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1. Purpose. To publish standards and regulations regarding the training of Tactical Air Command Center Current Operations crews per the reference.

2. Information. Highlights of major training and readiness planning considerations included in this T&R Manual are as follows:

a. The progression diagram for both the officers and enlisted has been modified to reflect the Information Management Officer (IMO).

b. The Combat Leader designations were amended to TACC OIC and Chief vice Senior Air Coordinator, Joint Interface Control Officer, and Crew Chief.

c. Core Skills have been changed from Academic, Equipment, C2 Systems, and Planning to the Current Operations positions.

d. Added two additional planning events and two additional Core Plus events.

e. Established Appendix A consisting of all encompassing Marine Tactical Air Command Squadron Table of Organization in order to reflect both the support personnel and the Current Operations crew members required to operate and maintain the TACC.

f. Moved all Academic Events to the 8000 Phase to facilitate MACCS training standardization.

g. The Senior Watch Officer designation was removed from the Manual. This position will be addressed in the ACE Battlestaff T&R Manual.

h. Removed ATO Development from Core Plus Phase.

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3. Recommendations. Recommended changes to this Manual are invited, and may be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General, Training and Education Command, Aviation Training Division using standard Naval correspondence or the Automated Message Handling System plain language address: CG TECOM ATB.

4. Reserve Applicability. This Manual is applicable to the Marine Corps Total Force.

5. Certification. Reviewed and approved this date.



R. C. FOX
By direction

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CHAPTER 1

(72XX) MARINE TACTICAL AIR COMMAND SQUADRON
TRAINING AND READINESS UNIT REQUIREMENTS

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CHAPTER 1

(72XX) MARINE TACTICAL AIR COMMAND SQUADRON
TRAINING AND READINESS UNIT REQUIREMENTS

100. 72XX MTACS UNIT TRAINING AND READINESS REQUIREMENTS. The goal of Marine Aviation is to attain and maintain combat readiness to support expeditionary maneuver warfare while conserving resources. The standards established in this program are validated by subject matter experts to maximize combat capabilities for assigned Mission Essential Tasks (METs). These standards describe and define unit capabilities and requirements necessary to maintain proficiency in Mission Skills and Combat Leadership. Training events are based on specific requirements and performance standards to ensure a common base of training and depth of combat capability.

101. MISSION. Support the MAGTF Commander by providing equipment, maintenance, and operations for the Tactical Air Command Center (TACC) of the Aviation Combat Element (ACE), as a component of the Marine Air Ground Task Force (MAGTF). Equip, man, operate and maintain the Current Operations Organization of the TACC. Provide and maintain a facility for the TACC Future Operations Organization, and install and maintain associated automated systems.

102. TABLE OF ORGANIZATION (T/O). Refer to UICs M01143, M01145, and M0144 managed by Total Force Structure for current authorized organizational structure and personnel strength. Information below depicts the MTACS T/O information for the UICs listed previously as of the date of this directive. This CMMR reflects two crews capable of sustaining 24-hour operations. UICs M01521 and M01526 are not considered in this table. Appendix A is provided for to not only account for the plus-up in manning for MTACS-28 and 38, but also depict vital manning requirements needed to support TACC current operations.

MTACS 18, 28, and 38 T/O # 8620			
OFFICERS	-	7202	4
	-	7220	1
	-	7210	6
	-	7204	1
	-	7208	3
ENLISTED	-	7236	6
	-	7242	10
	-	7234	8
MTACS 48 T/O #8620A			
OFFICERS	-	7202	4
	-	7220	1
	-	7210	6
	-	7204	1
	-	7208	3
ENLISTED	-	7236	6
	-	7242	10
	-	7234	8
MTACS Current Operations Crew			
(1) Senior Air Coordinator			
(1) Close Battle Coordinator			

(1) Air Defense Coordinator
(1) Airspace Control Officer
(1) Interface Control Officer
(1) Crew Chief
(1) Track Data Coordinator
(6) TACC Operator

103. CORE SKILL, MISSION SKILL AND CORE PLUS SKILL ABBREVIATIONS

Core Skills Abbreviations	
SAC	Senior Air Coordinator
CBC	Close Battle Coordinator
ADC	Air Defense Coordinator
ACO	Airspace Control Officer
ICO	Interface Control Officer
CC	Crew Chief
TDC	Track Data Coordinator
OPTR	TACC Operator
Mission Skills	
COPS	TACC Current Operations
INFR	TACC Infrastructure
Core Plus Skills	
DBC	Deep Battle Coordinator
PRC	Personnel Recovery Coordinator

104. CORE METL AND CORE METL OUTPUT STANDARDS

1. Core METL. A standardized list of specified tasks a unit was designed to perform. Selected tasks are drawn from the Marine Corps Task List (MCTL) and are standardized by unit type.

2. Core METL Output Standards. The required level of performance a unit must be capable of sustaining during contingency/combat operations by MET to be considered MET-ready. Output standards will be demonstrated through the incorporation of unit training events.

