.3. **U.** Failed to supervise/assist in the direction of fighters using radar and IFF/SIF presentations. Failed to understand the continuum of control to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

6.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

6.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

6.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

6.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 7

WEAPONS QUALIFICATION EVALUATION

7.1. General

7.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Air Weapons Officer (AWO)/Weapons Director (WD). Evaluation requirements are outlined in the table for AWO/WD and Instructor Air Weapons Officer (IAWO), Instructor Weapons Director (IWD) positions.

7.1.2. The AWO/WD evaluation will consist of the following three positional areas (T-3):

7.1.2.1. The examinee controls air-to-air training (ACT/DACT/TI), using the continuum of control, as briefed by the aircrew. SEEs make the determination as to whether briefed/conducted control activities meet/fulfill control requirements.

7.1.2.2. The examinee controls an air defense scenario using the continuum of control to a minimum of two separate interceptors/elements simultaneously.

7.1.2.3. The examinee controls air refueling operations using the continuum of control to at least two separate receivers/elements simultaneously rendezvousing on one or more tankers.

7.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all AWO/WD duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 7.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	Critical
15	Air Picture	
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	

19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	N/A
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	
25	Aircraft Operations	
26	Safety of Flight	Critical
27	Airspace Management/Air Traffic Control (ATC) Coordination	
28	Continuum of Control	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

7.3. AREA 1—MISSION PLANNING

7.3.1. **Q.** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed all items in applicable read files.

7.3.2. **Q-** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed items in applicable read files. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.3.3. **U.** Failed to conduct mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Failed to check factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Failed to read and initial items in applicable read files. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.4. AREA 2—BRIEFINGS

7.4.1. **Q.** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in and extracts pertinent information from aircrew briefing(s) IAW directives.

7.4.2. **Q-** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in

and extracts pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.4.3. U. Failed to attend required briefings and extract/provide necessary information. Failed to conduct briefings in an organized, logical sequence IAW applicable directives. Failed to ensure the weapons team was briefed on applicable aspects of the weapons mission. Failed to participate in and extract pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

7.5.1. Q. Configured, manipulated, controlled, interpreted displays and reported outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives.

7.5.2. Q-. Configured, manipulated, controlled, interpreted displays and reported outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.5.3. U. Failed to configure, manipulate, control, interpret displays and report outages as required. Failed to update/utilize mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.6. AREA 4—COMMUNICATION SELECTION AND USE

7.6.1. Q. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required.

7.6.2. Q-. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.6.3. U. Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

7.7.1. Q. Employed INFOSEC and ensured OPSEC controlled were maintained IAW appropriate publications.

7.7.2. Q-. Employed INFOSEC and ensured OPSEC controlled were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.7.3. U. Failed to employ INFOSEC or ensure OPSEC controlled were maintained IAW appropriate publications. Committed errors or omissions that jeopardize INFOSEC/OPSEC.

7.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

7.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

7.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

7.9. AREA 7—AUTHENTICATION PROCEDURES

7.9.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

7.9.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

7.9.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

7.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

7.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

7.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.10.3. **U.** Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.11. AREA 9—COORDINATION

7.11.1. **Q.** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives.

7.11.2. **Q-.** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.11.3. **U.** Failed to coordinate and report requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.12. AREA 10—GROUND SAFETY (CRITICAL)

7.12.1. **Q.** Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

7.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.13. AREA 11—CHECKLISTS

7.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

7.13.2. **Q-.** Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.13.3. **U.** Failed to utilize positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.14. AREA 12—SENSORS

7.14.1. **Q.** Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities.

7.14.2. **Q-.** Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.14.3. **U.** Failed to recognize and report degraded sensor performance. Failed to coordinate sensor requirements to optimize presentation for mission accomplishment. Failed to understand the impact of major sensor changes on the mission. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.15. AREA 13—WEATHER INFORMATION

7.15.1. **Q.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

7.15.2. **Q-.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.15.3. **U.** Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

7.16.1. **Q.** Applied ROE, used hostile act/intent criteria, and complied with appropriate levels of authority IAW directives.

7.16.2. **U.** Failed to apply ROE, use hostile act/intent criteria, or comply with appropriate levels of authority IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.17. AREA 15—AIR PICTURE

7.17.1. **Q.** Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives.

7.17.2. **Q-.** Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.17.3. **U.** Failed to maintain current weapons air picture or take actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

7.18.1. **Q.** Recognized and reported the presence of electronic/mechanical jamming/interference.

7.18.2. **Q-.** Recognized and reported the presence of electronic/mechanical jamming/interference. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.18.3. **U.** Failed to recognize and report the presence of electronic/mechanical jamming/interference. Committed errors or omissions that negatively affect the recognition and reporting of electronic attack/interference.

7.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

7.19.1. **Q.** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives.

7.19.2. **Q-.** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.19.3. **U.** Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.20. AREA 18—EXPANSION PROCEDURES (CONUS)

7.20.1. **Q.** Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

7.20.2. **Q-.** Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.20.3. **U.** Failed to supervise/control/assist with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

7.21.1. **Q.** Recognized emergency aircraft situations, implements notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives.

7.21.2. **Q-.** Recognized emergency aircraft situations, implements notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.21.3. **U.** Failed to recognize emergency aircraft situations, implement notification and recovery procedures, supervise emergency aircraft actions, or conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.22. AREA 20—BATTLE MANAGEMENT N/A

7.23. AREA 21—MISSION EXECUTION (CRITICAL)

7.23.1. **Q.** Executed the assigned mission and/or provided assistance IAW directives. Conducted the mission with a sense of understanding and comprehension. Decisions result in mission accomplishment and resources are effectively used to achieve mission objectives.

7.23.2. **U.** Failed to execute the assigned mission and/or provides assistance IAW directives. Failed to conduct the mission with a sense of understanding and comprehension. Failed to make decisions that result in mission accomplishment and failed to use resources effectively to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

7.24.1. **Q.** Reported and documented required items IAW directives.

7.24.2. **Q-.** Reported and documented required items IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.24.3. **U.** Failed to report and document required items IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

7.25.1. **Q.** Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives.

7.25.2. **Q-.** Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.25.3. **U.** Failed to brief the relieving operator on the current operational situation IAW directives. Failed to prepare and participate in mission objectives based weapons section/crew debriefings. Failed to prepare for and participate in aircrew debriefings IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.26. AREA 24—IDENTIFICATION (ID) AND SAFE PASSAGE PROCEDURES

7.26.1. **Q.** Ensured appropriate identification of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators.

7.26.2. **Q-.** Ensured appropriate identification of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.26.3. **U.** Failed to ensure appropriate identification of assigned assets. Failed to accomplish or direct unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.27. AREA 25—AIRCRAFT OPERATIONS

7.27.1. **Q.** Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives.

7.27.2. **Q-.** Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.27.3. **U.** Failed to supervise/assist/monitor/recommend aircraft generation (to include commit action as required), dispersal, and recovery. Failed to ensure allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.28. AREA 26—SAFETY OF FLIGHT (CRITICAL)

7.28.1. **Q.** Ensured safety of flight IAW directives.

7.28.2. **U.** Failed to ensure safety of flight IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.29. AREA 27—AIRSPACE MANAGEMENT/AIR TRAFFIC CONTROL (ATC) COORDINATION

7.29.1. **Q.** Coordinated and/or performed actions IAW directives.

7.29.2. **Q-.** Coordinated and/or performed actions IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.29.3. **U.** Failed to coordinate and/or perform actions IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.30. AREA 28—CONTINUUM OF CONTROL

7.30.1. **Q.** Supervised/directed fighters using radar and IFF/SIF presentations. Used the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction.

7.30.2. **Q-.** Supervised/directed fighters using radar and IFF/SIF presentations. Used the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

7.30.3. **U.** Failed to supervise/direct fighters using radar and IFF/SIF presentations. Failed to use the continuum of control to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, enemy order of battle, and/or leadership direction. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

7.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

7.31.1. AREA 29—INSTRUCTIONAL ABILITY

7.31.2. AREA 30—BRIEFINGS/CRITIQUE

7.31.3. AREA 31—DEMONSTRATION AND PERFORMANCE

Chapter 8

WEAPONS DIRECTOR TECHNICIAN QUALIFICATION EVALUATION

8.1. General

8.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Weapons Director Technician (WDT). Evaluation requirements are outlined in the table for WDT and Instructor Weapons Director technician (IWDT) positions.

8.1.2. The WDT evaluation will consist of assisting an AWO/WD in performing the following events (T-3):

8.1.2.1. The examinee assists the AWO/WD during air-to-air training (ACT/DACT/TI), while the continuum of control is used, as briefed by the aircrew. SEEs make the determination as to whether briefed/conducted control activities meet/fulfill control requirements.

8.1.2.2. The examinee assists the AWO/WD during an air defense scenario using the continuum of control with a minimum of two separate interceptors/elements simultaneously.

8.1.2.3. The examinee assists the AWO/WD during air refueling operations using the continuum of control with at least two separate receivers/elements simultaneously rendezvousing on one or more tankers.

8.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all WDT duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 8.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	Critical
15	Air Picture	
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	

18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/SAR procedures	
20	Battle Management	N/A
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	
25	Aircraft Operations	
26	Safety of Flight	Critical
27	Airspace Management/Air Traffic Control (ATC) Coordination	
28	Continuum of Control	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

8.3. AREA 1—MISSION PLANNING

8.3.1. **Q.** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed all items in applicable read files.

8.3.2. **Q-** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Checked factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Read and initialed items in applicable read files. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.3.3. **U.** Failed to conduct mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Failed to check factors applicable to the mission (i.e. LOAs, SPINS, ROE, ATO, lessons learned, training requirements, employment capabilities, WX, EOB and daily flying schedule). Failed to read and initial items in applicable read files. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.4. AREA 2—BRIEFINGS

8.4.1. **Q.** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in and extracted pertinent information from aircrew briefing(s) IAW directives.

8.4.2. **Q-** Attended required briefings and extracted/provided necessary information. Conducted briefings in an organized, logical sequence IAW applicable directives. Ensured the weapons team was briefed on applicable aspects of the weapons mission. Participated in

and extracted pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety

8.4.3. U. Failed to attend required briefings and extract/provide necessary information. Failed to conduct briefings in an organized, logical sequence IAW applicable directives. Failed to ensure the weapons team was briefed on applicable aspects of the weapons mission. Failed to participate in and extract pertinent information from aircrew briefing(s) IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

8.5.1. Q. Configured, manipulated, controlled, interpreted displays, and reported outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives.

8.5.2. Q-. Configured, manipulated, controlled, interpreted displays, and reported outages as required. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.5.3. U. Failed to configure, manipulate, control, interpret displays, and report outages as required. Failed to update/utilize mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.6. AREA 4—COMMUNICATION SELECTION AND USE

8.6.1. Q. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required.

8.6.2. Q-. Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.6.3. U. Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

8.7.1. Q. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

8.7.2. Q-. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.7.3. U. Failed to employ INFOSEC or ensure OPSEC controls are maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

8.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

8.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

8.9. AREA 7—AUTHENTICATION PROCEDURES

8.9.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

8.9.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

8.9.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

8.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

8.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

8.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.10.3. **U.** Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.11. AREA 9—COORDINATION

8.11.1. **Q.** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives.

8.11.2. **Q-.** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.11.3. **U.** Failed to coordinate and report requirements, mission changes, equipment discrepancies, and limitations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.12. AREA 10—GROUND SAFETY (CRITICAL)

8.12.1. **Q.** Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

8.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.13. AREA 11—CHECKLISTS

8.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

8.13.2. **Q-.** Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.13.3. U. Failed to utilize positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.14. AREA 12—SENSORS

8.14.1. Q. Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities.

8.14.2. Q-. Recognized and reported degraded sensor performance. Coordinated sensor requirements to optimize presentation for mission accomplishment. Understood impact of major sensor changes on the mission. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.14.3. U. Failed to recognize and report degraded sensor performance. Failed to coordinate sensor requirements to optimize presentation for mission accomplishment. Failed to understand the impact of major sensor changes on the mission. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.15. AREA 13—WEATHER INFORMATION

8.15.1. Q. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

8.15.2. Q-. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.15.3. U. Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

8.16.1. Q. Applied ROE, used hostile act/intent criteria, and complied with appropriate levels of authority IAW directives.

8.16.2. U. Failed to apply ROE, use hostile act/intent criteria, or comply with appropriate levels of authority IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.17. AREA 15—AIR PICTURE

8.17.1. Q. Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives.

8.17.2. Q-. Maintained current weapons air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.17.3. U. Failed to maintain current weapons air picture or take actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

8.18.1. Q. Recognized and reported the presence of electronic/mechanical jamming/interference.

8.18.2. Q-. Recognized and reported the presence of electronic/mechanical jamming/interference. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.18.3. U. Failed to recognize and report the presence of electronic/mechanical jamming/interference. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

8.19.1. Q. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives.

8.19.2. Q-. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.19.3. U. Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.20. AREA 18—EXPANSION PROCEDURES (CONUS)

8.20.1. Q. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

8.20.2. Q-. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.20.3. U. Failed to supervise/control/assist with expansion and expansion recovery procedures as required IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

8.21.1. Q. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives.

8.21.2. Q-. Recognized emergency aircraft situations, implemented notification and recovery procedures, supervised emergency aircraft actions, and conducted PR operations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.21.3. U. Failed to recognize emergency aircraft situations, implement notification and recovery procedures, supervise emergency aircraft actions, or conduct SP operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.22. AREA 20—BATTLE MANAGEMENT N/A

8.23. AREA 21—MISSION EXECUTION (CRITICAL)

8.23.1. Q. Executed the assigned mission and/or provided assistance IAW directives. Conducted the mission with a sense of understanding and comprehension. Decisions resulted in mission accomplishment and resources were effectively used to achieve mission objectives.

8.23.2. U. Failed to execute the assigned mission and/or provides assistance IAW directives. Failed to conduct the mission with a sense of understanding and comprehension. Failed to make decisions that result in mission accomplishment and failed to use resources effectively to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

8.24.1. Q. Reported and documented required items IAW directives.

8.24.2. Q-. Reported and documented required items IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.24.3. U. Failed to report and document required items IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

8.25.1. Q. Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based on weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives.

8.25.2. Q-. Briefed the relieving operator on the current operational situation IAW directives. Prepared and participated in mission objectives based on weapons section/crew debriefings. Prepared for and participated in aircrew debriefings IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.25.3. U. Failed to brief the relieving operator on the current operational situation IAW directives. Failed to prepare and participate in mission objectives based weapons section/crew debriefings. Failed to prepare for and participate in aircrew debriefings IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.26. AREA 24—IDENTIFICATION AND SAFE PASSAGE PROCEDURES

8.26.1. Q. Ensured appropriate ID of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators.

8.26.2. Q-. Ensured appropriate ID of assigned assets. Accomplished or directed unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.26.3. U. Failed to ensure appropriate ID of assigned assets. Failed to accomplish or direct unknown rider/unknown cowboy procedures (N/A PACAF units) IAW applicable authenticators. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.27. AREA 25—AIRCRAFT OPERATIONS

8.27.1. Q. Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives.

8.27.2. Q-. Supervised/assisted with/monitored/recommended aircraft generation (to include commit action as required), dispersal, and recovery. Ensured allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.27.3. U. Failed to supervise/assist/monitor/recommend aircraft generation (to include commit action as required), dispersal, and recovery. Failed to ensure allocation of resources to cope with tactical situations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.28. AREA 26—SAFETY OF FLIGHT (CRITICAL)

8.28.1. Q. Ensured safety of flight IAW directives.

8.28.2. U. Failed to ensure safety of flight IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.29. AREA 27—AIRSPACE MANAGEMENT/ATC COORDINATION

8.29.1. Q. Coordinated and/or performed actions IAW directives.

8.29.2. Q-. Coordinated and/or performed actions IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.29.3. U. Failed to coordinate and/or perform actions IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.30. AREA 28—CONTINUUM OF CONTROL

8.30.1. Q. Assisted with the direction of fighters using radar and IFF/SIF presentations. Understood the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, EOB, and/or leadership direction.

8.30.2. Q-. Assisted with the direction of fighters using radar and IFF/SIF presentations. Understood the continuum of control to position assets to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat, EOB, and/or leadership direction. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

8.30.3. U. Failed to assist with the direction of fighters using radar and IFF/SIF presentations. Failed to understand the continuum of control to accomplish missions consistent with briefed objectives, AFI 11-214, AFTTP 3-1, aircraft capabilities, ROE, threat,

EOB, and/or leadership direction. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

8.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

8.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

8.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

8.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 9

AIR SURVEILLANCE OFFICER

9.1. General

9.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Air Surveillance Officer (ASO). Evaluation requirements are outlined in the table for ASO and Instructor Air Surveillance Officer (IASO) positions.

9.1.2. The ASO evaluation must include performance during a live, virtual, or constructive exercise as defined in AFI 13-1 STAN/EVAL Vol. 2 (T-3).

9.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all ASO duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 9.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	N/A
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	Critical
13	Weather Information	
14	Rules of Engagement (ROE)	
15	Air Picture	Critical
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	N/A
25	Aircraft Operations	N/A
26	Safety of Flight	N/A
27	Airspace Management/Air Traffic Control (ATC) Coordination	N/A

28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

9.3. AREA 1—MISSION PLANNING

9.3.1. **Q.** Performed/assisted with mission planning, accounted for known mission capabilities, requirements, EOB, limitations, and approved operating procedures IAW directives.

9.3.2. **Q-.** Performed/assisted with mission planning, accounted for known mission capabilities, requirements, EOB, limitations, and approved operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.3.3. **U.** Failed to conduct/perform/assist mission planning, account for known mission capabilities, requirements, EOB, limitations, and approved operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.4. AREA 2—BRIEFINGS

9.4.1. **Q.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment IAW directives.

9.4.2. **Q-.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.4.3. **U.** Failed to supervise, conduct and/or attend briefings and extract/provide information consistent to mission accomplishment. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

9.5.1. **Q.** Configured, manipulated, controlled, interpreted displays and responded to alerts. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives and report outages.

9.5.2. **Q-.** Configured, manipulated, controlled, interpreted displays and responded to alerts. Updated/utilized mission auxiliary and other computer equipment to accomplish assigned tasks and reported outages. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.5.3. **U.** Failed to configure, manipulate, control, interpret displays or respond to alerts. Did not update/utilize mission/auxiliary and other computer equipment to accomplish assigned tasks and reported outages. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.6. AREA 4—COMMUNICATIONS SELECTION AND USE

9.6.1. **Q.** Selected, monitored and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required.

9.6.2. **Q-.** Selected, monitored and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.6.3. **U.** Failed to select, monitor and operate communications equipment IAW system manuals, mission tasking, and directives. Did not ensure completion of communications checks and report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

9.7.1. **Q.** Employed INFOSEC and ensured OPSEC controls are maintained IAW appropriate publications.

9.7.2. **Q-.** Employed INFOSEC and ensured OPSEC controls are maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.7.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls are maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

9.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

9.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

9.9. AREA 7—AUTHENTICATION PROCEDURES (N/A)

9.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

9.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

9.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.10.3. **U.** Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.11. AREA 9—COORDINATION

9.11.1. **Q.** Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives.

9.11.2. Q-. Coordinated and reported mission requirements, mission changes, equipment discrepancies, and limitations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.11.3. U. Failed to coordinate and report requirements, mission changes, equipment discrepancies, and limitations. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.12. AREA 10—GROUND SAFETY (CRITICAL)

9.12.1. Q. Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

9.12.2. U. Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.13. AREA 11—CHECKLISTS

9.13.1. Q. Utilized positional checklist to perform tasks IAW directives.

9.13.2. Q-. Utilized positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.13.3. U. Failed to utilize positional checklist to perform tasks. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.14. AREA 12—SENSORS (CRITICAL)

9.14.1. Q. Recognized and reported degraded sensor performance. Implemented sensor changes to optimize presentation based on equipment availability capabilities, limitations, and/or mission tasking IAW directives. Demonstrated knowledge of theoretical radar configurations and capabilities.

9.14.2. U. Failed to recognize and report degraded sensor performance. Implemented sensor changes to optimize presentation based on equipment availability capabilities, limitations, and/or mission tasking IAW directives. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.15. AREA 13—WEATHER INFORMATION

9.15.1. Q. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

9.15.2. Q-. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.15.3. U. Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.16. AREA 14—RULES OF ENGAGEMENT (ROE)

9.16.1. **Q.** Understood basic knowledge of the ROE with appropriate levels of authority IAW directives.

9.16.2. **Q-.** Understood basic knowledge of the ROE with appropriate levels of authority. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.16.3. **U.** Failed to demonstrate the basic knowledge of the ROE with appropriate levels of authority. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.17. AREA 15—AIR PICTURE (CRITICAL)

9.17.1. **Q.** Maintained current air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Ensured tracks were detected, tracked, updated, and reported. Monitored link operations and took action to ensure effective data exchange is achieved.

9.17.2. **U.** Failed to maintain current air picture and take actions to ensure an accurate and identifiable air picture IAW directives. Tracks were not detected, tracked, updated, and reported. Link operations were not monitored to ensure effective data exchange. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

9.18.1. **Q.** Recognized and reported the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Took actions to correlate source of EA and applied EP IAW directives.

9.18.2. **Q-.** Recognized and reported the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Took actions to correlate source of EA and applied EP IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.18.3. **U.** Failed to recognize and report the presence of electronic/mechanical jamming/interference. Notification and reporting procedures were not implemented IAW directives. Actions were not taken to correlate source of EA or EP as appropriate. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

9.19.1. **Q.** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required, IAW directives.

9.19.2. **Q-.** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.19.3. **U.** Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.20. AREA 18—EXPANSION PROCEDURES (CONUS ONLY)

9.20.1. **Q.** Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

9.20.2. Q-. Supervised/controlled/assisted with expansion and expansion recovery procedures as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.20.3. U. Failed to supervise/control/assist with expansion and expansion recovery procedures as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

9.21.1. Q. Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations IAW directives.

9.21.2. Q-. Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.21.3. U. Failed to recognize emergency aircraft situations, implement reporting procedures, monitor emergency aircraft actions, and conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.22. AREA 20—BATTLE MANAGEMENT

9.22.1. Q. Executed/assisted with SPINS,OPORDs/CONPLANs. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment IAW directives.

9.22.2. Q-. Executed/assisted with SPINS,OPORDs/CONPLANs. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.22.3. U. Failed to execute/assist with operational orders/plans SPINS,OPORDs/CONPLANs. Did not supervise/control/assist with employment of resources within the limitations and capabilities of assigned equipment with IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

9.23. AREA 21—MISSION EXECUTION (CRITICAL)

9.23.1. Q. Executed the assigned mission IAW directives. Conducted the mission with a sense of understanding and comprehension. Decisions resulted in mission accomplishment and resources were effectively used to achieve mission objectives.

9.23.2. U. Failed to execute the assigned mission IAW directives. Did not conduct the mission with a sense of understanding and comprehension. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

9.24.1. Q. Reported and documented all required items to include radar outages and EA IAW directives.

9.24.2. Q-. Reported and documented all required items to include radar outages and EA. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.24.3. U. Failed to report and document all required items to include radar outages and EA IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

9.25.1. Q. Conducted changeover/debriefing IAW directives.

9.25.2. Q-. Conducted changeover/debriefing. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

9.25.3. U. Failed to conduct changeover/debriefing. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

9.26. AREA 24—IDENTIFICATION/SAFE PASSAGE N/A

9.27. AREA 25—AIRCRAFT OPERATIONS N/A

9.28. AREA 26—SAFETY OF FLIGHT N/A

9.29. AREA 27—AIRSPACE MANAGEMENT/ATC COORDINATION N/A

9.30. AREA 28—CONTINUUM OF CONTROL N/A

9.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in Paragraphs 2.3-5 of this instruction.

9.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

9.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

9.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 10

AIR SURVEILLANCE TECHNICIAN QUALIFICATION EVALUATION

10.1. General

10.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Air Surveillance Technician (AST). Evaluation requirements are outlined in the table for AST and Instructor Air Surveillance Technician (IAST) positions.

10.1.2. The AST evaluation must include performance as a Tracking Technician (TT) during a live, virtual, or constructive exercise as defined in AFI 13-1 STAN/EVAL Vol. 2 (T-3).

10.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all AST duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 10.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	N/A
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	Critical
13	Weather Information	
14	Rules of Engagement (ROE)	
15	Air Picture	Critical
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	N/A
25	Aircraft Operations	N/A
26	Safety of Flight	N/A
27	Airspace Management/Air Traffic Control (ATC) Coordination	N/A

28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

10.3. AREA 1—MISSION PLANNING

10.3.1. **Q.** Performed/assisted with mission planning, accounted for known mission capabilities, requirements, EOB, limitations, and approved operating procedures IAW directives.

10.3.2. **Q-.** Performed/assisted with mission planning, accounted for known mission capabilities, requirements, EOB, limitations, and approved operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.3.3. **U.** Failed to conduct/perform/assist mission planning, account for known mission capabilities, requirements, EOB, limitations, and approved operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety

10.4. AREA 2—BRIEFINGS

10.4.1. **Q.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment IAW directives.

10.4.2. **Q-.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.4.3. **U.** Failed to supervise, conduct and/or attend briefings and extract/provide information consistent to mission accomplishment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

10.5.1. **Q.** Configured, manipulated, controlled, interpreted displays and responded to alerts. Updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives and reported outages.

10.5.2. **Q-.** Configured, manipulated, controlled, interpreted displays and responded to alerts. Updated/utilized mission auxiliary and other computer equipment to accomplish assigned tasks and reported outages. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.5.3. **U.** Failed to configure, manipulate, control, interpret displays or respond to alerts. Failed to update/utilize mission/auxiliary and other computer equipment to accomplish assigned tasks and/or failed to report outages. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.6. AREA 4—COMMUNICATION SELECTION AND USE

10.6.1. **Q.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required.

10.6.2. **Q-.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and report outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.6.3. **U.** Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to ensure completion of communications checks and/or report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

10.7.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

10.7.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.7.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

10.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

10.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

10.9. AREA 7—AUTHENTICATION PROCEDURES (N/A)

10.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

10.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

10.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.10.3. **U.** Failed to employ R/T procedures and or committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.11. AREA 9—COORDINATION

10.11.1. **Q.** Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives.

10.11.2. **Q-.** Coordinated and reported mission requirements, mission changes, equipment discrepancies, and limitations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.11.3. U. Failed to coordinate and report requirements, mission changes, equipment discrepancies, and limitations. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.12. AREA 10—GROUND SAFETY (CRITICAL)

10.12.1. Q. Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

10.12.2. U. Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.13. AREA 11—CHECKLISTS

10.13.1. Q. Utilized positional checklist to perform tasks IAW directives.

10.13.2. Q-. Utilized positional checklist to perform tasks. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.13.3. U. Failed to utilize positional checklist to perform tasks. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.14. AREA 12—SENSORS (CRITICAL)

10.14.1. Q. Recognized and reported degraded sensor performance. Implemented sensor changes to optimize presentation based on equipment availability, capabilities limitations, and/or mission tasking IAW directives. Demonstrated knowledge of theoretical radar configurations and capabilities.

10.14.2. U. Failed to recognize and report degraded sensor performance. Failed to implement sensor changes to optimize presentation based on equipment availability, capabilities, limitations, and/or mission tasking IAW directives. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.15. AREA 13—WEATHER INFORMATION

10.15.1. Q. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

10.15.2. Q-. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.15.3. U. Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.16. AREA 14—RULES OF ENGAGEMENT (ROE)

10.16.1. Q. Understood basic knowledge of the ROE with appropriate levels of authority IAW directives.

10.16.2. Q-. Understood basic knowledge of the ROE with appropriate levels of authority. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.16.3. U. Failed to demonstrate the basic knowledge of the ROE with appropriate levels of authority. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.17. AREA 15—AIR PICTURE (CRITICAL)

10.17.1. Q. Maintained current air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Ensured tracks were detected, tracked, updated, and reported. Monitored link operations and took action to ensure effective data exchange is achieved.

10.17.2. U. Failed to maintain current air picture and take actions to ensure an accurate and identifiable air picture IAW directives. Tracks were not detected, tracked, updated, and reported. Link operations were not monitored to ensure effective data exchange. Committed errors or omissions that could have jeopardized mission accomplishment/safety

10.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

10.18.1. Q. Recognized the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Took actions to correlate source of EA and applied EP IAW directives.

10.18.2. Q-. Recognized and reported the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Took actions to correlate source of EA and applied EP. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.18.3. U. Failed to recognize and report the presence of electronic/mechanical jamming/interference. Notification and reporting procedures were not implemented IAW directives. Actions were not taken to correlate source of EA or EP. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

10.19.1. Q. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required, IAW directives.

10.19.2. Q-. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.19.3. U. Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.20. AREA 18—EXPANSION PROCEDURES (CONUS ONLY)

10.20.1. Q. Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

10.20.2. Q-. Supervised/controlled/assisted with expansion and expansion recovery procedures as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.20.3. U. Failed to supervise/control/assist with expansion and expansion recovery procedures as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety

10.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

10.21.1. Q. Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations IAW directives.

10.21.2. Q-. Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.21.3. U. Failed to recognize emergency aircraft situations, implement reporting procedures, monitor emergency aircraft actions, and conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

10.22. AREA 20—BATTLE MANAGEMENT

10.22.1. Q. Executed/assisted with SPINS, OPORDs, CONPLANs. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment IAW directives.

10.22.2. Q-. Executed/assisted with SPINS, OPORDs/CONPLANs. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.22.3. U. Failed to execute/assist with operational orders/plans SPINS, OPORDs/CONPLANs. Did not supervise/control/assist with employment of resources within the limitations and capabilities of assigned equipment with IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

10.23. AREA 21—MISSION EXECUTION (CRITICAL)

10.23.1. Q. Executed the assigned mission IAW directives. Conducted the mission with a sense of understanding and comprehension. Decisions resulted in mission accomplishment and resources were effectively used to achieve mission objectives.

10.23.2. U. Failed to execute the assigned mission IAW directives. Did not conduct the mission with a sense of understanding and comprehension. Decisions jeopardized mission accomplishment and resources were ineffectively used to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

10.24.1. Q. Reported and documented all required items to include radar outages and EA IAW directives.

10.24.2. Q-. Reported and documented required items to include radar outages and EA IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.24.3. U. Failed to report and document all required items to include radar outages and EA IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

10.25.1. Q. Conducted changeover/debriefing IAW directives.

10.25.2. Q-. Conducted changeover/debriefing. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

10.25.3. U. Failed to conduct changeover/debriefing, or changeover/debriefing contained errors or omissions that jeopardized mission/safety. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

10.26. AREA 24—IDENTIFICATION/SAFE PASSAGE N/A

10.27. AREA 25—AIRCRAFT OPERATIONS N/A

10.28. AREA 25—SAFETY OF FLIGHT N/A

10.29. AREA 27—AIRSPACE MANAGEMENT/AIR TRAFFIC CONTROL (ATC) COORDINATION N/A

10.30. AREA 28—CONTINUUM OF CONTROL N/A

10.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

10.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

10.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

10.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 11

TRACKING TECHNICIAN QUALIFICATION EVALUATION

11.1. General

11.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Tracking Technician (TT). Evaluation requirements are outlined in the table for TT and Instructor Tracking Technician (ITT) positions.

11.1.2. The TT must be evaluated during a live, virtual, or constructive exercise (T-3). For the HIRAOC, TT evaluations may also be conducted during normal air defense operations so long as required items are appraised.

11.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all TT duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 11.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	N/A
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	
15	Air Picture	Critical
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	N/A
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	N/A
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	N/A
25	Aircraft Operations	N/A
26	Safety of Flight	N/A

27	Airspace Management/Air Traffic Control (ATC) Coordination	N/A
28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

11.3. AREA 1—MISSION PLANNING

11.3.1. **Q.** Performed/assisted with mission planning. Accounted for known mission capabilities, requirements, enemy order of battle, limitations, and approved operating procedures IAW directives.

11.3.2. **Q-.** Performed/assisted with mission planning. Accounted for known mission capabilities, requirements, enemy order of battle, limitations, and approved operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.3.3. **U.** Failed to conduct/perform/assist mission planning, account for known mission capabilities, requirements, enemy order of battle, limitations, or approved operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.4. AREA 2—BRIEFINGS

11.4.1. **Q.** Conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment IAW directives.

11.4.2. **Q-.** Conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.4.3. **U.** Failed to conduct and/or attend briefings and extract/provide information consistent to mission accomplishment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

11.5.1. **Q.** Configured, manipulated, controlled, interpreted displays, and responded to alerts. Reported outages and updated/utilized mission, auxiliary and other computer equipment to accomplish assigned tasks IAW directives.

11.5.2. **Q-.** Configured, manipulated, controlled, interpreted displays, and responded to alerts. Reported outages, updated/utilized mission auxiliary and other computer equipment to accomplish assigned tasks. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.5.3. **U.** Failed to configure, manipulate, control, interpret displays or respond to alerts. Failed to report outages and update/utilize mission/auxiliary, other computer equipment to

accomplish assigned tasks. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.6. AREA 4—COMMUNICATIONS SELECTION AND USE

11.6.1. **Q.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required.

11.6.2. **Q-.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.6.3. **U.** Failed to select, monitor, and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to ensure completion of communications checks and/or report outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

11.7.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

11.7.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.7.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

11.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

11.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

11.9. AREA 7—AUTHENTICATION PROCEDURES (N/A)

11.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

11.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

11.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.10.3. **U.** Failed to employ R/T procedures, or contained errors or omissions that jeopardized mission/safety. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.11. AREA 9—COORDINATION

11.11.1. **Q.** Coordinated and reported tracks, mission changes, equipment discrepancies, and limitations IAW directives.

11.11.2. **Q-.** Coordinated and reported requirements, mission changes, equipment discrepancies, and limitations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.11.3. **U.** Failed to coordinate and report mission requirements, mission changes, equipment discrepancies, or limitations. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.12. AREA 10—GROUND SAFETY (CRITICAL)

11.12.1. **Q.** Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

11.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.13. AREA 11—CHECKLISTS

11.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

11.13.2. **Q-.** Utilized positional checklist to perform tasks. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.13.3. **U.** Failed to utilize positional checklist to perform tasks. Committed errors or omissions that could have jeopardized mission accomplishment/safety

11.14. AREA 12—SENSORS

11.14.1. **Q.** Recognized and reported degraded sensor performance. Demonstrated knowledge of radar locations and capabilities.

11.14.2. **Q-.** Recognized and reported degraded sensor performance and demonstrated knowledge of radar locations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.14.3. **U.** Failed to recognize and report degraded sensor performance. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety

11.15. AREA 13—WEATHER INFORMATION

11.15.1. **Q.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

11.15.2. **Q-.** Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.15.3. **U.** Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.16. AREA 14—RULES OF ENGAGEMENT (ROE)

11.16.1. **Q.** Understood/applied basic ROE with appropriate levels of authority IAW directives.

11.16.2. **Q-.** Understood/applied basic ROE with appropriate levels of authority. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.16.3. **U.** Failed to demonstrate the basic understanding/application of the ROE with appropriate levels of authority. Committed errors or omissions that could have jeopardized mission accomplishment/safety

11.17. AREA 15—AIR PICTURE (CRITICAL)

11.17.1. **Q.** Ensured tracks were detected, tracked, updated, and reported. Ensured track symbology was initiated IAW directives for valid tracks. A valid track is three consecutive returns. Assisted with peacetime procedural identification methods. Maintained current air picture and took actions to ensure an accurate and identifiable air picture IAW directives.

11.17.2. **U.** Failed to ensure tracks were detected, tracked, updated, or reported. Tracked symbology was not initiated IAW directives for valid tracks. Did not accurately assist with peacetime procedural identification methods. Actions were not taken to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

11.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

11.18.1. **Q.** Recognized the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Took actions to correlate source of EA.

11.18.2. **Q-.** Recognized and reported the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures were implemented. Took actions to correlate source of EA. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.18.3. **U.** Failed to recognize and report the presence of electronic/mechanical jamming/interference. Notification and reporting procedures were not implemented IAW directives. Actions were not taken to correlate source of EA. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

11.19.1. **Q.** Assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required, IAW directives. Monitored link operations and took action to ensure effective data exchange is achieved.

11.19.2. **Q-.** Assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Monitored link operations and took action to ensure effective data exchange is achieved. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.19.3. **U.** Failed to assist with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Did not monitor link operations and did not take action to ensure effective data exchange is achieved. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.20. AREA 18—EXPANSION PROCEDURES (CONUS ONLY)

11.20.1. **Q.** Performed expansion and expansion recovery procedures as required IAW directives.

11.20.2. **Q-.** Performed expansion and expansion recovery procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.20.3. **U.** Failed to perform expansion and expansion recovery procedures as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

11.21.1. **Q.** Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations IAW directives.

11.21.2. **Q-.** Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.21.3. **U.** Failed to recognize emergency aircraft situations, implement reporting procedures, monitor emergency aircraft actions, and conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.22. AREA 20—BATTLE MANAGEMENT N/A**11.23. AREA 21—MISSION EXECUTION (CRITICAL)**

11.23.1. **Q.** Executed the assigned mission IAW directives. Decisions resulted in mission accomplishment and resources were effectively used to achieve mission objectives.

11.23.2. **U.** Failed to execute the assigned mission IAW directives. Decisions jeopardized mission accomplishment and/or resources were ineffectively used to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES N/A**11.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING**

11.25.1. **Q.** Conducted changeover/debriefing IAW directives.

11.25.2. **Q-.** Conducted changeover/debriefing. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

11.25.3. **U.** Failed to conduct changeover/debriefing, or changeover/debriefing contained errors or omissions that jeopardized mission/safety. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

11.26. AREA 24—IDENTIFICATION/SAFE PASSAGE N/A**11.27. AREA 25—AIRCRAFT OPERATIONS N/A****11.28. AREA 26—SAFETY OF FLIGHT N/A****11.29. AREA 27—AIRSPACE MANAGEMENT/AIR TRAFFIC CONTROL (ATC) COORDINATION. N/A**

11.30. AREA 28—CONTINUUM OF CONTROL. N/A

11.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

11.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

11.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

11.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 12

IDENTIFICATION TECHNICIAN QUALIFICATION EVALUATION

12.1. General

12.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Identification Technician (IDT). Evaluation requirements are outlined in the table for IDT and Instructor Identification Technician (IIDT) positions.

12.1.2. The IDT must be evaluated during a live, virtual, constructive exercise (T-3). For the Hawaii Region Air Operations Center (HIRAOC), IDT evaluations may also be conducted during normal air defense operations so long as required items are appraised.

12.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all IDT duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 12.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	N/A
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	N/A
14	Rules of Engagement (ROE)	Critical
15	Air Picture	Critical
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	Critical
25	Aircraft Operations	N/A
26	Safety of Flight	N/A

27	Airspace Management/Air Traffic Control (ATC) Coordination	
28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

12.3. AREA 1—MISSION PLANNING

12.3.1. **Q.** Obtained/developed and coordinated an ID plan that met mission needs. Ensured all required materials were available and on position.