Core METL Output Standards			
MCT	MET	Output Standard	Total CMMR Crews
5.3.2.7	Conduct TACC current operations	Able to provide sustained operations	2
		Able to execute and assess the current air tasking order	
		Able to monitor and direct subordinate MACCS agencies in the execution of their tasks	
		Able to manage direct air assets in support of the close, rear and deep battle areas	
		Able to coordinate air operations between the MACCS and joint / combined / coalition / host nation command and control agencies	
		Able to plan, develop, coordinate airspace coordinating measures in support of MAGTF operations	
		Able to coordinate the recovery of isolated personnel and aircraft	
		Able to receive and display the common tactical picture	

		Able to promulgate and execute air operations plans and orders	
5.3.2.7.5	Provide TACC Infrastructure	Able to provide equipment and facilities for COPS, FOPS, FPLANS and ACI for the ace commander and the battlestaff to plan supervise coordinate and execute MAGTF air operations	2
		Able to establish voice and data connectivity with subordinate MACCS agencies and higher headquarters, joint and coalition forces	

105. CORE METL TO CORE SKILLS/MISSION SKILL/CORE PLUS MATRIX. Provides a pictorial view of the relationship between the unit Core METL and each Core Skill, Mission Skill, and Core Plus Skills required to perform the METL.

Core METL to Core Skills/Mission Skill Matrix													
METL	CORE SKILLS								MISSION SKILLS		Core Plus Skills		
	2000								3000		4000		
	SAC	CBC	ADC	ACO	ICO	CC	TDC	OPTR	COPS	INFR	DBC	PRC	
Conduct TACC current operations	X	X	X	X	X	X	X	X	X		X	X	
Provide TACC infrastructure						X	X	X		X			

106. CMMR CORE AND MISSION SKILLS CREW DEFINITION AND PROFICIENCY REQUIREMENTS. These tables delineate crew position and proficiency requirements for each Core and Mission Skill. The numbers associated with each crew position column reflect the number of Core and Mission Skill Proficient individuals required. Each MTACS has a CMMR of two Core and Mission skill proficient crews. CMMR is based upon individuals trained to the defined levels of proficiency to support the below skills and is not based upon qualifications. The MTACS typically will deploy with a three crew rotation to support combat operations. The intent of this CMMR is for the unit to possess enough proficient crew members to be allocated across the typical three crew deployment structure.

a. The below Core Skill table reflects the MOS to crew position linkage provided by the MTACS T/O. Core Skill proficient individuals provide the baseline skills upon which Mission Skill training builds.

Core Skills (2000 Phase)								
Core Skills	AC2 (7202)	LAAD (7204)	ASCO (7208)	ADCO (7210)	ATCO (7220)	ACEO (7234)	TADC (7236)	ASOO (7242)
SAC	2							
CBC			2					
ADC		1		1				
ACO			1		1			
ICO				2				
CC							1	1
TDC						2		
OPTR						6		6

b. The below Mission Skill table reflects the crew position requirements to support the unit's METs. Two Mission Skill proficient crews provide the capability for an MTACS to

support combat operations.

Mission Skills (3000 Phase)								
Mission Skills	SAC	CBC	ADC	ACO	ICO	CC	TDC	OPTR
COPS	2	2	2	2	2	2	2	12
INF	0	0	0	0	0	2	2	12

107. CMMR CORE PLUS SKILL CREW DEFINITION AND PROFICIENCY REQUIREMENTS. This table delineates crew position and proficiency requirements for each Core Plus Skill. The numbers associated with each crew position column reflect the number of Core Plus Skill Proficient individuals required.

Core Plus Skills (4000 Phase)								
Core Plus Skills	AC2 (7202)	LAAD (7204)	ASCO (7208)	ADCO (7210)	ATCO (7220)	ACEO (7234)	TADC (7236)	ASOO (7242)
DBC	0	0	1	1	0	0	0	0
PRC	0	0	1	1	0	0	0	0

108. CMMR COMBAT LEADERSHIP REQUIREMENTS. At a minimum, in order to be considered core competent, a unit must possess the following numbers of personnel with the listed combat leadership designations. These combat leadership designations are intended to represent an additional level of expertise required of unit leaders beyond the tactical crew position skills. These individuals are required for the deployment and employment of the tactical agency. These are skills which have been purposefully separated from tactical crew position requirements to allow individuals focus on requirements for crew qualifications and later address requirements for the unit. While only a single officer and enlisted are required for the CMMR, the training events which support these individuals are available to the entire unit.

Combat Leadership	
Designation	Totals
Officer In Charge	1
Chief	1

109. UNIT INSTRUCTOR REQUIREMENTS. A unit should possess the following numbers of personnel with instructor designations listed in the table.

Unit Instructor	
Designation	Totals
Basic Instructor (BI)	2
Senior Instructor (SI)*	2
Weapons & Tactics Instructor* (WTI)	2
*Note: (1) SAC, (1) CC	

110. ORDNANCE REQUIREMENTS. None.

111. TRAINING RESOURCE REQUIREMENTS. Simulation system support to the level that puts MTACS operators through MAGTF/Joint/Coalition level planning and execution to include simulated interaction with a completely fielded and joint/coalition integrated MACCS.

Chapter 2

MARINE TACTICAL AIR COMMAND SQUADRON/72XX
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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CHAPTER 2