12.3.2. **Q-.** Obtained/developed and coordinated an ID plan that did not meet mission needs, but did not jeopardize mission accomplishment/safety. All required materials were not available and on position.

12.3.3. **U.** Failed to obtain/develop and coordinate an ID plan that met mission need, mission accomplishment Committed errors or omissions that could have jeopardized mission accomplishment/safety

12.4. AREA 2—BRIEFINGS

12.4.1. **Q.** Attended all required briefings/debriefings and extracted/provided all necessary information. Performed briefings/debriefings in an organized, logical sequence IAW applicable directives and ensured the crew was thoroughly briefed on all aspects of the identification mission.

12.4.2. **Q-.** Attended all required briefings/debriefings. Extracted/provided information or performed briefings/debriefings with errors or omissions that did not jeopardize mission accomplishment. Planned all areas necessary to conduct tasked mission(s) and conducted briefings/debriefings with errors or omissions that did not jeopardize mission accomplishment/safety.

12.4.3. **U.** Failed to attend required briefings/debriefings. Failed to extract/provide information or perform briefings/debriefing. Failed to plan all areas necessary to conduct tasked mission(s). Failed to conduct aircrew briefings/debriefings. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS

12.5.1. **Q.** Performed equipment set up and checkout to ensure operation was IAW applicable directives. Interpreted, initiated, updated data for computer displays, accomplished switch actions, and responded to alarms and alerts IAW applicable directives. Console operations and displays optimized situational awareness (SA).

12.5.2. **Q-.** Performed equipment set up, checkout, or status reporting with errors, omissions or delays that did not jeopardize mission accomplishment/safety. Interpreted, initiated, updated data for computer displays, accomplished switch actions, or responded to alarms and alerts with errors or omissions that did not jeopardize mission accomplishment/safety.

Omissions or errors in console operations and displays contributed to a lack of SA that did not jeopardize mission accomplishment/safety.

12.5.3. U. Failed to perform equipment set up, checkout, or status reporting without errors, omissions or delays. Failed to interpret, initiate, update data for computer displays, accomplish switch actions, or respond to alarms and alerts as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.6. AREA 4—COMMUNICATIONS SELECTION AND USE

12.6.1. Q. Conducted communications selection and operated equipment based on performance capabilities and mission tasking IAW applicable directives. Transmissions were concise with proper terminology. Communications selection and use optimized SA.

12.6.2. Q-. Conducted communications selection or operated equipment based on performance capabilities or mission tasking with errors or omissions that did not jeopardize mission accomplishment/safety. Transmissions contained excessive, extraneous matter, or employed nonstandard terminology.

12.6.3. U. Failed to conduct communications selection or operate equipment based on performance capabilities or mission tasking. Communications selection and use contributed to a lack of SA. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

12.7.1. Q. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

12.7.2. Q-. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

12.7.3. U. Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.8. AREA 6—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

12.8.1. Q. Used and controlled COMSEC IAW established procedures.

12.8.2. U. Failed to use and control COMSEC IAW established procedures.

12.9. AREA 7—AUTHENTICATION PROCEDURES N/A

12.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

12.10.1. Q. Employed R/T procedures IAW directives and local standard operating procedures.

12.10.2. Q-. Employed R/T procedures IAW directives and local standard operating procedures with errors or omissions that did not jeopardize mission accomplishment/safety.

12.10.3. U. Failed to employ R/T procedures IAW directives and local standard operating procedures. Improper R/T procedures caused confusion that could have reduced mission

effectiveness. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.11. AREA 9—COORDINATION

12.11.1. **Q.** Coordinated and reported all requirements, mission changes and provided accurate and complete information to all necessary internal positions and external agencies in IAW directives.

12.11.2. **Q-.** Coordinated and reported all requirements, mission changes and provided accurate and complete information to all necessary internal positions and external agencies with some errors that did not jeopardize mission accomplishment/safety.

12.11.3. **U.** Did not coordinate and report all requirements, mission changes. Failed to provide accurate and complete information to all necessary internal positions and external agencies. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.12. AREA 10—GROUND SAFETY (CRITICAL)

12.12.1. **Q.** Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

12.12.2. **U.** Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.13. AREA 11—CHECKLISTS

12.13.1. **Q.** Utilized positional checklist to perform tasks IAW directives.

12.13.2. **Q-.** Utilized positional checklist to perform tasks but omitted steps that did not impact effective mission accomplishment/safety.

12.13.3. **U.** Failed to utilize positional checklist to perform tasks. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.14. AREA 12—SENSORS

12.14.1. **Q.** Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities.

12.14.2. **Q-.** Recognized and reported degraded sensor performance. Had limited knowledge of theoretical radar configurations or capabilities.

12.14.3. **U.** Did not recognize degraded sensor performance. Unable to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.15. AREA 13—WEATHER INFORMATION N/A

12.16. AREA 14—RULES OF ENGAGEMENT (ROE) (CRITICAL)

12.16.1. **Q.** Implemented ROE procedures for peacetime, transition and wartime conditions as required. Recognized hostile/harassment acts, and accomplished safe passage procedures as required. Responded to ROE situation according to directives.

12.16.2. U. Failed to or incorrectly implemented ROE for peacetime, transition, and wartime conditions that could result in mission failure. Failed to recognize hostile/harassment acts, and accomplish safe passage procedures as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety

12.17. AREA 15—AIR PICTURE (CRITICAL)

12.17.1. Q. Maintained current air picture and took appropriate actions to ensure an accurate and identifiable air picture IAW directives.

12.17.2. U. Failed to maintain current air picture or take appropriate actions to ensure an accurate and identifiable air picture IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

12.18.1. Q. Recognized and reported the presence of electronic/mechanical jamming/interference and took actions to correct and protect IAW with directives.

12.18.2. Q-. Failed to recognize and report the presence of electronic/mechanical jamming/interference or take actions to correct and protect IAW with directives. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

12.18.3. U. Failed to recognize and report the presence of electronic/mechanical jamming/interference or take actions to correct and protect IAW with directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

12.19.1. Q. Assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required, IAW directives.

12.19.2. Q-. Assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

12.19.3. U. Failed to assist with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.20. AREA 18—EXPANSION PROCEDURES (CONUS ONLY)

12.20.1. Q. Supervised/controlled/assisted with expansion procedures as required IAW directives.

12.20.2. Q-. Supervised/controlled/assisted with expansion procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.20.3. U. Failed to understand supervise/control/assist with expansion procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety

12.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

12.21.1. Q. Identified emergency and hijack aircraft situations, accomplished notification procedures, and conducted PR operations IAW directives.

12.21.2. **Q-** Identified emergency and hijack aircraft situations, accomplished notification procedures, and conducted PR operations IAW directives. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

12.21.3. **U.** Failed to recognize emergency and hijack aircraft situations, accomplish notification procedures, or conduct PR procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.22. AREA 20—BATTLE MANAGEMENT

12.22.1. **Q.** Executed/assisted with SPINS/OPORDs/CONPLANs IAW Directives. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment.

12.22.2. **Q-** Executed/assisted with SPINS/OPORDs/CONPLANs IAW directives. Supervised/controlled/assisted with employment of resources within limits and capabilities of assigned equipment. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

12.22.3. **U.** Failed to execute/assist with SPINS/OPORDs/CONPLANs IAW directives. Failed to supervise/control/assist with employment of resources within limits of assigned equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.23. AREA 21—MISSION EXECUTION (CRITICAL)

12.23.1. **Q.** Executed the assigned mission and/or provided assistance IAW directives.

12.23.2. **U.** Failed to execute the assigned mission and/or provide assistance IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

12.24.1. **Q.** Reported and documented all required information on appropriate logs and/or forms IAW directives.

12.24.2. **Q-** Reported and documented required information on logs or forms. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

12.24.3. **U.** Failed to report or document required information on logs or forms. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

12.25.1. **Q.** Conducted thorough changeover/debriefing that addressed all areas of performance and passed all mission requirements and activities.

12.25.2. **Q-** Conducted a changeover/debrief. Committed errors or omissions that that did not jeopardize mission accomplishment/safety.

12.25.3. **U.** Failed to conduct a changeover/debrief. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.26. AREA 24—IDENTIFICATION (ID) AND SAFE PASSAGE PROCEDURES (CRITICAL)

12.26.1. **Q.** Accurately identified all air traffic in the assigned AO and employed safe passage procedures in a timely and efficient manner IAW directives. Accomplished or directed unknown rider/unknown cowboy procedures IAW applicable authenticators.

12.26.2. **U.** Failed to identify all air traffic in the assigned AO or employ safe passage procedures correctly IAW directives. Failed to accomplish or direct unknown rider/unknown cowboy procedures IAW applicable authenticators. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.27. AREA 25—AIRCRAFT OPERATIONS N/A

12.28. AREA 26—SAFETY OF FLIGHT N/A

12.29. AREA 27—AIRSPACE MANAGEMENT/ATC COORDINATION

12.29.1. **Q.** Effectively, concisely, and accurately communicated with ATC agencies to timely identify all tracks within the area of responsibility.

12.29.2. **Q-.** Effectively, concisely, and accurately communicated with ATC agencies to timely identify all tracks within the area of responsibility. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

12.29.3. **U.** Failed to communicate effectively with ATC agencies. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

12.30. AREA 28—CONTINUUM OF CONTROL N/A

12.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

12.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

12.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

12.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 13

INTERFACE CONTROL OFFICER/TECHNICIAN POSITIONAL QUALIFICATION EVALUATION ICO/T POSITIONAL QUALIFICATION EVALUATION

13.1. General

13.1.1. This chapter contains the criteria specifying the tasks required of a Qualified Interface Control Officer/Technician (ICO/T). Evaluation requirements are outlined in the table for ICO/T and Instructor Interface Control Officer/Technician (IICO/T) positions.

13.1.2. The ICO/T must be evaluated during a live, virtual, or constructive exercise as defined in AFI 13-1 STAN/EVAL Vol. 2 (T-3).

13.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all ICO/T duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each area (T-2). Critical areas are rated Q or U (T-2).

Table 13.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Utilization of Equipment and Interpretation of Displays	
4	Communication Selection and Use	
5	INFOSEC/OPSEC	
6	COMSEC	Critical
7	Authentication Procedures	
8	Radio/Telephone (R/T) procedures	
9	Coordination	
10	Ground Safety	Critical
11	Checklists	
12	Sensors	
13	Weather Information	
14	Rules of Engagement (ROE)	
15	Air Picture	Critical
16	Electronic Attack/Electronic Protection (EA/EP)	
17	External Command and Control Assets	
18	Expansion Procedures (CONUS)	
19	Aircraft Emergency/Personnel Recovery (PR) procedures	
20	Battle Management	
21	Mission Execution	Critical
22	Reporting/Documentation Procedures	
23	Positional Changeover/Debriefing	
24	Identification and Safe Passage Procedures	N/A
25	Aircraft Operations	N/A
26	Safety of Flight	N/A

27	Airspace Management/Air Traffic Control (ATC) Coordination	N/A
28	Continuum of Control	N/A
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
29	Instructional Ability	
30	Briefings/Critique	
31	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

13.3. AREA 1—MISSION PLANNING

13.3.1. **Q.** Conducted/performed/assisted with mission planning, accounted for known mission capabilities, requirements, limitations, and approved operating procedures IAW directives.

13.3.2. **Q-.** Conducted/performed/assisted with mission planning, accounted for known mission capabilities, requirements, limitations, and approved operating procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.3.3. **U.** Failed to conduct/perform/assist mission planning, account for known mission capabilities, requirements, limitations, and approved operating procedures IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.4. AREA 2—BRIEFINGS

13.4.1. **Q.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment/safety IAW directives.

13.4.2. **Q-.** Supervised, conducted and/or attended briefings and extracted/provided information consistent to mission accomplishment/safety IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.4.3. **U.** Failed to supervise, conduct and/or attend briefings and extract/provide information consistent to mission accomplishment/safety IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.5. AREA 3—UTILIZATION OF EQUIPMENT AND INTERPRETATION OF DISPLAYS (CRITICAL)

13.5.1. **Q.** Configured, manipulated, controlled, and interpreted displays. Updated/utilized mission, auxiliary and other equipment to accomplish assigned tasks IAW directives and reported outages. As appropriate, ensured subordinates comply with this requirement.

13.5.2. **Q-.** Configured, manipulated, controlled, and interpreted displays. Updated/utilized mission, auxiliary and other equipment to accomplish assigned tasks IAW directives and report outages. As appropriate, ensured subordinates comply with this requirement. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.5.3. **U.** Failed to configure, manipulate, control, and interpret displays. Failed to update/utilize mission, auxiliary and other equipment to accomplish assigned tasks IAW directives and report outages. Failed to, as appropriate, ensure subordinates comply with this

requirement. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.6. AREA 4—COMMUNICATION SELECTION AND USE

13.6.1. **Q.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required.

13.6.2. **Q-.** Selected, monitored, and operated communications equipment IAW system manuals, mission tasking, and directives. Ensured completion of communications checks and reported outages as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.6.3. **U.** Failed to select, monitor and operate communications equipment IAW system manuals, mission tasking, and directives. Failed to ensure completion of communications checks and reported outages as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.7. AREA 5—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

13.7.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

13.7.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.7.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.8. AREA 6—COMMUNICATION SECURITY (COMSEC) (CRITICAL)

13.8.1. **Q.** Used and controlled COMSEC IAW established procedures.

13.8.2. **U.** Failed to use and control COMSEC IAW established procedures.

13.9. AREA 7—AUTHENTICATION PROCEDURES

13.9.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

13.9.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

13.9.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

13.10. AREA 8—RADIO/TELEPHONE (R/T) PROCEDURES

13.10.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures. As appropriate, ensured subordinates comply with this requirement.

13.10.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. As appropriate, ensured subordinates comply with this requirement. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.10.3. U. Failed to employ R/T procedures IAW directives and local standard operating procedures. Failed to ensure subordinates complied with this requirement, as appropriate. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.11. AREA 9—COORDINATION

13.11.1. Q. Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives. As appropriate, ensured subordinates comply with this requirement.

13.11.2. Q-. Coordinated and reported all requirements, mission changes, equipment discrepancies, and limitations IAW directives. As appropriate, ensured subordinates comply with this requirement. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.11.3. U. Failed to coordinate and report all requirements, mission changes, equipment discrepancies, and limitations IAW directives. Failed to, as appropriate, ensure subordinates comply with this requirement. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.12. AREA 10—GROUND SAFETY (CRITICAL)

13.12.1. Q. Knew or executed proper evacuation procedures. Knew the location and is familiar with the utilization of ground safety equipment.

13.12.2. U. Failed to know or execute proper evacuation procedures. Did not know the location and was not familiar with the utilization of ground safety equipment. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.13. AREA 11—CHECKLISTS

13.13.1. Q. Complied with positional checklist to perform tasks IAW directives.

13.13.2. Q-. Complied with positional checklist to perform tasks IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.13.3. U. Failed to comply with positional checklist to perform tasks IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.14. AREA 12—SENSORS

13.14.1. Q. Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities.

13.14.2. Q-. Recognized and reported degraded sensor performance. Demonstrated knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.14.3. U. Failed to recognize and report degraded sensor performance. Failed to demonstrate knowledge of theoretical radar configurations and capabilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.15. AREA 13—WEATHER INFORMATION

13.15.1. Q. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives.

13.15.2. Q-. Interpreted and disseminated weather information. Updated and provided notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.15.3. U. Failed to interpret and disseminate weather information. Failed to update or provide notification of weather changes affecting mission aircraft IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.16. AREA 14—RULES OF ENGAGEMENT (ROE)

13.16.1. Q. Understood basic knowledge of the ROE with appropriate levels of authority IAW directives.

13.16.2. Q-. Demonstrated basic knowledge of the ROE with appropriate levels of authority. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.16.3. U. Failed to demonstrate the basic knowledge of the ROE with appropriate levels of authority.

13.17. AREA 15—AIR PICTURE (CRITICAL)

13.17.1. Q. Maintained current air picture and took actions to ensure an accurate and identifiable air picture IAW directives. Ensured tracks were detected, tracked, updated, and reported. Monitored link operations and took action to ensure effective data exchange is achieved.

13.17.2. U. Failed to maintain current air picture and take actions to ensure an accurate and identifiable air picture IAW directives. Tracks were not detected, tracked, updated, and reported. Link operations were not monitored to ensure effective data exchange. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.18. AREA 16—ELECTRONIC ATTACK/ELECTRONIC PROTECTION (EA/EP)

13.18.1. Q. Recognized and reported the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures are implemented. Took actions to correlate source of EA and applies EP IAW directives.

13.18.2. Q-. Recognized and reported the presence of electronic/mechanical jamming/interference. Ensured notification and reporting procedures are implemented. Took actions to correlate source of EA and applies EP. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.18.3. U. Failed to recognize and report the presence of electronic/mechanical jamming/interference. Notification and reporting procedures were not implemented IAW directives. Actions were not taken to correlate source of EA or EP as appropriate. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.19. AREA 17—EXTERNAL COMMAND AND CONTROL ASSETS

13.19.1. Q. Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required, IAW directives.

13.19.2. **Q-** Directed/controlled/supervised/assisted with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.19.3. **U.** Failed to direct/control/supervise/assist with the employment of assigned C2/sensor assets, to include voicetell accomplishment as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.20. AREA 18—EXPANSION PROCEDURES (CONUS ONLY)

13.20.1. **Q.** Supervised/controlled/assisted with expansion and expansion recovery procedures as required IAW directives.

13.20.2. **Q-** Supervised/controlled/assisted with expansion and expansion recovery procedures as required. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.20.3. **U.** Failed to supervise/control/assist with expansion and expansion recovery procedures as required. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.21. AREA 19—AIRCRAFT EMERGENCY/PERSONNEL RECOVERY (PR) PROCEDURES

13.21.1. **Q.** Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations IAW directives.

13.21.2. **Q-** Recognized emergency aircraft situations, implemented reporting procedures, monitored emergency aircraft actions, and conducted PR operations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.21.3. **U.** Failed to recognize emergency aircraft situations, implement reporting procedures, monitor emergency aircraft actions, and conduct PR operations IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.22. AREA 20—BATTLE MANAGEMENT

13.22.1. **Q.** Executed/assisted with SPINS,OPORDs/CONPLANs. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment IAW directives.

13.22.2. **Q-** Executed/assisted with SPINS,OPORDs/CONPLANs. Supervised/controlled/assisted with employment of resources within the limitations and capabilities of assigned equipment. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.22.3. **U.** Failed to execute/assist with SPINS,OPORDs/CONPLANs. Did not supervise/control/assist with employment of resources within the limitations and capabilities of assigned equipment with IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety

13.23. AREA 21—MISSION EXECUTION (CRITICAL)

13.23.1. **Q.** Executed the assigned mission IAW directives. Decisions resulted in mission accomplishment/safety and resources were effectively used to achieve mission objectives.