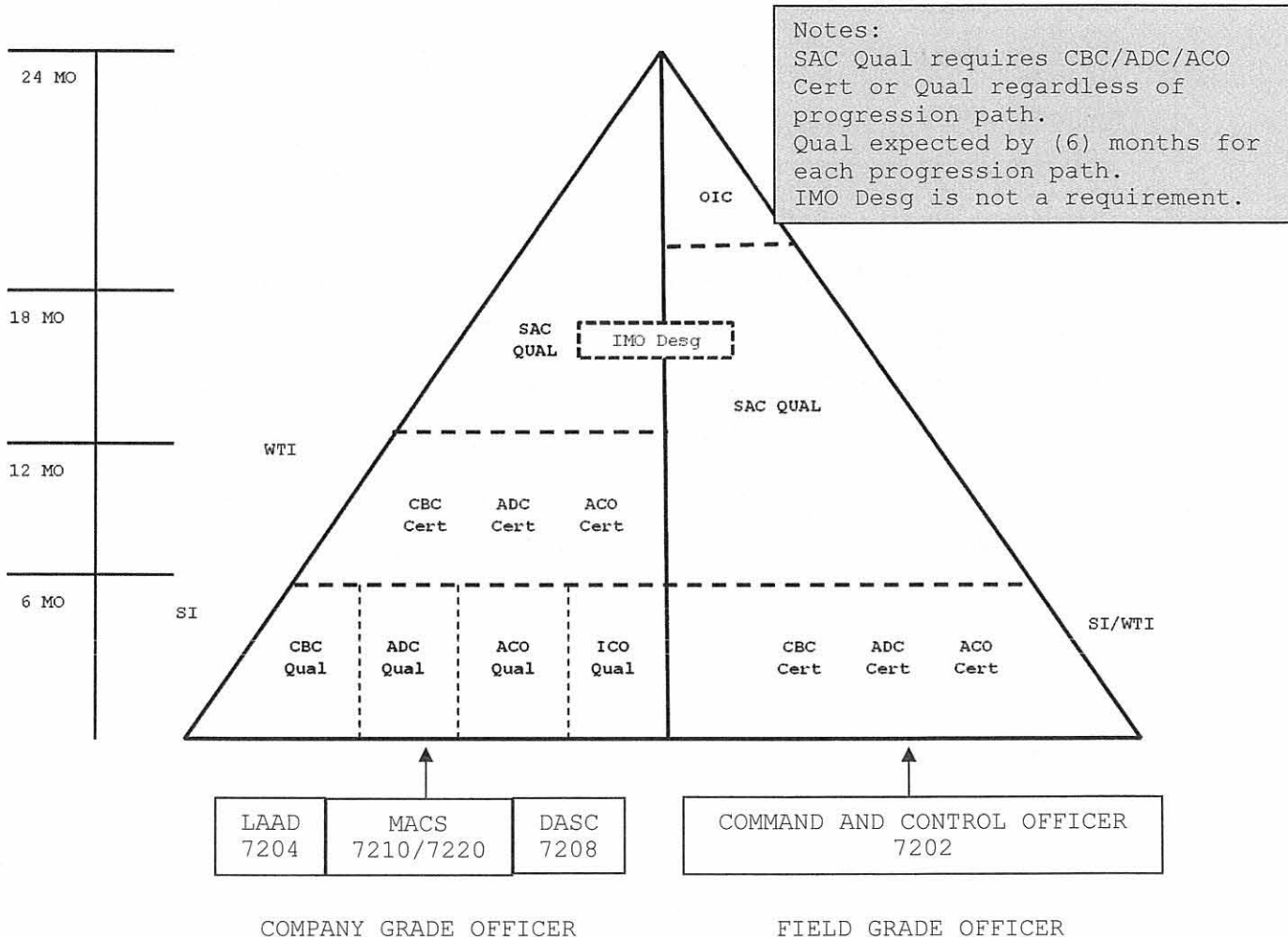
MARINE TACTICAL AIR COMMAND SQUADRON/72XX
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

200. MTACS/72XX INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

201. 72XX TRAINING PROGRESSION MODELS

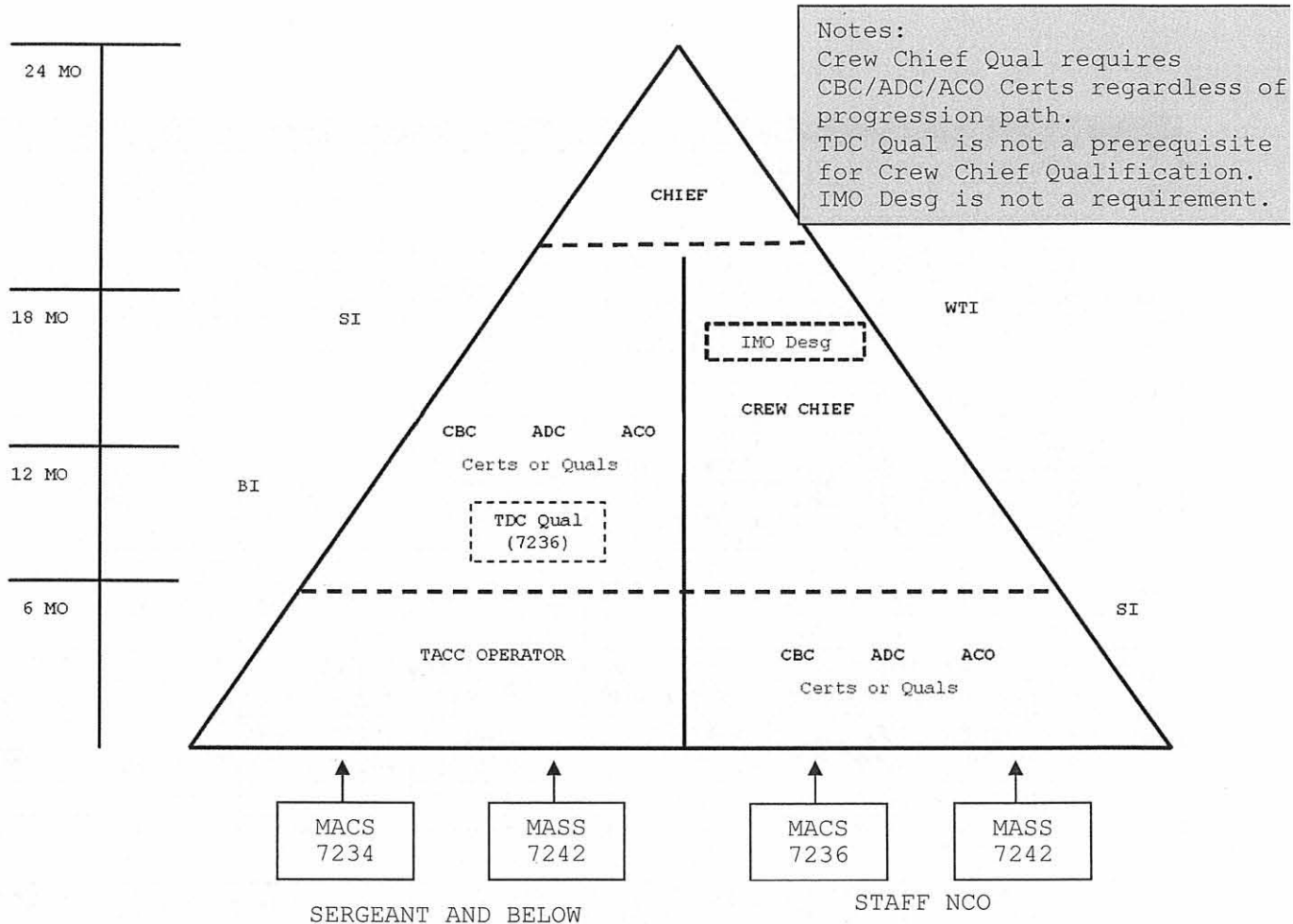
- a. This model represents the recommended training progression for the average 72XX officer crewmember. Units should use the model as a point of departure to generate individual training plans.

Officer Training Progression



b. This model represents the recommended training progression for the average 72XX enlisted crewmember. Units should use the model as a point of departure to generate individual training plans.

Enlisted Training Progression



202. INDIVIDUAL CORE SKILL PROFICIENCY (CSP) REQUIREMENTS

1. Core Skill training consists of 2000 phase events that develop fundamental skills which crew members train to individually. The attainment of these Core Skills provide the trainee with essential building block skill sets required to proceed to advanced Mission Skill training. Core Skills directly support the unit Mission Essential Task List (METL).

2. Events Required to Attain and Maintain Individual CSP

a. To initially achieve CSP in a Core Skill, an individual must simultaneously have a proficient status in all 2000 phase Core Skill events as delineated by crew position in the table below.

b. To maintain CSP in a Core Skill, an individual must maintain proficiency in all 2000 phase Core Skill events as delineated by crew position in the following table.

Core Skill Attain and Maintain Table							
SAC	ACAD 2000	EQUIP 2100	C2SYS 2901R	C2SYS 2902R	C2SYS 2905R	C2SYS 2907R	C2SYS 2909R
	C2SYS 2910R	C2SYS 2911R	C2SYS 2921R	C2SYS 2940R	ACAD 8500	ACAD 8501	ACAD 8502
	ACAD 8503	ACAD 8504	ACAD 8520	ACAD 8521	ACAD 8522		
CBC	ACAD 2000	EQUIP 2100	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R	C2SYS 2904R	C2SYS 2905R
	C2SYS 2909R	C2SYS 2910R	C2SYS 2911R	C2SYS 2912R	C2SYS 2921R	C2SYS 2940R	ACAD 8500
	ACAD 8501	ACAD 8502	ACAD 8503	ACAD 8504			
ADC	ACAD 2000	EQUIP 2100	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R	C2SYS 2904R	C2SYS 2905R
	C2SYS 2909R	C2SYS 2910R	C2SYS 2912R	C2SYS 2921R	C2SYS 2940R	ACAD 8500	ACAD 8501
	ACAD 8502	ACAD 8503	ACAD 8504				
ACO	ACAD 2000	EQUIP 2100	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R	C2SYS 2904R	C2SYS 2905R
	C2SYS 2906R	C2SYS 2909R	C2SYS 2910R	C2SYS 2921R	C2SYS 2940R	ACAD 8500	ACAD 8501
	ACAD 8502	ACAD 8503	ACAD 8504				
ICO	ACAD 2000	EQUIP 2100	EQUIP 2105R	EQUIP 2110R	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R
	C2SYS 2904R	C2SYS 2905R	C2SYS 2909R	C2SYS 2910R	C2SYS 2921R	C2SYS 2940R	C2SYS 2942R
	ACAD 8500	ACAD 8501	ACAD 8502	ACAD 8503	ACAD 8504		
CC	ACAD 2000	EQUIP 2100	C2SYS 2900R	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R	C2SYS 2904R
	C2SYS 2905R	C2SYS 2906R	C2SYS 2907R	C2SYS 2908R	C2SYS 2909R	C2SYS 2910R	C2SYS 2911R
	C2SYS 2912R	C2SYS 2920R	C2SYS 2921R	C2SYS 2940R	C2SYS 2941R	ACAD 8500	ACAD 8501
	ACAD 8502	ACAD 8503	ACAD 8504	ACAD 8520	ACAD 8521	ACAD 8522	ACAD 8523
TDC	ACAD 2000	EQUIP 2100	EQUIP 2110	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R	C2SYS 2904R
	C2SYS 2905R	C2SYS 2909R	C2SYS 2910R	C2SYS 2921R	C2SYS 2940R	C2SYS 2942R	ACAD 8500
	ACAD 8501	ACAD 8502	ACAD 8503	ACAD 8504			
OPTR	ACAD 2000	EQUIP 2100	C2SYS 2901R	C2SYS 2902R	C2SYS 2903R	C2SYS 2904R	C2SYS 2905R
	C2SYS 2909R	C2SYS 2910R	C2SYS 2911R	C2SYS 2920R	C2SYS 2921R	C2SYS 2940R	C2SYS 2941R
	ACAD 8500	ACAD 8501	ACAD 8502	ACAD 8503	ACAD 8504		
OIC	ACAD 2010	PLNG 2300	PLNG 2320	PLNG 2340	PLNG 2360	PLNG 2380	PLNG 2400
	PLNG 2420	PLNG 2440	PLNG 2460	PLNG 2500	PLNG 2520		
CHF	ACAD 2010	PLNG 2300	PLNG 2320	PLNG 2340	PLNG 2360	PLNG 2380	PLNG 2400
	PLNG 2420	PLNG 2440	PLNG 2460	PLNG 2500	PLNG 2520		
Note: R = Refresher POI							