13.23.2. U. Failed to execute the assigned mission IAW directives. Decisions may have jeopardized mission accomplishment and resources were ineffectively used to achieve mission objectives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.24. AREA 22—REPORTING/DOCUMENTATION PROCEDURES

13.24.1. Q. Reported and documented all required items to include radar outages and EA IAW directives.

13.24.2. Q-. Reported and documented all required items to include radar outages and EA IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.24.3. U. Failed to report and document all required items to include radar outages and EA IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.25. AREA 23—POSITIONAL CHANGEOVER/DEBRIEFING

13.25.1. Q. Conducted changeover/debriefing IAW directives.

13.25.2. Q-. Conducted changeover/debriefing. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

13.25.3. U. Failed to conduct changeover/debriefing, or changeover/debriefing contained errors or omissions that jeopardized mission/safety. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

13.26. AREA 24—IDENTIFICATION/SAFE PASSAGE N/A

13.27. AREA 25—AIRCRAFT OPERATIONS N/A

13.28. AREA 26—SAFETY OF FLIGHT N/A

13.29. AREA 27—AIRSPACE MANAGEMENT/ATC COORDINATION N/A

13.30. AREA 28—CONTINUUM OF CONTROL N/A

13.31. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in Paragraphs 2.3-5 of this instruction.

13.31.1. **AREA 29—INSTRUCTIONAL ABILITY**

13.31.2. **AREA 30—BRIEFINGS/CRITIQUE**

13.31.3. **AREA 31—DEMONSTRATION AND PERFORMANCE**

Chapter 14

JAPANESE AIR SELF DEFENSE FORCES (JASDF) BASE AIR DEFENSE GROUND ENVIRONMENT SYSTEM MISSION CREW COMMANDER/TECHNICIAN QUALIFICATION EVALUATION

14.1. General:

14.1.1. This chapter contains the criteria specifying the tasks required of a Basic Qualified (BQ) MCC/T and is applicable to 13BXXs and 1C5X1s assigned to the 610 Air Control Flight (ACF) and 623ACF. Both the 610ACF and 623ACF will supplement this chapter to encompass those responsibilities required during Tactical Control Operations Team (TCOT) operations in ACFOI 13-1 TCOT Crew Employment Standards (T-3). The MCC and MCCT qualifications will be designated as BMC certified positions for the based units (T-3).

14.1.2. The MCC/T evaluation must include performance during daily flying activity (T-3). Scenarios for non-flying activities should be used to cover areas not normally encountered during daily activity.

14.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all MCC/T duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 14.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Console Set-Up and Operation	
3	C2 Organization and Responsibilities	
4	Unit Operations Structure and Function	
5	Crew Briefing	
6	Operational Messages and Reporting	
7	Communications Systems	
8	Radar Systems	
9	INFOSEC/OPSEC	
10	COMSEC	Critical
11	Authentication Procedures	
12	Airspace Control/Management	
13	Alerts and Warnings	Critical
14	Air Defense Operations	Critical
15	Positional Aids and Displays	
16	Positional Changeover Brief	
17	Crew Debriefing	
18	Documentation	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
19	Instructional Ability	
20	Briefings/Critique	

21	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

14.3. AREA 1—MISSION PLANNING

14.3.1. **Q.** Directed mission crew planning efforts. Determined mission tasking, ROE, chain of command, and battle plans from mission planning documents. Obtained equipment status and determined impact on operational mission. Supervised crew mission planning efforts. Read and initialed all items in the Operations Information File (OIF) and/or read files.

14.3.2. **Q-.** Directed mission crew planning efforts. Determined mission tasking, ROE, chain of command, and battle plans from mission planning documents. Obtained equipment status and determined impact on operational mission. Supervised crew mission planning efforts. Read and initialed all items in the OIF and/or read files. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.3.3. **U.** Failed to direct mission crew planning efforts. Failed to determine mission tasking, ROE, chain of command, and/or battle plans from mission tasking documents. Failed to obtain equipment status and/or determine impact of equipment status on operational mission. Failed to supervise crew mission planning efforts. Failed to read and/or initial all items in the OIF and/or read files. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.4. AREA 2—CONSOLE SET-UP AND OPERATION

14.4.1. **Q.** Set-up and operated the operations console IAW unit checklists. Located, interpreted, initiated, and explained console controls and indicators. Used switch actions to customize the console for optimal SA. Effectively used positional aids.

14.4.2. **Q-.** Set up and operated the console IAW unit checklists. Located, interpreted, initiated, and explained console controls and indicators. Used switch actions to customize the console for optimal SA. Used positional aids. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.4.3. **U.** Failed to set up and operate the console IAW unit checklists. Failed to locate, interpret, initiate, and explain console controls and indicators. Failed to use switch actions to customize the console for optimal SA. Failed to use positional aids. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.5. AREA 3—C2 ORGANIZATION AND RESPONSIBILITIES

14.5.1. **Q.** Demonstrated knowledge of the theater C2 structure/responsibilities.

14.5.2. **Q-.** Demonstrated knowledge of the theater C2 structure/responsibilities but committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.5.3. **U.** Failed to demonstrate knowledge of the theater C2 structure/responsibilities. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.6. AREA 4—UNIT OPERATIONS STRUCTURE AND FUNCTION

14.6.1. **Q.** Knowledgeable of chain of command and unit organizational/structure. Described all major operations functions.

14.6.2. **Q-.** Knowledgeable of chain of command and unit organizational/structure. Described major operations functions. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.6.3. **U.** Failed to demonstrate adequate knowledge of chain of command and unit/or organizational structure. Unable to describe major operations functions. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.7. AREA 5—CREW BRIEFING

14.7.1. **Q.** Conducted the crew briefing. Briefed overall mission crew objectives. Organized briefing in a logical sequence IAW applicable directives. Ensured mission crew was briefed on all required aspects of the mission.

14.7.2. **Q-.** Conducted the crew briefing. Briefed overall mission crew objectives. Organized briefing in a logical sequence IAW applicable directives. Ensured mission crew was briefed on all required aspects of the mission. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.7.3. **U.** Failed to conduct the crew briefing. Failed to brief overall mission crew objectives. Failed to organize the briefing into a logical sequence as required by applicable directives. Failed to ensure mission crew was briefed on all required aspects of the mission. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.8. AREA 6—OPERATIONAL MESSAGES AND REPORTING

14.8.1. **Q.** Demonstrated knowledge and/or effective application of operational messages and reported. Effectively prepared required documented and accomplished verbal reported IAW directives.

14.8.2. **Q-.** Demonstrated knowledge and/or application of operational messages and reported. Prepared required documented and accomplished verbal reported IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.8.3. **U.** Failed to demonstrate adequate knowledge and/or application of operational messages/ reported. Unable to effectively prepare and route required documented and accomplish verbal reported. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.9. AREA 7—COMMUNICATIONS SYSTEMS

14.9.1. **Q.** Demonstrated knowledge and/or effective application of dedicated communications/computer systems and outage procedures IAW directives.

14.9.2. **Q-.** Demonstrated knowledge and/or application of dedicated communications/computer systems and outage procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.9.3. **U.** Failed to demonstrate adequate knowledge or effective application of dedicated communications/computer systems. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.10. AREA 8—RADAR SYSTEMS

14.10.1. **Q.** Demonstrated knowledge of theater radar systems to include areas of, coverage/limitations and preventive maintenance procedures IAW directives. Knowledgeable of Theater Ballistic Missile (TBM) threats and defense mechanisms.

14.10.2. **Q-.** Demonstrated knowledge of theater radar systems to include areas of, coverage/limitations and preventive maintenance procedures IAW directives. Knowledgeable of TBM threats and defense mechanisms. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.10.3. **U.** Failed to demonstrate adequate knowledge of radar/TBM systems. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.11. AREA 9—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

14.11.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

14.11.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.11.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.12. AREA 10—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

14.12.1. **Q.** Used and controlled COMSEC IAW established procedures.

14.12.2. **U.** Failed to use and control COMSEC IAW established procedures.

14.13. AREA 11—AUTHENTICATION PROCEDURES

14.13.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

14.13.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

14.13.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

14.14. AREA 12—AIRSPACE CONTROL/MANAGEMENT

14.14.1. **Q.** Demonstrated adequate knowledge and effective application of airspace control and management procedures IAW directives.

14.14.2. **Q-.** Demonstrated adequate knowledge and effective application of airspace control and management procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.14.3. **U.** Failed to demonstrate adequate knowledge and effective application of airspace control and management procedures IAW directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

14.15. AREA 13—ALERTS AND WARNINGS (CRITICAL)

14.15.1. Q. Defined and/or described actions associated with alerts, warnings, and readiness states.

14.15.2. U. Failed to define and/or describe actions associated with alerts, warnings, and readiness states. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

14.16. AREA 14—AIR DEFENSE OPERATIONS (CRITICAL)

14.16.1. Q. Executed the assigned mission in a timely, efficient manner during live or simulated operations with a complete mission crew. Coordinated with internal/external agencies and disseminated air defense warnings and other required information as required. Provided guidance to the mission crew on employment of resources, ROE/ ID/Airspace Control Order (ACO) procedures. Monitored detection, tracking and ID of air traffic within the area of responsibility (AOR). Assessed ROE and ID procedures based on changing alert conditions. Supervised the declaration of targets as hostile based on hostile intent/hostile act criteria and level of authority. Ensured engagement tactics were commensurate with threat assessment and ROE. Ensured compliance with ACO procedures. Directed employment of resources to support execution of the ACP/Integrated Tasking Order (ITO)/ATO. Supervised allocation of resources to counter the threat and/or accomplish mission objectives. Ensured mission crew compliance with SPINS and other guidance. Demonstrated adequate knowledge of exercises (live/virtual/constructive) conducted in theater.

14.16.2. U. Failed to execute the assigned mission in a timely, efficient manner during live or simulated operations with a complete mission crew. Failed to coordinate with external agencies and disseminate air defense warnings as required. Failed to provide guidance to the mission crew on employment of resources, ROE/ID/ACO procedures. Failed to monitor detection, tracking and ID of air traffic within the AOR. Failed to assess ROE and ID procedures based on changing alert conditions. Failed to supervise the declaration of targets as hostile based on hostile intent/hostile act criteria and level of authority. Failed to ensure engagement tactics were commensurate with threat assessment and ROE. Failed to ensure compliance with ACO procedures and direct employment of resources to support execution of the ACP/ITO/ATO. Failed to supervise allocation of resources to counter the threat and/or accomplish mission objectives. Failed to ensure mission crew compliance with SPINS and other guidance. Failed to demonstrate adequate knowledge of exercises (live/virtual/constructive) conducted in theater. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.17. AREA 15—POSITIONAL AIDS AND DISPLAYS

14.17.1. Q. Effectively used positional aids and displays during , search and rescue, and Medical Evacuation (MEDEVAC) operations.

14.17.2. Q-. Used positional aids and displays during , search and rescue, and MEDEVAC operations. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.17.3. U. Failed to use positional aids and displays during , search and rescue, and MEDEVAC operations. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.18. AREA 16—POSITIONAL CHANGEOVER BRIEF

14.18.1. Q. Briefed the relieving MCC on current operational situation before departing position. Conducted positional changeover briefing IAW checklist.

14.18.2. Q-. Briefed the relieving MCC on current operational situation before departing position. Conducted positional changeover briefing IAW checklist. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.18.3. U. Failed to brief the relieving MCC on current operational situation before departing position. Failed to conduct positional changeover briefing. Failed to follow positional changeover briefing checklist. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.19. AREA 17—CREW DEBRIEFING

14.19.1. Q. Conducted the crew debriefing. Reconstructed operational mission events. Determined mission crew accomplishments relative to briefed mission objectives. Summarized lessons learned.

14.19.2. Q-. Conducted the crew debriefing. Reconstructed operational mission events. Determined mission crew accomplishments relative to briefed mission objectives. Summarized lessons learned. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.19.3. U. Failed to conduct the crew debriefing. Failed to reconstruct operational mission events. Failed to determine mission crew accomplishments relative to briefed mission objectives. Failed to summarize lessons learned. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.20. AREA 18—DOCUMENTATION

14.20.1. Q. Used/submitted unit operational logs and forms at the end of the shift. Ensured documentation of lessons learned.

14.20.2. Q-. Used/submitted unit operational logs and forms at the end of the shift. Ensured documentation of lessons learned. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

14.20.3. U. Failed to used/submit unit operational logs and forms at the end of the shift. Failed to ensure documentation of lessons learned. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

14.21. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

14.21.1. **AREA 19—INSTRUCTIONAL ABILITY**

14.21.2. **AREA 20—BRIEFINGS/CRITIQUE**

14.21.3. **AREA 21—DEMONSTRATION AND PERFORMANCE**

Chapter 15

JAPANESE AIR SELF DEFENSE FORCES (JASDF) BASE AIR DEFENSE GROUND ENVIRONMENT SYSTEM SENIOR DIRECTOR/SENIOR DIRECTOR TECH QUALIFICATION EVALUATION

15.1. General

15.1.1. This chapter contains the criteria specifying the tasks required of a BQ SD/ SDT and is applicable to 13BXX/1C5X1s assigned to the 610ACF and 623ACF. Both the 610ACF and 623ACF will supplement this chapter to encompass those responsibilities required during TCOT operations in ACFOI 13-1 TCOT Crew Employment Standards (T-3).

15.1.2. The SD/SDT evaluation must include performance during daily flying activity that supports evaluation objectives (T-3). Scenarios for non-flying activities should be used to cover areas not normally encountered during daily activity. The SD/SDT must supervise a minimum of two control teams during the evaluation (T-3). Functional tasks common to weapons and SD may be evaluated only once and credited to both evaluations.

15.1.3. Functional tasks common to both WD/T and SD/T may be evaluated only once and credited to both evaluations. The differences between the SD and SDT evaluations are primarily in scope of responsibilities and the expectation that the SDT completes the requirements by assisting the SD.

15.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all SD/SDT duties safely and effectively IAW technical orders and operational directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 15.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefings	
3	Documentation	
4	Communications Systems	
5	Console Set-Up and Operation	
6	Internal/External Coordination	
7	Local Orientation (SDT only)	
8	Air Defense Operations (SD only)	Critical
9	Aircraft Identification (SDT only)	
10	Flight Safety	Critical
11	Daily Flying Operations	
12	Air-to-Air Missions	
13	Aerial Refueling Missions	
14	Airspace Management	Critical
15	Radio/Telephone (R/T) Procedures	
16	INFOSEC/OPSEC	

17	COMSEC	Critical
18	Authentication Procedures	
19	Aircraft Emergency Procedures	Critical
20	Weather Inputs	
21	Positional Changeover Brief	
22	Aircrew Debrief	
23	Weapons Debrief (SD Only)	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
24	Instructional Ability	
25	Briefings/Critique	
26	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

15.3. AREA 1—MISSION PLANNING

15.3.1. **Q.** Led/assisted weapons team mission planning efforts. Checked all factors applicable to the mission (e.g., LOAs, SPINS, ROE, ATO/ITO, lessons learned, WD training requirements). Assigned mission planning tasks to WDs.

15.3.2. **Q-.** Led/assisted weapons team mission planning efforts. Checked all factors applicable to the mission (e.g., LOAs, SPINS, ROE, ATO/ITO, lessons learned, WD training requirements). Assigned mission planning tasks to WDs. Assigned mission planning tasks to WDs. Committed errors or omissions that did not adversely affect mission accomplishment.

15.3.3. **U.** Failed to lead/assist weapons team mission planning efforts. Failed to check all factors applicable to the mission. Failed to assign mission planning tasks to WDs. Committed errors or omissions that could have jeopardized mission accomplishment.

15.4. AREA 2—BRIEFINGS

15.4.1. **Q.** Conducted the weapons portion of the crew briefing. Conducted briefing in an organized and logical sequence IAW applicable directives. Provided all required information. Ensured the weapons team was briefed on all aspects of the weapons mission. Participated in and extracted pertinent information from a briefing with the aircrew IAW AFI 11-214.

15.4.2. **Q-.** Conducted the weapons portion of the crew briefing. Conducted briefing in an organized and logical sequence IAW applicable directives. Provided all required information. Ensured the weapons team was briefed on all aspects of the weapons mission. Participated in and extracted pertinent information from a briefing with the aircrew IAW AFI 11-214. Committed errors or omissions that did not adversely affect mission accomplishment.

15.4.3. **U.** Failed to conduct the weapons portion of the crew briefing. Failed to provide required information. Failed to ensure the weapons team was briefed on all aspects of the weapons mission. Failed to participate in and/or extract pertinent information from a briefing with the aircrew as required by AFI 11-214. Committed errors or omissions that could have jeopardized mission accomplishment

15.5. AREA 3—DOCUMENTATION

15.5.1. **Q.** Completed required forms and logs IAW local directives. Read and initialed for all items in the read files as required.

15.5.2. **Q-.** Completed required forms and logs IAW local directives. Read and initialed for all items in the read files as required. Committed errors or omissions that did not affect mission accomplishment.

15.5.3. **U.** Failed to complete required forms and logs IAW local directives. Failed to read and/or initial all items in the read files. Committed errors or omissions that could have jeopardized mission accomplishment.

15.6. AREA 4—COMMUNICATIONS SYSTEMS

15.6.1. **Q.** Demonstrated knowledge and/or effective application of dedicated communications/computer systems and outage procedures IAW directives.

15.6.2. **Q-.** Demonstrated knowledge and/or application of dedicated communications/computer systems and outage procedures IAW directives. Committed errors or omissions that did not adversely affect mission accomplishment.

15.6.3. **U.** Failed to demonstrate adequate knowledge or effective application of dedicated communications/computer systems. Committed errors or omissions that could have jeopardized mission accomplishment.

15.7. AREA 5—CONSOLE SET-UP AND OPERATION

15.7.1. **Q.** Set up and operated the operations console IAW unit checklists. Located/interpreted/initiated and explained console controls and indicators. Used switch actions to customize the console for optimal SA. Effectively used positional aids.

15.7.2. **Q-.** Set up and operated the console IAW unit checklists. Located/interpreted/initiated and explained console controls and indicators. Used switch actions to customize the console for optimal SA. Used positional aids. Committed errors or omissions that did not adversely affect mission accomplishment.

15.7.3. **U.** Failed to set up and operate the console IAW unit checklists. Failed to locate/interpret/initiate and explain console controls and indicators. Failed to use switch actions to customize the console for optimal SA. Failed to use positional aids. Committed errors or omissions that could have jeopardized mission accomplishment.

15.8. AREA 6—INTERNAL/EXTERNAL COORDINATION

15.8.1. **Q.** Coordinated and reported all requirements, mission changes, equipment discrepancies and limitations to lateral units/Higher Headquarters (HHQ) IAW directives. Employed established coordination procedures with airborne assets in theater.

15.8.2. **Q-.** Coordinated and reported all requirements, mission changes, equipment discrepancies and limitations to lateral units/HHQ IAW directives. Employed established coordination procedures with airborne assets in theater. Committed errors or omissions that did not adversely affect mission accomplishment.

15.8.3. **U.** Failed to coordinate and report all requirements, mission changes, equipment discrepancies and limitations to lateral units/HHQ IAW directives. Failed to employ

established coordination procedures with airborne assets in theater. Committed errors or omissions that could have jeopardized mission accomplishment.

15.9. AREA 7—LOCAL ORIENTATION (SDT ONLY)

15.9.1. **Q.** Demonstrated knowledge of local procedures, airspace structure, and geographical fixes.

15.9.2. **Q-.** Demonstrated knowledge of local procedures, airspace structure, and geographical fixes. Committed errors or omissions which did not adversely impact mission accomplishment.

15.9.3. **U.** Failed to demonstrate knowledge of local procedures, airspace structure, and geographical fixes. Committed errors or omissions that could have jeopardized mission accomplishment.

15.10. AREA 8—AIR DEFENSE OPERATIONS (CRITICAL) (SD ONLY)

15.10.1. **Q.** Committed air defense weapons systems to counter the threat IAW theater ROE during a live, virtual, or constructive exercise manned with a complete weapons crew. Coordinated with one or more lateral or HHQ units as required. Scrambled interceptors and coordinated airborne orders as required. Maintained a high degree of SA and directed weapons team during transition to degraded operations levels and during changing alert conditions. Recommended threat mode changes to the MCC as necessary.