203. INDIVIDUAL MISSION SKILL PROFICIENCY (MSP) REQUIREMENTS

1. Mission Skill training consists of 3000 phase events that develop an individual's ability to operate as part of a MTACS crew. Mission Skills directly support the unit METLs.

2. A Mission Skill Proficient (MSP) crew consists of individuals representing each crew position who have achieved and maintain individual MSP. To be

considered proficient in a Mission Skill, an individual must attain and maintain proficiency in Mission Skill events as delineated in the below paragraphs.

3. Events Required to Attain Individual MSP

a. To initially attain MSP in a Mission Skill, an individual must simultaneously have a proficient status in all 2000 phase Core Skill and 3000 phase Mission Skill events delineated by crew position in the Mission Skill Attain and Maintain table below.

b. To maintain MSP in a Mission Skill, an individual must maintain proficiency in all 3000 phase Mission Skill events delineated by crew position in the Mission Skill Attain and Maintain table below.

Mission Skill Attain and Maintain Table							
	COPS						INFR
SAC	ACAD 3001	INTRO 3101	CREW 3201	CREW 3301R	CREW 3401R	CREW 3700R	
	MGMT 3801R	MGMT 3901R	CERT 6102*	CERT 6103*	CERTY 6104*	ACAD 8540	
	ACAD 8541	ACAD 8542	ACAD 8543	ACAD 8544	ACAD 8545	ACAD 8546	
	ACAD 8547	ACAD 8548	ACAD 8549	ACAD 8641	ACAD 8665	ACAD 8660	
	ACAD 8661	ACAD 8662	ACAD 8663	ACAD 8664			
CBC	ACAD 3002	INTRO 3102	CREW 3302R	CREW 3402R	CREW 3700R	MGMT 3802R	
	MGMT 3902R	ACAD 8540	ACAD 8541	ACAD 8542	ACAD 8543	ACAD 8544	
	ACAD 8545	ACAD 8546	ACAD 8547	ACAD 8548	ACAD 8549	ACAD 8560	
	ACAD 8561	ACAD 8562	ACAD 8642	ACAD 8662			
ADC	ACAD 3003	INTRO 3103	CREW 3303R	CREW 3403R	CREW 3700R	MGMT 3803R	
	MGMT 3903R	ACAD 8540	ACAD 8541	ACAD 8542	ACAD 8543	ACAD 8544	
	ACAD 8545	ACAD 8546	ACAD 8547	ACAD 8548	ACAD 8549	ACAD 8563	
	ACAD 8564	ACAD 8565	ACAD 8566	ACAD 8567	ACAD 8580	ACAD 8581	
	ACAD 8582	ACAD 8583	ACAD 8584	ACAD 8640			
ACO	ACAD 3004	INTRO 3104	CREW 3304R	CREW 3404R	CREW 3700R	ACAD 8540	
	ACAD 8541	ACAD 8542	ACAD 8543	ACAD 8544	ACAD 8545	ACAD 8546	
	ACAD 8547	ACAD 8548	ACAD 8549	ACAD 8568	ACAD 8569	ACAD 8570	
	ACAD 8620	ACAD 8621					
ICO	ACAD 3005	INTRO 3105	CREW 3305R	CREW 3405R	CREW 3700R	MGMT 3905R	
	ACAD 8540	ACAD 8541	ACAD 8542	ACAD 8543	ACAD 8544	ACAD 8545	
	ACAD 8546	ACAD 8547	ACAD 8548	ACAD 8549	ACAD 8600	ACAD 8601	
	ACAD 8602	ACAD 8603	ACAD 8604	ACAD 8605	ACAD 8606	ACAD 8607	
	ACAD 8608	ACAD 8609	ACAD 8610				
CC	ACAD 3006	INTRO 3106	CREW 3206	CREW 3306R	CREW 3406	CREW 3700R	CREW 3500
	CERT 6102*	CERT 6103*	CERT 6104*	ACAD 8540	ACAD 8541	ACAD 8542	CREW 3600
	ACAD 8543	ACAD 8544	ACAD 8545	ACAD 8546	ACAD 8547	ACAD 8548	
	ACAD 8549	ACAD 8641	ACAD 8660	ACAD 8661			
TDC	ACAD 3007	INTRO 3107	CREW 3307R	CREW 3700R	ACAD 8540	ACAD 8541	CREW 3500
	ACAD 8542	ACAD 8543	ACAD 8544	ACAD 8545	ACAD 8546	ACAD 8547	CREW 3600
	ACAD 8548	ACAD 8549	ACAD 8600	ACAD 8601	ACAD 8602	ACAD 8603	
	ACAD 8605	ACAD 8606	ACAD 8607	ACAD 8608	ACAD 8610		
OPTR	INTRO 3108	CREW 3308R	CREW 3700R				CREW 3500
							CREW 3600

Note: R = Refresher POI

* = Due to M-SHARP database constraints the current system is unable to run a Certification event when a crew member completes a Qualification event. The SAC and CC positions require either

a CERT or a QUAL in CBC, ADC, and ACO in accordance with the progression diagrams. Due to the restraints of the system only CERTs are listed in this table as SAC and CC requirements. The intent of this manual is that when a crew member receives a QUAL in one of the aforementioned positions that crew member will also receive the corresponding CERT.