15.10.2. **U.** Failed to commit air defense weapons systems to counter the threat IAW theater ROE during a live, virtual, or constructive exercise manned with a complete weapons crew. Failed coordinate with lateral or HHQ units as required. Failed to comply with theater ROE. Failed to scramble interceptors and/or coordinate airborne orders as required. Failed maintain SA. Failed to direct the weapons team during transition to degraded operations and during changing alert conditions. Failed to recommend threat mode changes to the MCC as necessary. Committed errors or omissions that could have jeopardized mission accomplishment.

15.11. AREA 9—AIRCRAFT IDENTIFICATION (SDT ONLY)

15.11.1. **Q.** Assisted the WD in identifying assigned aircraft using pilot reported position, IFF/SIF returns or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar or IFF/SIF displays.

15.11.2. **Q-.** Assisted the WD in identifying assigned aircraft using pilot reported position, IFF/SIF returns or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar or IFF/SIF displays. Committed errors or omissions which did not adversely impact mission accomplishment.

15.11.3. **U.** Failed to assist the WD in identifying assigned aircraft using pilot reported position, IFF/SIF returns or pilot maneuvering. Failed to accomplish identification after aircraft radio check-in using radar or IFF/SIF displays. Committed errors or omissions that could have jeopardized mission accomplishment.

15.12. AREA 10—FLIGHT SAFETY (CRITICAL)

15.12.1. **Q.** Ensured safety of flight for mission aircraft without error. Ensured appropriate weapons safety checks were accomplished as required. Ensured safe vertical and horizontal

separation of mission aircraft. Ensured 10 mile calls were provided as required. Was aware of safety factors and complied with all rules for the safe control of aircraft. Monitored WDs and coordinated to prevent unsafe acts by controlled aircraft.

15.12.2. U. Failed to ensure safety of flight for mission aircraft. Failed to ensure appropriate weapons safety checks were accomplished as required. Failed to ensure safe vertical and horizontal separation of mission aircraft. Failed to ensure 10 mile calls were provided as required. Was not aware of safety factors. Did not comply with rules for the safe control of aircraft. Failed to monitor WDs and coordinate to prevent unsafe acts by controlled aircraft. Committed errors or omissions that jeopardized flight safety and/or mission accomplishment.

15.13. AREA 11—DAILY FLYING OPERATIONS

15.13.1. Q. Effectively managed the local flying environment. Supervised WDs conducting weapons control missions. Supervised employment of weapons resources. Ensured that the weapons team had appropriate radios, sensors, airspace, etc. to control. Ensured weapons team controlled assigned missions to the level requested and/or followed the continuum of control. Ensured WDs passed threat/situation information to controlled aircraft in a timely manner. Ensured all WDs were aware of existing and forecasted weather conditions. Supervised employment of weapons resources. Coordinated combat air patrol (CAP) and hand-over/recovery points. Effectively scheduled weapons teams to control all missions. Demonstrated ability to execute the Pre-Integrated Tasking Order.

15.13.2. Q-. Managed the local flying environment. Supervised WDs conducting weapons control missions. Supervised employment of weapons resources. Ensured that the weapons team had appropriate radios, sensors, airspace, etc. to control. Ensured weapons team controlled assigned missions to the level requested and/or followed the continuum of control. Ensured WDs passed threat/situation information to controlled aircraft in a timely manner. Ensured all WDs were aware of existing and forecasted weather conditions. Supervised employment of weapons resources. Coordinated CAP and hand-over/recovery points. Scheduled weapons teams to control all missions. Demonstrated ability to execute the Pre-Integrated Tasking Order. Committed errors or omissions that did not adversely affect mission accomplishment.

15.13.3. U. Failed to supervise WDs conducting weapons control missions. Failed to supervise the employment of weapons resources. Failed to ensure weapons team had appropriate radios, sensors, airspace, etc. to control. Failed to ensure weapons teams' controlled assigned missions to the level requested. Failed to ensure that WDs followed the continuum of control. Failed to ensure WDs passed threat/situation information to controlled aircraft in a timely manner. Failed to supervise the employment of weapons resources. Failed to coordinate CAP and/or hand-over/recovery points. Failed to demonstrate ability to execute the Pre-Integrated Tasking Order. Failed to effectively schedule weapons teams to control all missions. Committed errors or omissions that could have jeopardized mission accomplishment.

15.14. AREA 12—AIR-TO-AIR MISSIONS

15.14.1. Q. Directed air-to-air missions as required. Conducted a minimum 2vX air-to-air mission (ACT/DACT). Provided control for CAP, sweep or force protection that effectively

defended assets and/or accomplished the mission. Provided threat warnings to all factor groups. Committed aircraft to a tactical objective IAW mission objectives. Provided amplifying information on specific groups, including formations and maneuvers. Provided quality control (QC) of group targeting and follow-on targeting. Provided vectoring assistance as required for rejoins and egress. Provided bearing and range information accurate to within 5 degrees and 2 nautical miles (nm). Maintained SA on mission aircraft and the tactical situation.

15.14.2. Q-. Directed air-to-air missions as required. Conducted a minimum 2vX air-to-air mission (ACT/DACT). Provided control for CAP, sweep or force protection that effectively defended assets and/or accomplished the mission. Provided threat warnings to all factor groups. Committed aircraft to a tactical objective IAW mission objectives. Provided amplifying information on specific groups, including formations and maneuvers. Provided quality control (QC) of group targeting and follow-on targeting. Provided vectoring assistance as required for rejoins and egress. Provided bearing and range information accurate to within 5 degrees and 2 nm. Maintained SA on mission aircraft and the tactical situation. Committed errors or omissions that did not adversely affect mission accomplishment.

15.14.3. U. Failed to direct air-to-air missions as required. Failed to provide control for CAP, sweep, or force protection that effectively defended assets and/or accomplished the mission. Failed to provide threat warning to all factor groups. Failed to commit aircraft to a tactical objective as required by mission directives. Failed to provide amplifying information on specific groups, including formations or maneuvers. Failed to provide QC of group targeting and follow-on targeting. Did not provide vectoring assistance as required for rejoins and egress. Failed to provide bearing and range information accurate to within 5 degrees and 2 nm. Failed to maintain SA on mission aircraft and/or the tactical situation. Committed errors or omissions that could have jeopardized flight safety/mission accomplishment.

15.15. AREA 13—AERIAL REFUELING MISSIONS

15.15.1. Q. Directed air refueling missions consistent with the continuum of control. Checked in tankers and receivers IAW checklists. Ensured altimeter settings were passed to all players. Ensured receivers were weapons safe before rendezvous. Managed aerial refueling assets. Prioritized refueling activity and placed receivers in a position to accomplish mission objectives. Ensured guidance is provided to all aircraft, including close control vectors and direction of turn, altitudes, and speeds as required, and adjusted commands as necessary to ensure a timely and successful rendezvous. Obtained and disseminated post-refueling offload information as required. Maintained SA.

15.15.2. Q-. Directed air refueling missions consistent with the continuum of control. Checked in tankers and receivers IAW checklists. Ensured altimeter settings were passed to all players. Ensured receivers were weapons safe before rendezvous. Managed aerial refueling assets. Prioritized refueling activity and placed receivers in a position to accomplish mission objectives. Ensured guidance is provided to all aircraft, including close control vectors and direction of turn, altitudes, and speeds as required, and adjusted commands as necessary to ensure a timely and successful rendezvous. Obtained and

disseminated post- refueling offload information as required. Maintained SA. Committed errors or omissions that did not adversely affect mission accomplishment.

15.15.3. U. Failed to direct air refueling missions consistent with the continuum of control. Failed to check tankers and receivers in as required by checklists. Failed to pass altimeter settings to participants or ensure receivers were weapons safe before rendezvous. Failed to manage aerial refueling assets. Failed to prioritize refueling activity. Failed to place receivers in a position to accomplish mission objectives. Failed to conduct point parallel and/or receiver turn on rendezvous. Failed to maintain SA. Committed errors or omissions that could have jeopardized flight safety/mission accomplishment.

15.16. AREA 14—AIRSPACE MANAGEMENT (CRITICAL)

15.16.1. Q. Complied with airspace management requirements and restrictions IAW procedures. Initiated airspace requests. Verified airspace restrictions and limitations IAW applicable directives. Ensured all efforts were made to keep controlled aircraft inside the lateral and vertical confines of the airspace in a timely manner.

15.16.2. U. Failed to comply with airspace management requirements and restrictions IAW procedures. Failed to initiate airspace requests. Did not verify airspace restrictions and limitations IAW applicable directives. Failed to ensure all efforts were made to keep controlled aircraft inside the lateral and vertical confines of the airspace in a timely manner. Committed errors or omissions that could have jeopardized flight safety/mission accomplishment.

15.17. AREA 15—RADIO/TELEPHONE (R/T) PROCEDURES

15.17.1. Q. Communicated with aircrews using proper R/T and brevity code word procedures IAW AFTTP 3-1, applicable joint and combined communications procedures, and established standards.

15.17.2. Q-. Communicated with aircrews using proper R/T and brevity code word procedures IAW AFTTP 3-1, applicable joint and combined communications procedures, and established standards. Committed errors or omissions that did not adversely affect mission accomplishment.

15.17.3. U. Failed to communicate with aircrews using proper R/T and or brevity code word procedures. Failed to comply with AFTTP 3-1, applicable joint and combined communications procedures, and established standards. Committed errors or omissions that could have jeopardized mission accomplishment.

15.18. AREA 16—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

15.18.1. Q. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

15.18.2. Q-. Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

15.18.3. U. Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

15.19. AREA 17—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

15.19.1. Q. Used and controlled COMSEC IAW established procedures.

15.19.2. U. Failed to use and control COMSEC IAW established procedures.

15.20. AREA 18—AUTHENTICATION PROCEDURES

15.20.1. Q. Authenticated voice transmission within time limits specified on authenticators.

15.20.2. Q-. Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

15.20.3. U. Committed errors or omissions that jeopardized mission accomplishment.

15.21. AREA 19—AIRCRAFT EMERGENCIES PROCEDURES (CRITICAL)

15.21.1. Q. Assisted aircraft experiencing an emergency in a timely manner. Recognized the existence of an aircraft emergency. Coordinated responses IAW an emergency checklist. Entered the appropriate emergency point on the scope. Monitored WD aircraft emergency responses.

15.21.2. U. Failed to assist aircraft experiencing an emergency in a timely manner. Failed to follow the aircraft emergency checklist. Failed to enter an appropriate emergency point on the scope. Failed to monitor WD aircraft emergency responses. Committed errors or omissions that could have led to the loss of the aircraft, aircrew or jeopardized mission accomplishment.

15.22. AREA 20—WEATHER INPUTS

15.22.1. Q. Accessed, interpreted, and used weather information. Extracted weather information from a weather report.

15.22.2. Q-. Accessed, interpreted, and used weather information. Extracted weather information from a weather report. Committed errors or omissions that did not adversely affect mission accomplishment.

15.22.3. U. Failed to access, interpret, and/or use weather information. Failed to extract weather from a weather report. Failed to read and/or interpret weather information. Committed errors or omissions that could have jeopardized mission accomplishment.

15.23. AREA 21—POSITIONAL CHANGE OVER BRIEF

15.23.1. Q. Briefed the relieving SD/SDT on the current operational situation.

15.23.2. Q-. Briefed the relieving SD/SDT on the current operational situation. Committed errors or omissions that did not adversely affect mission accomplishment.

15.23.3. U. Failed to brief the relieving SD/SDT on the current operational situation. Committed errors or omissions that could have jeopardized mission accomplishment.

15.24. AREA 22—AIRCREW DEBRIEF

15.24.1. **Q.** Prepared for and participated in a debriefing with the aircrew IAW AFI 11-214, Attachment 3 and local directives.

15.24.2. **Q-.** Prepared for and participated in a debriefing with the aircrew IAW AFI 11-214, Attachment 3 and local directives. Committed errors or omissions that did not adversely affect mission accomplishment.

15.24.3. **U.** Failed to prepare for and/or participate in a debriefing with the aircrew IAW AFI 11-214, Attachment 3 and local directives. Committed errors or omissions that could have negatively impacted mission accomplishment.

15.25. AREA 23-WEAPONS DEBRIEF (SD ONLY)

15.25.1. **Q.** Conducted the weapons debriefing. Reconstructed mission events and determined weapons mission accomplishment relative to briefed mission objectives. Summarized and briefed weapons lessons learned.

15.25.2. **Q-.** Conducted the weapons debriefing. Reconstructed mission events and determined weapons mission accomplishment relative to briefed mission objectives. Summarized and briefed weapons lessons learned. Committed errors or omissions that did not adversely affect mission accomplishment.

15.25.3. **U.** Failed to conduct the weapons debriefing. Failed to reconstruct mission events. Failed to determine weapons mission accomplishment relative to briefed mission objectives. Failed to summarize and/or brief weapons lessons learned. Committed errors or omissions that could have negatively impacted mission accomplishment.

15.26. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

15.26.1. **AREA 24—INSTRUCTIONAL ABILITY**

15.26.2. **AREA 25—BRIEFINGS/CRITIQUE**

15.26.3. **AREA 26—DEMONSTRATION AND PERFORMANCE**

Chapter 16

JAPANESE AIR SELF DEFENSE FORCES (JASDF) AIR DEFENSE GROUND ENVIRONMENT SYSTEM WEAPONS QUALIFICATION EVALUATION

16.1. General. This chapter contains the criteria specifying the tasks required of a BQ AWO/WD and is applicable to 13BXX/1C5X1Ds assigned to the 623ACF, and 610ACF.

16.1.1. Specific control events that must be accomplished for BQ qualifications are (T-3):

16.1.1.1. Air Combat Tactics. Provide control to tactical fighter(s) in a two scope, two frequency air combat mission. Adversary force must have at least two aircraft (T-3). Must be conducted live (T-3).

16.1.1.2. Air Refueling. The examinee controls air refueling operations using the continuum of control to at least two separate receivers/elements simultaneously rendezvousing on one or more tankers. May be conducted in a live, virtual, or constructive environment.

16.1.2. Weapons personnel will be evaluated on a live intercept and/or an air refueling mission and an ACT/DACT mission. The SEE is responsible for making the determination as to whether briefed/conducted control activities fulfill live control requirements. The specific control events not evaluated in the live environment will be evaluated using simulation equipment if available. (T-3)

16.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all weapons duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 16.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Briefing/Debriefing	
3	Positional Equipment Checkout/Setup	
4	Console Operations and Positional Aids	
5	Communications Selection and Use	
6	Local Orientation	
7	INFOSEC/OPSEC	
8	COMSEC	Critical
9	Authentication Procedures	
10	Aircraft Identification	
11	Coordination	
12	Flight Safety	Critical
13	Emergency Procedures	Critical
14	Air-to-Air	
15	Air Refueling	
16	Check-in	

17	Radio/Telephone (R/T) Procedures Proficiency/Communications	
18	Positional Changeover Brief	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
19	Instructional Ability	
20	Briefings/Critique	
21	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

16.3. AREA 1 —MISSION PLANNING

16.3.1. **Q.** Mission planning was comprehensive and effective. Pertinent materials, factors and situations having a bearing on the mission were reviewed.

16.3.2. **Q-.** Mission planning was effective. Pertinent materials, factors and situations having a bearing on the mission were reviewed. Committed errors or omissions that did not jeopardize mission effectiveness.

16.3.3. **U.** Failed to mission plan. Pertinent materials, factors and situations having a bearing on the mission were not reviewed. Committed errors or omissions that could have impacted or adversely impacted operations.

16.4. AREA 2 —BRIEFING/DEBRIEFING

16.4.1. **Q.** Attended pre-mission/mission briefings/debriefings. Extracted and provided all necessary information. Factors, situations or conditions having a bearing on the mission were briefed and coordination was thorough.

16.4.2. **Q-.** Attended pre-mission/mission briefings/debriefings. Extracted and provided necessary information. Factors, situations or conditions having a bearing on the mission were briefed and coordinated. Committed errors or omissions that did not jeopardize mission effectiveness.

16.4.3. **U.** Failed to attend pre-mission/mission briefings/debriefings. Failed to extract and provided necessary information. Factors, situations or conditions having a bearing on the mission were not briefed and coordinated. Committed errors or omissions that could have jeopardized mission effectiveness.

16.5. AREA 3 —POSITIONAL EQUIPMENT CHECK-OUT / SET-UP

16.5.1. **Q.** Set-up and checked out status of console, communications, and other operator tasked equipment to ensure operation IAW directives.

16.5.2. **Q-.** Set-up and checked out console, communications, and other operator tasked equipment to ensure operation IAW directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.5.3. **U.** Failed to set-up and check out console, communications, and other operator tasked equipment IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.6. AREA 4 —CONSOLE OPERATIONS AND POSITIONAL AIDS

16.6.1. **Q.** Interpreted data, responded to prompts and initiated use of appropriate windows/buttons/controlled to ensure console displays updated IAW directives. Effectively used and interpreted available positional aids.

16.6.2. **Q-.** Interpreted data, responded to prompts and initiated use of appropriate windows/buttons/controlled to ensure console displays updated IAW directives. Used and interpreted available positional aids. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.6.3. **U.** Failed to interpret data, responded to prompts and initiate use of appropriate windows/buttons/controlled to ensure console displays updated IAW directives. Failed to use and interpret available positional aids. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.7. AREA 5—COMMUNICATIONS SELECTIONS AND USE

16.7.1. **Q.** Selected and operated communications equipment including primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives.

16.7.2. **Q-.** Selected and operated communications equipment including primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.7.3. **U.** Failed to select and operate communications equipment including primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.8. AREA 6—LOCAL ORIENTATION

16.8.1. **Q.** Demonstrated knowledge of local procedures, airspace structure, and geographical fixes.

16.8.2. **Q-.** Demonstrated knowledge of local procedures, airspace structure, and geographical fixes. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.8.3. **U.** Failed to demonstrate knowledge of local procedures, airspace structure, and geographical fixes. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.9. AREA 7—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

16.9.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

16.9.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

16.9.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.10. AREA 8—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

16.10.1. **Q.** Used and controlled COMSEC IAW established procedures.

16.10.2. **U.** Failed to use and control COMSEC IAW established procedures.

16.11. AREA 9—AUTHENTICATION PROCEDURES

16.11.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

16.11.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

16.11.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

16.12. AREA 10—AIRCRAFT IDENTIFICATION

16.12.1. **Q.** Identified assigned aircraft employing pilot reported position, IFF/SIF returns, or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar scope interpretation.

16.12.2. **Q-.** Identified assigned aircraft employing pilot reported position, IFF/SIF returns, or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar scope interpretation. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.12.3. **U.** Failed to identify assigned aircraft by pilot reported position, IFF/SIF returns, or pilot maneuvering. Failed to accomplish identification after aircraft radio check-in using radar scope interpretation. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

16.13. AREA 11—COORDINATION

16.13.1. **Q.** Coordinated and reported all requirements, mission changes, and equipment discrepancies/limitations IAW directives.

16.13.2. **Q-.** Coordinated and reported requirements, mission changes, and equipment discrepancies/limitations IAW directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.13.3. **U.** Failed to coordinate and report requirements, mission changes, equipment discrepancies/limitations IAW directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

16.14. AREA 12—FLIGHT SAFETY (CRITICAL)

16.14.1. **Q.** Effectively applied all flight safety procedures IAW directives. Accurately transmitted all required safety calls (i.e. traffic advisories, ATC clearances, airspace calls). Knowledgeable of and effectively applied “TERMINATE” and “KNOCK-IT-OFF” criteria.