204. INDIVIDUAL CORE PLUS SKILL PROFICIENCY REQUIREMENTS. Proficiency in Core Plus Skills is not required to obtain unit CSP. This phase contains training standards applicable to integrated missions, unique mission areas, geographic specific training, or mission areas having a low probability of execution. TACC crew positions traditionally filled by aviators and C2 systems not currently identified as systems of record are included in this phase. Although Core Plus training events may provide valuable training opportunities, they do not affect the unit CSP.

1. Events Required to Attain and Maintain Individual Proficiency in Core Plus Skills

a. Proficiency in Core Plus Skills is not required to obtain unit CSP. Training to Core Plus Skills is at the discretion of the unit commanding officer. To initially attain proficiency in a Core Plus Skill, an individual must simultaneously have a proficient status in all Core Plus Skill events delineated by crew position in the Core Plus Attain and Maintain table below.

b. To maintain proficiency in a Core Plus Skill, an individual must maintain proficiency in the Core Plus 4000 phase event delineated in the Core Plus Attain and Maintain table below.

Core Plus Attain and Maintain		
DBC		PRC
ACAD 4012	ACAD 8662	INTRO 4113
INTRO 4112	ACAD 8663	CREW 4313
CREW 4312	ACAD 8664	CREW 4413
CREW 4412		MGMT 4713
MGMT 4712		
MGMT 4812		

Note: R = Refresher POI

205. CERTIFICATION, QUALIFICATION AND DESIGNATION. The tables below delineate T&R events required to attain proficiency required for certifications, qualifications, or designations. In addition to event requirements, all required stage prerequisites and other criteria shall be completed prior to completing final events. Qualification and designation letters signed by the commanding officer shall be placed in Individual Performance Records (IPR). Policy on qualifications and designations is contained in paragraph 215 of the reference. Certifications do not require a letter from the commanding officer.

1. Certifications. A certification refers to the evaluation process conducted via syllabus event(s) by a designated instructor or authorized personnel for the purpose of assessing individual skills as a prerequisite to qualification or designation. For aviation ground communities, a certification also serves as a "one-time" assessment of proficiency for a given skill or position that may or may not lead to a qualification and does not expire, specifics shall be noted in community T&Rs.

2. Qualifications. Qualifications are assigned to personnel based on demonstrated proficiency in a specific skill. All qualifications are assigned one or more T&R qualification events. When all qualification requirements and events are completed, the individual may be granted the respective qualification by the commanding officer. Proficiency status of these qualification events are used to determine qualification status; an individual qualification status may be either "Qualified" or "Not Qualified."

3. Designations. Designations are assigned to individuals based on leadership ability. Other publications may be referenced to delineate additional designation training criteria. When all designation training requirements are completed, the individual may be granted the respective designation by the commanding officer.

Certifications (CERT) Table							
CERT	Event Code	Requirement					
CBC	6102	ACAD 2000	EQUIP 2100	C2SYS 2901	C2SYS 2902	C2SYS 2903	C2SYS 2904
		C2SYS 2905	C2SYS 2909	C2SYS 2910	C2SYS 2911	C2SYS 2912	C2SYS 2921
		C2SYS 2940	ACAD 3002	INTRO 3102			
ADC	6103	ACAD 2000	EQUIP 2100	C2SYS 2901	C2SYS 2902	C2SYS 2903	C2SYS 2904
		C2SYS 2905	C2SYS 2909	C2SYS 2910	C2SYS 2911	C2SYS 2912	C2SYS 2921
		C2SYS 2940	ACAD 3003	INTRO 3103			
ACO	6104	ACAD 2000	EQUIP 2100	C2SYS 2901	C2SYS 2902	C2SYS 2903	C2SYS 2904
		C2SYS 2905	C2SYS 2906	C2SYS 2909	C2SYS 2910	C2SYS 2921	C2SYS 2940
		ACAD 3004	INTRO 3104				

Qualifications (QUAL) Table							
QUAL	Event Code	Requirement					
SAC	6201	ACAD 2000	EQUIP 2100	ACAD 3001	INTRO 3101	CREW 3201	CREW 3301
		CREW 3401	CREW 3700	MGMT 3801	MGMT 3901	CERT 6102	CERT 6103
		CERT 6104	ACPM 8000	ACPM 8020	ACPM 8040	ACPM 8060	ACPM 8080
		ACAD 8520	ACAD 8521	ACAD 8522			
CBC	6202	ACAD 2000	EQUIP 2100	ACAD 3002	INTRO 3102	CREW 3302	CREW 3402
		CREW 3700	MGMT 3802	MGMT 3902	ACPM 8000	ACPM 8020	ACPM 8040
		ACPM 8060					
ADC	6203	ACAD 2000	EQUIP 2100	ACAD 3003	INTRO 3103	CREW 3303	CREW 3403
		CREW 3700	MGMT 3803	MGMT 3903	ACPM 8000	ACPM 8020	ACPM 8040
		ACPM 8060					
ACO	6204	ACAD 2000	EQUIP 2100	ACAD 3004	INTRO 3104	CREW 3304	CREW 3404
		CREW 3700	ACPM 8000	ACPM 8020	ACPM 8040	ACPM 8060	
ICO	6205	ACAD 2000	EQUIP 2100	EQUIP 2105	EQUIP 2110	ACAD 3005	INTRO 3105
		CREW 3305	CREW 3405	CREW 3700	MGMT 3905	ACPM 8000	ACPM 8020
		ACPM 8040					
CC	6206	ACAD 2000	EQUIP 2100	ACAD 3006	INTRO 3106	CREW 3206	CREW 3306
		CREW 3406	CREW 3500	CREW 3600	CREW 3700	ACPM 8000	ACPM 8020
		ACPM 8040	ACPM 8060	ACPM 8080			