16.14.2. **U.** Lacked critical knowledge or failed to apply flight safety requirements IAW directives. Failed to provide timely and accurate traffic advisories, airspace calls, or ATC clearances. Failed to effectively apply “TERMINATE” and “KNOCK-IT-OFF” procedures. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

16.15. AREA 13—EMERGENCY PROCEDURES (CRITICAL)

16.15.1. **Q.** Demonstrated thorough knowledge of emergency procedures. Recognized emergency situations and implemented emergency procedures IAW directives.

16.15.2. **U.** Failed to demonstrate adequate knowledge of emergency procedures. Failed to recognize emergency situations and implement emergency procedures IAW directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

16.16. AREA 14—AIR-TO-AIR

16.16.1. **Q.** Provided essential information in an approved, briefed or requested format. Provided timely and accurate target information. Made threat calls to appropriate aircraft IAW AFTTP 3-1. Adhered to mission brief. Ensured no unreported threats engaged friendly aircraft.

16.16.2. **Q-.** Provided essential information in an approved, briefed or requested format. Provided timely and accurate target information. Made threat calls to appropriate aircraft IAW AFTTP 3-1. Adhered to mission brief. Ensured no unreported threats engaged friendly aircraft. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.16.3. **U.** Failed to provide essential information in a timely or accurate manner. Failed to make threat calls as required. Failed to adhere to the mission brief. Friendly aircraft were engaged by unreported threats. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

16.17. AREA 15—AIR REFUELING

16.17.1. **Q.** Directed air refueling missions consistent with the continuum of control. Checked in tankers and receivers IAW checklists. Ensured altimeter settings were passed to all players. Ensured receivers were weapons safe before rendezvous. Provided guidance to all aircraft, including close control vectors and direction of turn, altitudes and speeds as required, and adjusted commands as necessary to ensure a timely and successful rendezvous. Made all required safety calls IAW AFI 11-214 and published local directives

16.17.2. **Q-.** Directed air refueling missions consistent with the continuum of control. Checked in tankers and receivers IAW checklists. Ensured altimeter settings were passed to all players. Ensured receivers were weapons safe before rendezvous. Provided guidance to all aircraft, including close control vectors and direction of turn, altitudes and speeds as required, and adjusted commands as necessary to ensure a timely and successful rendezvous. Made all required safety calls IAW AFI 11-214 and published local directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

16.17.3. **U.** Failed to provide guidance to aircraft, including close control vectors and directions of turn, altitudes or speed, to ensure a timely and successfully positioned rendezvous. Failed to adjust commands as required. Failed to make all required safety calls IAW AFI 11-214 and published local directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

16.18. AREA 16—CHECK-IN

16.18.1. **Q.** Provided guidance to all aircraft IAW published local directives. Transmissions were clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives as applicable.

16.18.2. **Q-.** Provided guidance to aircraft IAW published local directives. Transmissions were mostly clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives. Committed errors or omissions that did not jeopardize mission accomplishment/safety

16.18.3. **U.** Failed to provide guidance to aircraft IAW published local directives. Transmissions were not clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.19. AREA 17—RADIO/TELEPHONE (R/T) PROFICIENCY/COMMUNICATIONS

16.19.1. **Q.** Effectively applied appropriate R/T brevity code words and communication procedures. Transmissions were clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives.

16.19.2. **Q-.** Applied appropriate R/T brevity code words and communications. Transmissions were mostly clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives. Committed errors or omissions that did not jeopardize mission accomplishment/safety.

16.19.3. **U.** Failed to demonstrate thorough knowledge or effective application of appropriate R/T brevity code words or communication procedures. Transmissions were excessive, incomplete, broken, clipped, and repetitious or contained extraneous information. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.20. AREA 18—POSITIONAL CHANGE OVER BRIEF

16.20.1. **Q.** Briefed the relieving AWO/WD or SD on the current operational situation IAW squadron standards and positional aids.

16.20.2. **Q-.** Briefed the relieving AWO/WD or SD on the current operational situation. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

16.20.3. **U.** Failed to brief the relieving AWO/WD or SD on the current operational situation. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

16.21. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

16.21.1. **AREA 19—INSTRUCTIONAL ABILITY**

16.21.2. **AREA 20—BRIEFINGS/CRITIQUE**

16.21.3. **AREA 21—DEMONSTRATION AND PERFORMANCE**

Chapter 17

JAPANESE AIR SELF DEFENSE FORCES (JASDF) BASE AIR DEFENSE GROUND ENVIRONMENT SYSTEM WEAPONS DIRECTOR TECHNICIAN QUALIFICATION EVALUATION

17.1. General

17.1.1. This chapter contains the criteria specifying the tasks required of a BQ WDT and is to 1C5X1s assigned to the 623ACF and 610ACF.

17.1.2. Specific control events that must be accomplished for BQ qualifications are (T-3):

17.1.3. Air Combat Tactics. Conduct a two scope, two frequency air combat mission. Adversary force must have at least two aircraft (T-3). Must be conducted live (T-3).

17.1.4. Air Refueling. Conduct Air Refueling with at least one tanker and two flights of receivers IAW standards and local directives. Make all required safety calls. May be conducted live, virtual, or constructive.

17.1.5. Weapons personnel will be evaluated on a live intercept and/or an L/V/C air refueling mission and an ACT/DACT mission (T-3). The SEE is responsible for making the determination as to whether briefed/conducted control activities fulfill live control requirements. The specific control events not evaluated in the live environment will be evaluated using simulation equipment if available (T-3).

17.2. Evaluation Objective. The examinee must demonstrate the ability to accomplish all weapons duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q-, or U will be given to each non-critical area (T-2). Critical areas are rated Q or U (T-2).

Table 17.1. Qualification Criteria

Area	Title	
1	Mission Planning	
2	Positional Equipment Checkout/Setup	
3	Console Operations and Positional Aids	
4	Communications Selection and Use	
5	Local Orientation	
6	INFOSEC/OPSEC	
7	COMSEC	Critical
8	Authentication Procedures	
9	Aircraft Identification	
10	Coordination	
11	Flight Safety	Critical
12	Emergency Procedures	Critical
13	Air-to-Air	
14	Air Refueling	
15	Radio/Telephone (R/T) Procedures	
16	Positional Changeover Brief	

Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
17	Instructional Ability	
18	Briefings/Critique	
19	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

17.3. AREA 1—MISSION PLANNING

17.3.1. **Q.** Assisted the WD in mission planning. Mission planning was comprehensive and effective. Pertinent materials, factors and situations having a bearing on the mission were reviewed.

17.3.2. **Q-.** Assisted the WD in mission planning. Mission planning was effective. Pertinent materials, factors and situations having a bearing on the mission were reviewed. Committed errors or omissions that did not jeopardize mission effectiveness.

17.3.3. **U.** Failed to mission plan. Pertinent materials, factors and situations having a bearing on the mission were not reviewed. Committed errors or omissions that could have impacted or adversely impacted operations.

17.4. AREA 2—POSITIONAL EQUIPMENT CHECK-OUT/SET-UP

17.4.1. **Q.** Set-up and checked out status of console, communications and other operator tasked equipment to ensure operation IAW directives.

17.4.2. **Q-.** Set-up and checked out console, communications and other operator tasked equipment to ensure operation IAW directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

17.4.3. **U.** Failed to set-up and check out console, communications and other operator tasked equipment IAW directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.5. AREA 3—CONSOLE DISPLAYS AND POSITIONAL AIDS

17.5.1. **Q.** Interpreted data, responded to prompts and initiated use of appropriate windows/buttons/controls to ensure console displays updated IAW directives. Effectively used and interpreted available positional aids.

17.5.2. **Q-.** Interpreted data, responded to prompts and initiated use of appropriate windows/buttons/controls to ensure console displays updated IAW directives. Used and interpreted available positional aids. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

17.5.3. **U.** Failed to interpret data, responded to prompts and initiate use of appropriate windows/buttons/controls to ensure console displays updated IAW directives. Failed to use and interpret available positional aids. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.6. AREA 4—COMMUNICATION SELECTION AND USE

17.6.1. **Q.** Selected and operated communications equipment including primary, secondary and secure systems IAW performance capabilities, mission tasking and directives.

17.6.2. **Q-** Selected and operated communications equipment including primary, secondary and secure systems IAW performance capabilities, mission tasking and directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

17.6.3. **U.** Failed to select and operate communications equipment including primary, secondary and secure systems IAW performance capabilities, mission tasking and directives. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.7. AREA 5—LOCAL ORIENTATION

17.7.1. **Q.** Demonstrated knowledge of local procedures, airspace structure, and geographical fixes.

17.7.2. **Q-** Demonstrated knowledge of local procedures, airspace structure, and geographical fixes. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

17.7.3. **U.** Failed to demonstrate knowledge of local procedures, airspace structure, and geographical fixes. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.8. AREA 6—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

17.8.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

17.8.2. **Q-** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

17.8.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.9. AREA 7—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

17.9.1. **Q.** Used and controlled COMSEC IAW established procedures.

17.9.2. **U.** Failed to use and control COMSEC IAW established procedures.

17.10. AREA 8—AUTHENTICATION PROCEDURES

17.10.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

17.10.2. **Q-** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

17.10.3. **U.** Committed errors or omissions that jeopardized mission accomplishment.

17.11. AREA 9—AIRCRAFT IDENTIFICATION

17.11.1. **Q.** Assisted the WD in identifying assigned aircraft using pilot reported position, IFF/SIF returns or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar or IFF/SIF displays.

17.11.2. **Q-** Assisted in identifying assigned aircraft using pilot reported position, IFF/SIF returns or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar scope interpretation. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

17.11.3. **U.** Failed to assist the WD in identifying assigned aircraft using pilot reported position, IFF/SIF returns or pilot maneuvering. Failed to accomplish identification after aircraft radio check-in using radar or IFF/SIF displays. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.12. AREA 10—COORDINATION

17.12.1. **Q.** Coordinated and reported all requirements, mission changes, and equipment discrepancies/limitations IAW directives.

17.12.2. **Q-** Coordinated and reported requirements, mission changes, and equipment discrepancies/limitations IAW directives. Committed errors or omissions which did not adversely impact mission accomplishment/safety.

17.12.3. **U.** Failed to coordinate and report requirements, mission changes, equipment discrepancies/limitations IAW directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

17.13. AREA 11—FLIGHT SAFETY (CRITICAL)

17.13.1. **Q.** Effectively applied all flight safety procedures IAW directives. Assisted WD with accurate transmission of all required safety calls (i.e. traffic advisories, ATC clearances, airspace calls). Knowledgeable of and assisted WD with effectively applying "TERMINATE" and "KNOCK-IT-OFF" criteria.

17.13.2. **U.** Lacked critical knowledge or failed to apply flight safety requirements IAW directives. Failed to assist WD by provide timely and accurate traffic advisories, airspace calls, or ATC clearances. Failed to assist WD with effectively applying "TERMINATE" and "KNOCK-IT-OFF" procedures. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

17.14. AREA 12—AIR-TO-AIR

17.14.1. **Q.** Assisted WD with essential information in an approved, briefed or requested format. Provided timely and accurate target information. Assisted WD with threat calls to appropriate aircraft IAW AFTTP 3-1. Adhered to mission brief. Ensured no unreported threats engaged friendly aircraft.

17.14.2. **Q-** Assisted WD with essential information, target information and threat calls to aircraft as requested with errors or omissions that did not jeopardize mission accomplishment/safety.

17.14.3. **U.** Failed to assist WD with essential information in a timely or accurate manner. Failed to assist WD with making threat calls as required. Failed to adhere to the mission brief. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

17.15. AREA 13—EMERGENCY PROCEDURES (CRITICAL)

17.15.1. **Q.** Demonstrated thorough knowledge of emergency procedures. Recognized emergency situations and implemented emergency procedures IAW directives.

17.15.2. **U.** Failed to demonstrate adequate knowledge of emergency procedures. Failed to recognize emergency situations and implement emergency procedures IAW directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

17.16. AREA 14—AIR REFUELING POSITIONAL

17.16.1. **Q.** Assisted WD with providing guidance to all aircraft, including close control vectors and direction of turn, altitudes and speeds as required, and adjusted commands as necessary to ensure a timely and successful rendezvous. Made all required safety calls IAW AFI 11-214 and published local directives.

17.16.2. **Q-.** Assisted WD with providing guidance to all aircraft, including close control vectors and direction of turn, altitudes and speeds as required. Made all required safety calls IAW AFI 11-214 and published local directives. Committed errors or omissions that did not jeopardize mission accomplishment/safety but may have impacted/delayed a timely rendezvous.

17.16.3. **U.** Failed to assist WD with providing guidance to aircraft, including close control vectors and directions of turn, altitudes or speed, to ensure a timely and successfully positioned rendezvous. Failed to adjust commands as required. Failed to make all required safety calls IAW AFI 11-214 and published local directives. Committed errors or omissions that could have adversely impacted mission accomplishment/safety.

17.17. AREA 15—R/T PROCEDURES

17.17.1. **Q.** Employed R/T procedures IAW directives and local standard operating procedures.

17.17.2. **Q-.** Employed R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

17.17.3. **U.** Failed to employ R/T procedures IAW directives and local standard operating procedures. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.18. AREA 16—POSITIONAL CHANGEOVER BRIEF

17.18.1. **Q.** Briefed the relieving AWO/WD/WDT or SD/SDT on the current operational situation IAW squadron standards and positional aids.

17.18.2. **Q-.** Briefed the relieving AWO/WD/WDT or SD/SDT on the current operational situation. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

17.18.3. **U.** Failed to brief the relieving AWO/WD/WDT or SD/SDT on the current operational situation. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

17.19. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

17.19.1. **AREA 17—INSTRUCTIONAL ABILITY**

17.19.2. **AREA 18—BRIEFINGS/CRITIQUE**

17.19.3. **AREA 19—DEMONSTRATION AND PERFORMANCE**

Chapter 18

KOREAN THEATER AIR CONTROL SYSTEM MISSION CREW COMMANDER/MISSION CREW COMMANDER TECHNICIAN QUALIFICATION EVALUATIONS

18.1. Purpose. This chapter, in conjunction with AFI 13-1STAN/EVAL Vol. 2, gives 621 Air Control Squadron (ACS) assigned SEE procedures and criteria to use during MCC/MCCT evaluations. Adherence to these procedures and criteria ensures an accurate assessment of the proficiency and capabilities of crew members.

18.2. Rating Policies. SEEs will use the rating policies in AFI 13-1STAN/EVAL Vol. 2 and this chapter for conducting all evaluations (T-2). All area ratings are based on a three level rating system (Q, Q- and U) described below. Critical grading area ratings are based on a two level rating system (Q/U) described below.

18.2.1. A Qualified area grade (Q) is the desired level of performance. The examinee demonstrates a satisfactory level of knowledge of all required information, performed duties within the prescribed tolerances and accomplishes the assigned mission with no discrepancies.

18.2.2. A Qualified-minus area grade (Q-) indicates the examinee is qualified to perform the assigned area tasks, but requires a written debriefed comment or additional training as determined by the SEE. Deviations from established standards must not exceed the prescribed Q- tolerances or jeopardize flight safety (T-3).

18.2.3. An Unqualified area grade (U) is given for performance outside allowable parameters or deviations from prescribed procedures that jeopardized mission accomplishment or compromised flight safety. An examinee receiving an area grade of "U" normally requires additional training. When, in the judgment of the SEE, additional training will not constructively improve examinee performance, it is not required, but the SEE will thoroughly debrief the examinee (T-3).

18.3. Evaluation Methods. The primary method of determining an examinee's level of knowledge and proficiency is observation of job performance on live missions. When conditions such as mission availability preclude evaluation of a particular event on a live mission, it may be evaluated by an alternate method (i.e., mission simulator, verbally or academic ground evaluation scenario) if allowed in the evaluation requirements section of this chapter. SEEs will make every effort to evaluate all required areas on a live mission before resorting to alternatives. Document alternate evaluation methods for each area in the Mission Description section of the AF Form 8. The questioning of examinees during the positional portion of the evaluation should be limited to items not easily determined by observation and related to the scenario being employed for the evaluation. (T-3)

18.4. Critical Areas. Critical grading areas are defined as events that require a degree of knowledge and proficiency essential for safety and mission accomplishment. If an examinee receives a "U" grade in any critical area, the overall grade for the evaluation will also be unqualified (T-3). Critical areas are identified by "(Critical)" following the applicable area title.

18.5. Evaluation Requirements. All areas specified in this chapter are required for a complete positional evaluation (T-3).

18.5.1. The IQE/Requalification Evaluation (RQE) positional evaluation will demonstrate the examinee's ability to operate mission systems and apply local theater guidance to effectively accomplish the mission (T-3).

18.5.1.1. The examinee will complete a written examination derived from the MAJCOM Master Question File and unit derived Local Operating Procedures (T-3).

18.5.1.2. The examinee will perform duties as the MCC/MCCT during live daily flying operations to support evaluation objectives (T-3). The SEE will determine whether the extent of live flying activity is sufficient for evaluation purposes (T-3). The evaluation may continue on a subsequent day to fully meet evaluation requirements. Area 13, Daily Flying Operations, must be accomplished live (T-3). Other areas may be accomplished by alternate methods.

18.5.2. Upon completion of Mission Qualification Training (MQT), Stan/Eval will administer a 25-question, written Mission Qualification Evaluation (MQE) (T-3). The passing score is 85 percent. Stan/Eval will maintain at least two different tests on file or utilize a computer-generated testing program (T-3). A positional evaluation is not required upon completion of MQT.

18.5.3. Upon successful completion of the MQE, give individuals CMR status and place them into CT (T-3).

18.6. Evaluation Objective. The examinee must demonstrate the ability to accomplish all MCC/MCCT duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each area (T-2). Critical areas are rated Q or U (T-2).

Table 18.1. Evaluation Criteria

Area	Title	
1	Mission Planning	
2	Briefing/Debriefing	
3	Positional Equipment Checkout/Setup	
4	Console Operations and Positional Aids	
5	Communications Selection and Use	
6	Local Orientation	
7	INFOSEC/OPSEC	
8	COMSEC	Critical
9	Authentication Procedures	
10	Battle Management (MCC Only)	
11	Coordination	
12	Emergency Procedures	Critical
13	Daily Flying Operations (MCC Only)	Critical
14	Air Defense Operations (MCC Only)	
15	Operational Systems	
16	Documentation	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		

17	Instructional Ability	
18	Briefings/Critique	
19	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

18.7. AREA 1—MISSION PLANNING

18.7.1. **Q.** Planned mission activities by determining mission taskings. Clearly defined mission overview and objectives. Solicited feedback to check understanding of mission requirements. Directed the crew to formulate plans to accomplish mission taskings, obtained and analyzed status of mission equipment, and determined the impact on mission objectives. Thoroughly critiqued plans to identify potential problem areas. Checked understanding of possible contingencies. Directed mission planning briefing according to directives. Read and initialed for all items in the Flight Crew Information File (FCIF) and read files.

18.7.2. **Q-.** Directed and performed mission planning as described in **Paragraph 18.7.1** with errors or omissions that did not jeopardize mission accomplishment.

18.7.3. **U.** Directed and performed mission planning as described in **Paragraph 18.7.1** with errors or omissions that jeopardized mission accomplishment. Failed to read and initial for all items in the FCIF and read files.

18.8. AREA 2—BRIEFING/DEBRIEFING

18.8.1. **Q.** Directed all required briefings/debriefings and extracted/provided all necessary information. Directed briefings/debriefings in an organized, logical sequence. Ensured the crew was thoroughly briefed on all aspects of the mission. Provided positive and negative feedback. Provided specific, objective, non-threatening feedback on team and individual performance. Provided specific ways to correct errors. Asked for reactions and inputs from others. Recapped key points and compared mission results with objectives.

18.8.2. **Q-.** Directed all required briefings/debriefings. Extracted/provided information or directed briefings/debriefings and/or ensured the crew was thoroughly briefed on all aspects of the mission with errors or omissions that did not jeopardize mission accomplishment

18.8.3. **U.** Failed to direct required briefings/debriefings. Extracted/provided information or directed briefings/debriefings with errors or omissions that jeopardized mission accomplishment. Failed to ensure the crew was thoroughly briefed on all aspects of the mission.

18.9. AREA 3—POSITIONAL EQUIPMENT CHECK-OUT /SET-UP

18.9.1. **Q.** Set up and checked out console, communications and other operator-tasked equipment to ensure operation was IAW directives.

18.9.2. **Q-.** Set up and checked out console, communications and other operator-tasked equipment to ensure operation was IAW directives with errors or omissions which did not jeopardize mission accomplishment/safety.

18.9.3. **U.** Lacked critical knowledge of console, communications and other operator-tasked equipment. Operational status of equipment was not verified or equipment discrepancies

were not noted or reported. Mission accomplishment/safety was or could have been adversely affected.

18.10. AREA 4—CONSOLE OPERATIONS AND POSITIONAL AIDS

18.10.1. **Q.** Interpreted/initiated use of appropriate windows and buttons. Ensured update of data for console displays and responded to prompts IAW directives. Effectively used and interpreted available positional aids.

18.10.2. **Q-.** Interpreted/initiated use of appropriate windows and buttons. Ensured update of data for console displays, responded to prompts IAW directives and effectively used and interpreted available positional aids IAW directives with errors or omissions which did not jeopardize mission accomplishment/safety.

18.10.3. **U.** Failed to interpret/initiate use of appropriate windows and buttons, and/or failed to ensure update of data for console displays, or respond to prompts IAW directives with errors or omissions which jeopardize mission accomplishment/safety.

18.11. AREA 5—COMMUNICATION SELECTIONS AND USE

18.11.1. **Q.** Selected and operated communications equipment to include primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives.

18.11.2. **Q-.** Selected and operated communications equipment to include primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives with errors or omissions which did not jeopardize mission accomplishment/safety.

18.11.3. **U.** Examinee lacked critical knowledge to effectively utilize dedicated communication systems. Made major omissions or errors. Mission accomplishment/safety was or could have been adversely affected.

18.12. AREA 6—LOCAL ORIENTATION

18.12.1. **Q.** Demonstrated the required knowledge of local procedures, airspace structure, and geographical fixes.

18.12.2. **Q-.** Demonstrated the required knowledge of local procedures, airspace structure, and geographical fixes with errors or omission that did not jeopardize mission accomplishment/safety.

18.12.3. **U.** Failed to demonstrate adequate knowledge of local procedures, airspace structure, and geographical fixes. Mission accomplishment/safety was or could have been adversely impacted.

18.13. AREA 7—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

18.13.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

18.13.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

18.13.3. U. Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

18.14. AREA 8—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

18.14.1. Q. Used and controlled COMSEC IAW established procedures.

18.14.2. U. Failed to use and control COMSEC IAW established procedures.

18.15. AREA 9—AUTHENTICATION PROCEDURES

18.15.1. Q. Authenticated voice transmission within time limits specified on authenticators.

18.15.2. Q-. Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

18.15.3. U. Unable to authenticate voice transmissions within time limits specified on authenticators. Committed errors or omissions that jeopardized mission accomplishment.

18.16. AREA 10—BATTLE MANAGEMENT (MCC ONLY)

18.16.1. Q. Executed OPORDs/OPLANS IAW applicable directives. Directed employment of operations within the limitations and capabilities of assigned equipment. Interoperates with adjacent ground and airborne C2 elements of US and other host nation facilities. Ensured effective exchange of both voice and data link information. Planned, recognized, and directed changes in levels of operations to meet unit tasking.

18.16.2. Q-. Performed errors or omissions which did not affect mission accomplishment/safety.

18.16.3. U. Failed to conduct “Battle Management”. Included significant errors or omissions that impacted mission accomplishment/safety.

18.17. AREA 11—COORDINATION

18.17.1. Q. Coordinated and reported all requirements, mission changes, and equipment discrepancies and limitations IAW directives.

18.17.2. Q-. Coordinated and reported all requirements, mission changes, and equipment discrepancies and limitations IAW directives with errors or omissions which did not jeopardize mission accomplishment/safety.

18.17.3. U. Failed to coordinate and report all requirements, mission changes, equipment discrepancies and limitations IAW directives. Mission accomplishment/safety was or could have been adversely affected.

18.18. AREA 12—EMERGENCY PROCEDURES (CRITICAL)

18.18.1. Q. Demonstrated thorough knowledge of emergency procedures. Recognized emergency situations and implemented emergency procedures IAW directives.

18.18.2. U. Failed to demonstrate adequate knowledge of emergency procedures. Failed to recognize emergency situations and implement emergency procedures IAW directives. Mission accomplishment/safety was or could have been adversely affected.

18.19. AREA 13—DAILY FLYING OPERATIONS (MCC ONLY) (CRITICAL)

18.19.1. **Q.** Effectively managed the local flying environment. Effectively monitored mission execution. Ensured flight safety.

18.19.2. **U.** Lacked critical knowledge of or could not effectively manage the local flying environment. Failed to adequately monitor mission execution or ensure flight safety. Mission accomplishment/safety was or could have been adversely affected.

18.20. AREA 14—AIR DEFENSE OPERATIONS (MCC ONLY)

18.20.1. **Q.** Effectively applied established air defense procedures and concepts IAW directives.

18.20.2. **Q-.** Applied established air defense procedures and concepts IAW directives with errors, omissions, or delays that did not jeopardize mission accomplishment/safety or safety of flight.

18.20.3. **U.** Lacked critical knowledge or failed to effectively apply established air defense procedures. Made crucial omissions and errors. Failed to conduct “Air Defense Operations” or included significant errors or omissions that impacted mission accomplishment/safety.

18.21. AREA 15—OPERATIONAL SYSTEMS

18.21.1. **Q.** Demonstrated thorough knowledge/application of dedicated computer/radar systems IAW applicable directives.

18.21.2. **Q-.** Demonstrated adequate knowledge/application of dedicated computer/radar systems IAW applicable directives with errors, omissions or delays that did not jeopardize mission accomplishment/safety or safety of flight.

18.21.3. **U.** Failed to demonstrate adequate knowledge/application of dedicated computer/radar systems IAW applicable directives. Mission accomplishment/safety was or could have been adversely affected.

18.22. AREA 16—DOCUMENTATION

18.22.1. **Q.** Demonstrated thorough knowledge in the use of operational logs/forms/documentation to support daily/contingency operations.

18.22.2. **Q-.** Demonstrated adequate knowledge in the use of operational logs/forms/documentation to support daily/contingency operations with errors, omissions or delays that did not jeopardize mission accomplishment/safety or safety of flight.

18.22.3. **U.** Failed to demonstrate thorough knowledge in the use of operational logs/forms/documentation to support daily/contingency operations. Mission accomplishment/safety was or could have been adversely affected.

18.23. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

18.23.1. **AREA 17—INSTRUCTIONAL ABILITY**

18.23.2. **AREA 18—BRIEFINGS/CRITIQUE**

18.23.3. **AREA 19—DEMONSTRATION AND PERFORMANCE**

Chapter 19

KOREAN THEATER AIR CONTROL SYSTEM WEAPONS DIRECTOR/AIR WEAPONS OFFICER/SENIOR DIRECTOR QUALIFICATION EVALUATIONS

19.1. Purpose. This chapter, in conjunction with AFI 13-1STAN/EVAL Vol. 2, gives 621 ACS assigned SEE procedures and criteria to use during WD, AWO, and SD evaluations. Adherence to these procedures and criteria ensures an accurate assessment of the proficiency and capabilities of crew members.

19.2. Rating Policies. SEEs will use the rating policies in AFI 13-1STAN/EVAL Vol. 2 and this chapter for conducting all evaluations (T-2). All non-critical area ratings are based on a three level rating system (Q, Q-, and U) described below. Critical grading area ratings are based on a two level rating system (Q/U) described below.

19.2.1. A Qualified area grade (Q) is the desired level of performance. The examinee demonstrates a satisfactory level of knowledge of all required information, performed duties within the prescribed tolerances and accomplishes the assigned mission with no discrepancies.

19.2.2. A Qualified-minus area grade (Q-) indicates the examinee is qualified to perform the assigned area tasks, but requires a written debriefed comment or additional training as determined by the SEE. Deviations from established standards must not exceed the prescribed Q- tolerances or jeopardize flight safety (T-3).

19.2.3. An Unqualified area grade (U) is given for performance outside allowable parameters or deviations from prescribed procedures that jeopardized mission accomplishment or compromised flight safety. An examinee receiving an area grade of "U" normally requires additional training. When, in the judgment of the SEE, additional training will not constructively improve examinee performance, it is not required, but the SEE will thoroughly debrief the examinee (T-3).

19.3. Evaluation Methods. The primary method of determining an examinee's level of knowledge and proficiency is observation of job performance on live missions. When conditions such as mission availability preclude evaluation of a particular event on a live mission, it may be evaluated by an alternate method (i.e., mission simulator, verbally or academic ground evaluation scenario) if allowed in the evaluation requirements section of this chapter. SEEs will make every effort to evaluate all required areas on a live mission before resorting to alternatives. Document alternate evaluation methods for each area in the Mission Description section of the AF Form 8. The questioning of examinees during the positional portion of the evaluation should be limited to items not easily determined by observation and related to the scenario being employed for the evaluation. (T-3)

19.4. Critical Areas. Critical grading areas are defined as events that require a degree of knowledge and proficiency essential for safety and mission accomplishment. If an examinee receives a "U" grade in any critical area, the overall grade for the evaluation will also be unqualified (T-3). Critical areas are identified by "(Critical)" following the applicable area title.

19.5. Evaluation Requirements. All areas specified in this chapter are required for a complete positional evaluation (T-3).

19.5.1. The IQE/RQE positional evaluation tests an individual's ability to operate equipment and integrate with the crew to accomplish a mission. An "SD Upgrade IQE" is defined as an evaluation given to a 621 ACS CMR AWO or a previously qualified SD from another MDS (at the SQ/DOs discretion), who has completed required SD training through Directorate Operations Training (DOT). Positional evaluations for upgrade to SD will include all grading areas necessary to perform the supervisory role (T-3). The SD evaluation will include weapons control supervision, air-to-air, check-in and air-refueling criteria (T-3).

19.5.1.1. The examinee will complete an IQE written examination derived from the PACAF MQF and unit derived Local Operating Procedures (T-3).

19.5.1.2. The examinee will perform duties as the WD/AWO or SD during live daily flying operations to support evaluation objectives (T-3). The SEE will determine whether the extent of live flying activity is sufficient for evaluation purposes (T-3). The evaluation may continue on a subsequent day to fully meet evaluation requirements. Area 19, Weapons Control Supervision (Critical) (SD Only), must be accomplished live (T-3).

19.5.1.3. Evaluation requirements for the Air-to-Air portion of the qualification are to control a 2v2 or greater mission. This must be a two-scope, two-frequency control event and must be accomplished live (T-3).

19.5.1.4. Evaluation requirements for the Air Refueling portion of the qualification are to simultaneously control two flights of receivers and the tanker. Examinee must demonstrate the ability to tactical two flights of receivers and the tanker (T-3). Examinee must demonstrate the ability to tactically control both tanker and receiver for an effective rendezvous (T-3). Due to operational constraints, this portion is normally accomplished in the simulator.

19.5.1.5. Evaluation requirements for the Check-In portion of the qualification are to control five flights from check-in to check-out. This control event must be accomplished live (T-3).

19.5.2. Upon completion of MQT, Stan/Eval will administer a 25-question, written MQE (T-3). The passing score is 85 percent. Stan/Eval will maintain at least two different tests on file or utilize a computer-generated test program (T-3). A positional evaluation is not required upon completion of MQT.

19.5.3. Upon successful completion of the MQE, give individuals CMR status and place them into CT (T-3).

19.6. Evaluation Objective. The examinee must demonstrate the ability to accomplish all duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each area (T-2). Critical areas are rated Q or U (T-2).

Table 19.1. Evaluation Criteria

Area	Title	
1	Mission Planning	
2	Briefing/Debriefing	
3	Positional Equipment Checkout/Setup	

4	Console Operations and Positional Aids	
5	Communications Selection and Use	
6	Local Orientation	
7	INFOSEC/OPSEC	
8	Communications Security (COMSEC)	Critical
9	Authentication Procedures	
10	Aircraft Identification	
11	Coordination	
12	Flight Safety	Critical
13	Emergency Procedures	Critical
14	Air-to-Air	
15	Air Refueling	
16	Check-in	
17	Radio/Telephone (R/T) Procedures Proficiency/Communications	
18	Positional Changeover Brief	
19	Weapons Control Supervision (SD Only)	Critical
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
20	Instructional Ability	
21	Briefings/Critique	
22	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

19.7. AREA 1—MISSION PLANNING

19.7.1. **Q.** Conducted mission planning that accounted for known mission requirements, limitations, and approved operating procedures IAW applicable directives. Clearly defined the mission overview. Checked all factors applicable to the mission (i.e. SPINS, ROE, ATO, lessons learned, and training requirements). Provided specific information on what needed to be done. Clearly defined mission goals. Solicited feedback to check understanding of mission requirements. Thoroughly critiqued plans to identify potential problem areas. Checked understanding of possible contingencies. Ensured communications setup met weapons mission needs. Read and initialed for all items in the FCIF and read files.

19.7.2. **Q-** Directed and performed mission planning as described in [Paragraph 19.7.1](#) with errors or omissions that did not jeopardize mission accomplishment.

19.7.3. **U.** Directed and performed mission planning as described in [Paragraph 19.7.1](#) with errors or omissions that jeopardized mission accomplishment. Failed to read and initial for all items in the FCIF and read files.

19.8. AREA 2—BRIEFING / DEBRIEFING

19.8.1. **Q.** Directed/attended all required briefings/debriefings and extracted/provided all necessary information. Performed briefings/debriefings in an organized, logical sequence IAW applicable directives. Planned all areas necessary to conduct tasked mission(s) and conducted aircrew briefings/debriefings IAW AFI 11-214 and other directives. Provided positive and negative feedback. Provided specific, objective, non-threatening feedback on team and individual performance. Provided specific ways to correct errors. Asked for

reactions and inputs from others. Recapped key points and compared mission results with objectives.

19.8.2. **Q-**. Directed/attended all required briefings/debriefings. Extracted/provided information or directed briefings/debriefings and/or ensured the Weapons Team was thoroughly briefed on all aspects of the mission with errors or omissions that did not jeopardize mission accomplishment.

19.8.3. **U**. Failed to direct/attend required briefings/debriefings. Failed to extract/provide information or directed briefings/debriefings with errors or omissions that jeopardized mission accomplishment. Failed to ensure the Weapons Team was thoroughly briefed on all aspects of the mission.

19.9. AREA 3—POSITIONAL EQUIPMENT CHECK-OUT/SET-UP

19.9.1. **Q**. Set up and checked out console, communications and other operator-tasked equipment to ensure operation was IAW directives.

19.9.2. **Q-**. Set up and checked out console, communications and other operator-tasked equipment to ensure operation was IAW directives with errors or omissions which did not jeopardized mission accomplishment/safety.

19.9.3. **U**. Lacked critical knowledge of console, communications and other operator-tasked equipment. Operational status of equipment was not verified or equipment discrepancies were not noted or reported. Mission accomplishment/safety was or could have been adversely affected.

19.10. AREA 4—CONSOLE OPERATIONS AND POSITIONAL AIDS

19.10.1. **Q**. Interpreted/initiated use of appropriate windows and buttons. Ensured update of data for console displays, and responded to prompts IAW directives. Effectively used and interpreted available positional aids.

19.10.2. **Q-**. Interpreted/initiated use of appropriate windows and buttons. Ensured update of data for console displays, responded to prompts IAW directives and effectively used and interpreted available positional aids IAW directives with errors or omissions which did not jeopardize mission accomplishment/safety.

19.10.3. **U**. Failed to interpret/initiate use of appropriate windows and buttons. Failed to ensure update of data for console displays, or respond to prompts IAW directives with errors or omissions which jeopardize mission accomplishment/safety.

19.11. AREA 5—COMMUNICATION SELECTIONS AND USE

19.11.1. **Q**. Selected and operated communications equipment to include primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives.

19.11.2. **Q-**. Selected and operated communications equipment to include primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives with errors or omissions which did not jeopardize mission accomplishment/safety.

19.11.3. **U**. Examinee lacked critical knowledge to effectively utilize dedicated communication systems. Made major omissions or errors. Mission accomplishment/safety was or could have been adversely affected.

19.12. AREA 6—LOCAL ORIENTATION

19.12.1. **Q.** Demonstrated the required knowledge of local procedures, airspace structure, and geographical fixes.

19.12.2. **Q-.** Demonstrated the required knowledge of local procedures, airspace structure, and geographical fixes with errors or omission which did not jeopardize mission accomplishment/safety.

19.12.3. **U.** Failed to demonstrate adequate knowledge of local procedures, airspace structure, and geographical fixes. Mission accomplishment/safety was or could have been adversely impacted.

19.13. AREA 7—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

19.13.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

19.13.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

19.13.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

19.14. AREA 8—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

19.14.1. **Q.** Used and controlled COMSEC IAW established procedures.

19.14.2. **U.** Failed to use and control COMSEC IAW established procedures.

19.15. AREA 9—AUTHENTICATION PROCEDURES

19.15.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

19.15.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

19.15.3. **U.** Unable to authenticate voice transmissions within time limits specified on authenticators. Committed errors or omissions that jeopardized mission accomplishment.

19.16. AREA 10—AIRCRAFT IDENTIFICATION

19.16.1. **Q.** Identified assigned aircraft employing pilot reported position, IFF/SIF returns or pilot maneuvering. Accomplished identification after aircraft radio check-in using radar scope interpretation.

19.16.2. **Q-.** Committed errors or omissions while identifying assigned aircraft employing pilot reported position, IFF/SIF returns or pilot maneuvering and accomplished identification after aircraft radio check-in using radar or IFF/SIF displays. Mission accomplishment/safety was not jeopardized.

19.16.3. **U.** Lacked critical knowledge or could not effectively apply procedures and techniques used for aircraft identification. Actions resulted in confusion, delay or inability to

assume control within a timely manner, or an unsafe situation. Mission accomplishment/safety was or could have been adversely affected.

19.17. AREA 11—COORDINATION

19.17.1. **Q.** Coordinated and reported all requirements, mission changes, and equipment discrepancies and limitations IAW directives.

19.17.2. **Q-.** Coordinated and reported all requirements, mission changes, and equipment discrepancies and limitations IAW directives with errors or omissions which did not jeopardize mission accomplishment/safety.

19.17.3. **U.** Failed to coordinate and report all requirements, mission changes, equipment discrepancies and limitations IAW directives. Lack of teamwork adversely affected mission accomplishment/safety.