TDC	6207	ACAD 2000	EQUIP 2100	EQUIP 2110	ACAD 3007	INTRO 3107	
		CREW 3307	CREW 3500	CREW 3600	CREW 3700		
OPTR	6208	ACAD 2000	EQUIP 2100	INTRO 3108	CREW 3308	CREW 3500	CREW 3600
		CREW 3700	ACPM 8000	ACPM 8020	ACPM 8040		
DBC	6212	C2SYS 2901	C2SYS 2902	C2SYS 2903	C2SYS 2904	C2SYS 2905	C2SYS 2909
		C2SYS 2910	C2SYS 2911	C2SYS 2912	C2SYS 2921	C2SYS 2940	CREW 3700
		ACAD 4012	INTRO 4112	CREW 4312	CREW 4412	MGMT 4712	MGMT 4812
		ACPM 8000	ACPM 8020	ACPM 8040	ACPM 8060		
PRC	6213	C2SYS 2901	C2SYS 2902	C2SYS 2903	C2SYS 2904	C2SYS 2905	C2SYS 2909
		C2SYS 2910	C2SYS 2911	C2SYS 2912	C2SYS 2921	C2SYS 2940	CREW 3700
		INTRO 4113	CREW 4313	CREW 4413	MGMT 4713	SCHL 6011	
		ACPM 8000	ACPM 8020	ACPM 8040	ACPM 8060		

Designations (DESG) Table							
DESG	Event Code	Requirement					
JICO	6305	QUAL 6205	SCHL 6026				
OIC	6309	ACAD 2010	PLNG 2300	PLNG 2320	PLNG 2340	PLNG 2360	PLNG 2380
		PLNG 2400	PLNG 2420	PLNG 2440	PLNG 2460	PLNG 2500	PLNG 2520
		ACAD 8520	ACAD 8521	ACAD 8522	ACAD 8523		
CHF	6310	ACAD 2010	PLNG 2300	PLNG 2320	PLNG 2340	PLNG 2360	PLNG 2380
		PLNG 2400	PLNG 2420	PLNG 2440	PLNG 2460	PLNG 2500	PLNG 2520
		ACAD 8520	ACAD 8521	ACAD 8522	ACAD 8523		
IMO	6314	SCHL 6080					
BI	6320	IUT 5000	IUT 5010	IUT 5020			
SI	6321	IUT 5100	IUT 5110	IUT 5120	IUT 5130		
WTI	6322	SCHL 6000					

206. (72XX) PROGRAMS OF INSTRUCTION (POI)

1. Basic POI. The MTACS T/O&E is comprised of all MACCS (72xx) PMOSs which contain their own basic POIs. These basic POIs are governed by each PMOS' T&R Manual. Before being assigned to an MTACS, a 72xx Marine or Officer shall have completed their requisite Core Skill Introduction training and have achieved an initial qualification in their primary agency as prescribed by the applicable 72xx PMOS T&R Manual.

•	WEEKS	COURSE/LEVEL	ACTIVITY
•	1-06	Core Skill Introduction Training	7204 USMC Det., Ft Bliss
•	1-10	Core Skill Introduction Training	7208/7242 MCCES
•	1-13	Core Skill Introduction Training	7210/7234 MCCES
•	1-33	Core Skill Introduction Training	7220 NATTC
•	XX-6	Core Skill Training	Tactical Squadron
•	6-12	Mission Skill Training	Tactical Squadron
•	12-24	Core Plus Training	Tactical Squadron

Note. (XX) denotes number of weeks of training accrued in primary MOS prior to arrival at MTACS.

2. Refresher POI

<u>WEEKS</u>	<u>COURSE/LEVEL</u>	<u>ACTIVITY</u>
• 1-2	Core Skill Training	Tactical Squadron
• 2-4	Mission Skill Training	Tactical Squadron
• 4-8	Core Plus Training	Tactical Squadron

207. ACADEMIC TRAINING

1. TACC specific academic training is placed at the Core, Mission and Core Plus Skill phases of this syllabus. The proficiency attained by completing select courses provides units with the requisite skills essential to the accomplishment of the unit METL. Academics are based upon the concept of self-study where the trainee is required to read applicable publications to gain a complete understanding of stated event learning objectives. Learning objectives listed for each academic event are evaluated via a written examination.

2. Each MTACS is assigned academic modules which they are responsible for developing standardized examination questions based on the learning objectives identified for events. Examination inputs are to be submitted to the MAWTS-1 TACC Division for consolidation. The question bank will be updated on an annual basis as coordinated by the MAWTS-1. Exams will be made available to the operating forces via their respective WTTPs. The following table depicts the academic responsibilities for each squadron:

<u>Unit</u>	<u>Academic Module</u>
MTACS-18	TACC Crew Positions
"	Air Defense Operations
MTACS-28	MACCS Agencies
"	Operational Considerations
MTACS-38	Datalink Operations
"	Airspace
"	Supporting Operations
MTACS-48	TACC Generics
"	TACC Planning

Note: Units will administer locally generated exams until exams are made available through the MAWTS-1 TACC Division.