19.18. AREA 12—FLIGHT SAFETY (CRITICAL)

19.18.1. **Q.** Effectively applied all flight safety procedures IAW directives. Accurately transmitted all required safety calls (i.e. traffic advisories, ATC clearances, airspace calls). Knowledgeable of and effectively applied “TERMINATE” and “KNOCK-IT-OFF” criteria.

19.18.2. **U.** Lacked critical knowledge or failed to apply flight safety requirements IAW directives. Failed to provide timely and accurate traffic advisories, airspace calls or ATC clearances. Failed to effectively apply “TERMINATE” and “KNOCK-IT-OFF” procedures. Mission accomplishment/safety was or could have been adversely affected.

19.19. AREA 13—EMERGENCY PROCEDURES (CRITICAL)

19.19.1. **Q.** Demonstrated thorough knowledge of emergency procedures. Recognized emergency situations and implemented emergency procedures IAW directives.

19.19.2. **U.** Failed to demonstrate adequate knowledge of emergency procedures. Failed to recognize emergency situations and implement emergency procedures IAW directives. Mission accomplishment/safety was or could have been adversely affected.

19.20. AREA 14—AIR-TO-AIR

19.20.1. **Q.** Provided essential information in an approved, briefed or requested format. Provided timely and accurate target information. Made threat calls to appropriate aircraft IAW AFTTP 3-1. Adhered to mission brief. Ensured no unreported threats engaged friendly aircraft.

19.20.2. **Q-.** Provided essential information, target information and threat calls to aircraft as requested with errors or omissions that did not jeopardize mission accomplishment/safety.

19.20.3. **U.** Failed to provide essential information in a timely or accurate manner. Failed to make threat calls as required. Failed to adhere to the mission brief. Friendly aircraft were engaged by unreported threats. Mission accomplishment/safety was or could have been adversely affected.

19.21. AREA 15—AIR REFUELING

19.21.1. **Q.** Provided tactical control to all aircraft. Prioritized refueling activity. Adjusted commands as necessary to ensure a timely and successful rendezvous.

19.21.2. Q-. Provided tactical control to all aircraft. Prioritized refueling activity. Adjusted commands as necessary to ensure a timely and successful rendezvous with errors or omissions that did not jeopardize mission accomplishment/safety but may have impacted/delayed a timely rendezvous.

19.21.3. U. Failed to provide tactical control to all aircraft. Did not prioritize refueling activity. Failed to adjust commands as required.

19.22. AREA 16—CHECK-IN

19.22.1. Q. Provided guidance to all aircraft IAW published local directives. Transmissions were clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives as applicable.

19.22.2. Q-. Provided guidance to all aircraft IAW published local directives. Transmissions were clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives when applicable, with errors or omission that did not jeopardize mission accomplishment/safety.

19.22.3. U. Failed to demonstrate thorough knowledge or effective application of appropriate R/T brevity code words or communication procedures. Failed to make all required safety calls IAW AFI 11-214 and published local directives. Transmissions were excessive, incomplete, broken, clipped, and repetitious or contained extraneous information. Mission accomplishment/safety was or could have been adversely affected.

19.23. AREA 17—RADIO/TELEPHONE (R/T) PROFICIENCY/COMMUNICATIONS

19.23.1. Q. Effectively applied appropriate R/T brevity code words and communication procedures. Transmissions were clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives as applicable.

19.23.2. Q-. Applied appropriate R/T brevity code words and communications. Transmissions were clear, concise, accurate and IAW AFTTP 3-1, AFI 11-214, and local directives when applicable, with errors or omission that did not jeopardize mission accomplishment/safety.

19.23.3. U. Failed to demonstrate thorough knowledge or effective application of appropriate R/T brevity code words or communication procedures. Transmissions were excessive, incomplete, broken, clipped, and repetitious or contained extraneous information. Mission accomplishment/safety was or could have been adversely affected.

19.24. AREA 18—POSITIONAL CHANGE OVER BRIEF

19.24.1. Q. Briefed the relieving AWO/WD or SD on the current operational situation IAW squadron standards and positional aids.

19.24.2. Q-. Briefed the relieving AWO/WD or SD on the current operational situation. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

19.24.3. U. Failed to brief the relieving AWO/WD or SD on the current operational situation. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

19.25. AREA 19—WEAPONS CONTROL SUPERVISION (SD ONLY) (CRITICAL)

19.25.1. **Q.** Effectively managed the local flying environment, adequately monitored mission execution, provided timely and effective direction to control team, and ensured flight safety. Effectively scheduled weapons teams.

19.25.2. **U.** Failed to effectively manage the local flying environment, adequately monitor mission execution, failed to provide timely and adequate direction to control team, and/or did not take timely actions to ensure flight safety. Failed to effectively schedule weapons teams to control all missions. Flying safety and/or mission accomplishment/safety was or could have been jeopardized.

19.26. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

19.26.1. **AREA 20—INSTRUCTIONAL ABILITY**

19.26.2. **AREA 21—BRIEFINGS/CRITIQUE**

19.26.3. **AREA 22—DEMONSTRATION AND PERFORMANCE**

Chapter 20

KOREAN THEATER AIR CONTROL SYSTEM DATA SYSTEM TECHNICIAN QUALIFICATION EVALUATIONS

20.1. Purpose. This chapter, in conjunction with AFI 13-1STAN/EVAL Vol. 2, gives 621 ACS assigned SEE procedures and criteria to use during Data System Technician (DST) evaluations. Adherence to these procedures and criteria ensures an accurate assessment of the proficiency and capabilities of crew members.

20.2. Rating Policies. SEEs will use the rating policies in AFI 13-1STAN/EVAL Vol. 2 and this chapter for conducting all evaluations (T-2). All non-critical area ratings are based on a three level rating system (Q, Q-, and U) described below. Critical grading area ratings are based on a two level rating system (Q/U) described below.

20.2.1. A Qualified area grade (Q) is the desired level of performance. The examinee demonstrates a satisfactory level of knowledge of all required information, performed duties within the prescribed tolerances and accomplishes the assigned mission with no discrepancies.

20.2.2. A Qualified-minus area grade (Q-) indicates the examinee is qualified to perform the assigned area tasks, but requires a written debriefed comment or additional training as determined by the SEE. Deviations from established standards must not exceed the prescribed Q- tolerances or jeopardize flight safety (T-3).

20.2.3. An Unqualified area grade (U) is given for performance outside allowable parameters or deviations from prescribed procedures that jeopardized mission accomplishment or compromised flight safety. An examinee receiving an area grade of "U" normally requires additional training. When, in the judgment of the SEE, additional training will not constructively improve examinee performance, it is not required, but the SEE will thoroughly debrief the examinee (T-3).

20.3. Evaluation Methods. The primary method of determining an examinee's level of knowledge and proficiency is observation of job performance on live missions. When conditions such as mission availability preclude evaluation of a particular event on a live mission, it may be evaluated by an alternate method (i.e., mission simulator, verbally or academic ground evaluation scenario) if allowed in the evaluation requirements section of this chapter. SEEs will make every effort to evaluate all required areas on a live mission before resorting to alternatives. Document alternate evaluation methods for each area in the Mission Description section of the AF Form 8. The questioning of examinees during the positional portion of the evaluation should be limited to items not easily determined by observation and related to the scenario being employed for the evaluation. (T-3)

20.4. Critical Areas. Critical grading areas are defined as events that require a degree of knowledge and proficiency essential for safety and mission accomplishment. If an examinee receives a "U" grade in any critical area, the overall grade for the evaluation will also be unqualified (T-3). Critical areas are identified by "(Critical)" following the applicable area title.

20.5. Evaluation Requirements. All areas specified in this chapter are required for a complete positional evaluation (T-3).

20.5.1. The IQE/RQE positional evaluation demonstrates the examinee's ability to operate mission systems and apply local theater guidance to effectively accomplish the mission.

20.5.1.1. The examinee will complete a written examination derived from the MAJCOM MQF and unit derived Local Operating Procedures (T-3).

20.5.1.2. The examinee will perform duties as the DST during daily flying operations to support evaluation objectives (T-3). The SEE determines whether the extent of mission activity is sufficient for evaluation purposes. The evaluation may continue on subsequent days to fully meet evaluation requirements.

20.5.2. Upon completion of MQT, Stan/Eval will administer a 25-question, written MQE (T-3). The passing score is 85 percent. Stan/Eval will maintain at least two different tests on file or utilize a computer-generated testing program (T-3). A positional evaluation is not required upon completion of MQT.

20.5.3. Upon successful completion of the MQE, give individuals CMR status and place them into CT (T-3).

20.6. Evaluation Objective. The examinee must demonstrate the ability to accomplish all DST duties safely and effectively IAW technical orders and operations directives (T-3). A rating of Q, Q- or U will be given to each area (T-2). Critical areas are rated Q or U (T-2).

Table 20.1. Evaluation Criteria

Area	Title	
1	Mission Planning	
2	Briefing/Debriefing	
3	Positional Equipment Checkout/Setup	
4	Console Operations and Positional Aids	
5	Communications Selection and Use	
6	Local Orientation	
7	INFOSEC/OPSEC	
8	COMSEC	Critical
9	Authentication Procedures	
10	Coordination	
11	Data Inputs	Critical
12	Recognizable Air Picture	
Instructor only Areas (Only required for instructor qualified crew members) (Note 1)		
13	Instructional Ability	
14	Briefings/Critique	
15	Demonstration and Performance	
Note 1: A grade of "U" in these areas results in an overall grade of 3 for the instructor portion of the evaluation		

20.7. AREA 1—MISSION PLANNING

20.7.1. **Q.** Planned mission activities by determining mission taskings. Solicited feedback to check understanding of mission requirements. Assisted the crew in formulating plans to accomplish mission taskings. Thoroughly critiqued plans to identify potential problem areas.

Checked understanding of possible contingencies. Read and initialed for all items in the FCIF and read files.

20.7.2. Q-. Performed/assisted mission planning as described in **Paragraph 20.7.1** with errors or omissions that did not jeopardize mission accomplishment.

20.7.3. U. Performed/assisted mission planning as described in **Paragraph 20.7.1** with errors or omissions that jeopardized mission accomplishment. Failed to read and initial for all items in the FCIF and read files.

20.8. AREA 2—BRIEFING/DEBRIEFING

20.8.1. Q. Attended all required briefings/debriefings and extracted/provided all necessary information. Provided positive and negative feedback. Provided specific, objective, non-threatening feedback on team and individual performance. Provided specific ways to correct errors. Asked for reactions and inputs from others.

20.8.2. Q-. Attended all required briefings/debriefings. Extracted/provided all necessary information with errors or omissions that did not jeopardize mission accomplishment.

20.8.3. U. Failed to attend required briefings/debriefings. Extracted/provided all necessary information with errors or omissions that jeopardized mission accomplishment.

20.9. AREA 3—POSITIONAL EQUIPMENT CHECK-OUT/SET-UP

20.9.1. Q. Set up and checked out of status for console, communications and other operator-tasked equipment to ensure operation was IAW directives.

20.9.2. Q-. Set up and checked out of console, communications and other operator-tasked equipment to ensure operation was IAW directives with errors or omissions which did not jeopardized mission accomplishment/safety.

20.9.3. U. Lacked critical knowledge of console, communications and other operator-tasked equipment functions and controlled of positional equipment. Operational status of equipment was not verified or equipment discrepancies were not noted or reported. Mission accomplishment/safety was or could have been adversely affected.

20.10. AREA 4—CONSOLE OPERATIONS AND POSITIONAL AIDS

20.10.1. Q. Interpreted/initiated use of appropriate windows and buttons. Ensured update of data for console displays, and responded to prompts IAW directives. Effectively used and interpreted available positional aids.

20.10.2. Q-. Interpreted/initiated use of appropriate windows and buttons. Ensured update of data for console displays, and responded to prompts IAW directives and effectively used and interpreted available positional aids IAW directives with errors or omissions which did not jeopardized mission accomplishment/safety.

20.10.3. U. Failed to interpret/initiate use of appropriate windows and buttons. Failed to ensure update of data for console displays, or respond to prompts IAW directives with errors or omissions which jeopardize mission accomplishment/safety.

20.11. AREA 5—COMMUNICATION SELECTIONS AND USE

20.11.1. **Q.** Selected and operated communications equipment to include primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives.

20.11.2. **Q-.** Selected and operated communications equipment to include primary, secondary, and secure systems IAW performance capabilities, mission tasking and directives with errors or omissions which did not jeopardize mission accomplishment/safety.

20.11.3. **U.** Examinee lacked critical knowledge to effectively utilize dedicated communication systems. Made major omissions or errors. Mission accomplishment/safety was or could have been adversely affected.

20.12. AREA 6—LOCAL ORIENTATION

20.12.1. **Q.** Demonstrated the required knowledge of local procedures, airspace structure and geographical fixes.

20.12.2. **Q-.** Demonstrated the required knowledge of local procedures, airspace structure and geographical fixes with errors or omission which did not jeopardize mission accomplishment/safety.

20.12.3. **U.** Failed to demonstrate adequate knowledge of local procedures, airspace structure and geographical fixes. Mission accomplishment/safety was or could have been adversely impacted.

20.13. AREA 7—INFORMATION SECURITY/OPERATIONS SECURITY (INFOSEC/OPSEC)

20.13.1. **Q.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications.

20.13.2. **Q-.** Employed INFOSEC and ensured OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that did not adversely affect mission accomplishment/safety.

20.13.3. **U.** Failed to employ INFOSEC and ensure OPSEC controls were maintained IAW appropriate publications. Committed errors or omissions that could have jeopardized mission accomplishment/safety.

20.14. AREA 8—COMMUNICATIONS SECURITY (COMSEC) (CRITICAL)

20.14.1. **Q.** Used and controlled COMSEC IAW established procedures.

20.14.2. **U.** Failed to use and control COMSEC IAW established procedures.

20.15. AREA 9—AUTHENTICATION PROCEDURES

20.15.1. **Q.** Authenticated voice transmission within time limits specified on authenticators.

20.15.2. **Q-.** Authenticated voice transmission within time limits specified on authenticators. Committed errors or omissions that did not jeopardize mission accomplishment.

20.15.3. **U.** Unable to authenticate voice transmissions within time limits specified on authenticators. Committed errors or omissions that jeopardized mission accomplishment.

20.16. AREA 10—COORDINATION

20.16.1. **Q.** Coordinated and reported all requirements, mission changes, and equipment discrepancies and limitations IAW directives. All necessary information passed to the appropriate crew member or external agency in a timely manner.

20.16.2. **Q-.** Coordinated and reported all requirements, mission changes, and equipment discrepancies and limitations IAW directives with errors or omissions which did not jeopardize mission accomplishment/safety.

20.16.3. **U.** Failed to coordinate and report all requirements, mission changes, equipment discrepancies and limitations to the appropriate crew member or external agency. Lack of teamwork adversely affected mission accomplishment/safety.

20.17. AREA 11—DATA INPUTS (CRITICAL)

20.17.1. **Q.** Recognized, reported, and took action to correct degraded and erroneous data inputs.

20.17.2. **U.** Failed to recognize, report, and take action to correct degraded and erroneous data inputs. Mission accomplishment/safety was or could have been adversely affected.

20.18. AREA 12—RECOGNIZABLE AIR PICTURE

20.18.1. **Q.** Monitored the recognizable air picture and took action to ensure optimum air picture is maintained IAW directives.

20.18.2. **Q-.** Monitored the recognizable air picture and took action to ensure optimum air picture is maintained IAW directives with errors or omissions that did not jeopardize mission accomplishment/safety.

20.18.3. **U.** Failed to monitor the recognizable air picture and take action to ensure optimum air picture is maintained IAW directives. Mission accomplishment/safety was or could have been adversely affected.

20.19. The following areas are applicable to periodic evaluations of instructors. Specific criteria are included in **Paragraphs 2.3-5** of this instruction.

20.19.1. **AREA 13—INSTRUCTIONAL ABILITY**

20.19.2. **AREA 14—BRIEFINGS/CRITIQUE**

20.19.3. **AREA 15—DEMONSTRATION AND PERFORMANCE**

BURTON M. FIELD, Lt Gen, USAF
DCS, Operations, Plans & Requirements

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

AFPD 10-9, *Lead Command Designation and Responsibilities for Weapon Systems*

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

AFI 11-214, *Air Operations Rules and Procedures*

AFI 13-1STAN/EVAL Volume 2, *Ground Command and Control Systems Standardization/Evaluation Program-Organization and Administration*

AFI 33-360, *Publications and Forms Management*

AFMAN 33-363, *Management of Records*

AFTTP 3-1 *General Planning*

Prescribed Forms

AF Form 8, *Certificate of Aircrew Qualification*

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ABM—Air Battle Manager

ACC—Air Combat Command

ACF—Air Control Flight

ACO—Airspace Control Order

ACS—Air Control Squadron

ACT—Air Combat Training

ADS—Air Defense Sector

ADS—Air Defense Squadron

AFI—Air Force Instruction

AFPD—Air Force Policy Directive

AFSC—Air Force Specialty Code

ANG—Air National Guard

AO—Area of Operations

AOR—Area of Responsibility

ASO—Air Surveillance Officer

AST—Air Surveillance Technician

ATC—Air Traffic Control

ATO—Air Tasking Order
AWO—Air Weapons Officer
BMC—Basic Mission Capable
BQ—Basic Qualified
C2—Command and Control
CAP—Combat Air Patrol
CC—Commander
CMR—Combat Mission Ready
COMSEC—Communications Security
CONPLAN—Contingency Plan
CONUS—Continental United States
DACT—Dissimilar Air Combat Training
DOD—Department of Defense
DOT—Directorate of Operations, Training
DST—Data Systems Technician
EA—Electronic Attack
EAC—Emergency Actions Coordinator
EOB—Enemy Order of Battle
EP—Electronic Protection
EQ—Exceptionally Qualified
FCIF—Flight Crew Information File
HIRAOC—Hawaii Region Air Operations Center
HQ—Headquarters
HHQ—Higher Headquarters
IAW—In accordance with
ICO—Interface Control Officer
ICT—Interface Control Technician
ID—Identification
IDT—Identification Technician
IFF—Identification Friend or Foe
INFOSEC—Information Security
INTSR—Instructor

IQE—Initial Qualification Evaluation
ITO—Integrated Tasking Order
JASDF—Japanese Air Self Defense Forces
LOA—Letters of Agreement
LP—Local Procedures
MAJCOM—Major Command
MEDEVAC—Medical Evacuation
MCC—Mission Crew Commander
MCCT—Mission Crew Commander Technician
MQE—Mission Qualification Evaluation
MQF—Master Question File
MQT—Mission Qualification Training
MSN—Mission
N/A—Not Applicable
NAF—Numbered Air Force
NGB—National Guard Bureau
NM—Nautical mile
OCR—Office of Collateral Responsibility
OIF—Operations Information File
OPCON—Operational Control
OPORD—Operations Order
OPR—Office of Primary Responsibility
OPSEC—Operations Security
PACAF—Pacific Air Forces
PR—Personnel Recovery
Q—Qualified
QC—Quality Control
QUAL—Qualification
RDS—Records Disposition Schedule
R/T—Radio/Telephone
ROE—Rules of Engagement
RQ—Requalification

RQE—Requalification Evaluation
SA—Situational Awareness
SAR—Search and Rescue
SD—Senior Director
SDT—Senior Director Technician
SEE—Standardization/Evaluation Examiner
SIF—Selective Identification Feature
SITREP—Situation Report
SPINS—Special Instructions
TBM—Theater Ballistic Missile
TCOT—Tactical Control Operations Team
TI—Tactical Intercept
TT—Tracking Technician
U—Unqualified
WD—Weapons Director
WDT—Weapons Director Technician
WX—Weather