3. Core Skill 2000 Phase academic events may be conducted prior to or concurrent with other Core Skill events and consist of two modules - TACC Generics and TACC Planning. The TACC Generics academic module is designed to ensure individuals newly assigned to the MTACS have a basic understanding of the equipment and responsibilities associated with the TACC. TACC Planning academics are designed for the MTACS Combat Leaders (OIC & Chief) to ensure the unit has individuals trained to plan, deploy, and establish the agency as required.

4. Mission Skill 3000 Phase academics are prerequisites for most mission skill performance events. These academics are designed to ensure individuals attain the required requisite knowledge to execute crew positions. Portions of the TACC Mission Skill academics are drawn directly from the LAAD, TAOC, and MATC T&R manuals. The following table provides a conversion chart for the shared T&R academics. An individual must complete all events listed below from their agency T&R manual to be given credit for the single corresponding event code in the MTACS syllabus. Conversely, a trainee who completes the MTACS academic module should receive credit for all T&R events listed in the table for their primary agency:

<u>ACADEMIC MODULE</u>	<u>MTACS T&R EVENT</u>	<u>AGENCY T&R</u>	<u>AGENCY T&R EVENT</u>
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ADC	ACAD-3003	TAOC	ACAD-8665 ACAD-8670 ACAD-8705 ACAD-8710 ACAD-8745
ADC	ACAD-3003	LAAD	LDBO-134 LDBO-137 BMT-404
ACO	ACAD-3004	MATC	ACAD-8500 ACAD-8560
TDC/ICO	ACAD-3005 ACAD-3007	TAOC	ACAD-8595 ACAD-8545 ACAD-8550 ACAD-8540 ACAD-8515 ACAD-8530 ACAD-8535 ACAD-8555 ACAD-8525 ACAD-8560 ACAD-8510 ACAD-8520 ACAD-8575 ACAD-8590

5. Core Plus 4000 Phase academics are prerequisites for Core Plus Skill crew positions. These academics are designed to ensure individuals attain the required requisite knowledge to execute these crew positions. Portions of the Core Plus academic events are also prerequisites for other Current Operations crew positions. These events are not required to be completed again but are to be reevaluated as part of the crew position academic evaluation.

6. Standardized 6000 Phase tracking codes for formal courses that compliment this training syllabus are maintained in the MAWTS-1 C3 Course Catalog as "SCHL" codes. TECOM ATB publishes an annual Skills Enhancement message which lists most of these formal courses offered to MACCS operators and maintainers. Upon completion of a formal course, the "SCHL" tracking code for that course will be entered in M-SHARP and documentation filed in the IPR.. Validated formal school training required by this T&R manual in future iterations which is not TECOM funded should be addressed through the Training Input Plan (TIP) conference which is announced annually via MARADMIN. Units should work through their respective MEF/MARFOR and TECOM advocates to secure funding for these additional courses.

7. Aviation Career Progression Model (ACPM) 8000 Phase academics are integrated throughout this syllabus. These academics were developed to enhance professional understanding of Marine Aviation, the MAGTF and Joint operations to ensure individuals possess the requisite knowledge to fill essential positions in support of the ACE and MAGTF. ACPM training promotes professional growth in the MACCS community regardless of specific unit assignment. The syllabus sponsor (MAWTS-1) will manage the ACPM in an effort to maintain standardization, as such, these modules are maintained in the C3 course catalog. BI, SI or WTI qualified personnel may instruct this courseware. Recommended changes to ACPM modules or events shall be forwarded to the syllabus sponsor. Supporting material for portions of the ACPM is located on the MAWTS-1 websites at:

- a. NIPR www.intranet.tecom.usmc.mil/sites/mawts1
- b. SIPR www.mawts1.usmc.smil.mil

8. External academic courses of instruction, distance learning (DL), and mobile training teams (MTTs) that may be utilized for skill enhancement and professional development are contained within Chapter 2 of the MAWTS-1 C3 Course

Catalog (reference (b)). The C3 Course Catalog is available from the C3 Department Section of the MAWTS-1 website:

<https://www.intranet.tecom.usmc.mil/sites/mawts1/default.aspx>

208. SYLLABUS NOTES

1. General

a. The purpose of this syllabus is to provide the commander with a standardized program of instruction for MTACS 72XX personnel. The goal is to develop unit warfighting capabilities. Syllabi are structured for trainees to learn individual skills required to perform the duties of the position being trained based on specific performance standards designed to ensure proficiency in core competencies.

b. An effective T&R program is critical to the commander's ability to field a unit capable of accomplishing all of its stated Mission Essential Tasks (MET). The T&R program provides the fundamental tools for commanders to build and maintain unit CSP. Using these tools, training managers can construct and execute an effective training plan that supports the unit Mission Essential Task List (METL). The 2000 and 3000 phase events are considered essential to support the unit METL. These events are measured as part of the unit's readiness reporting.

c. In an effort to standardize training for common events across MACCS agencies and to develop baseline warfighting knowledge within the MACCS community, the MAWTS-1 C3 Course Catalog is used to maintain MACCS common T&R events, serve as a companion to this T&R manual, and maintain and standardize the programs of instruction (POI) for the following areas: Aviation Career Progression Model (ACPM), MACCS instructor concept, command and control systems (C2SYS) events, as well as standardized tracking codes for completion of selected formal schools. All MACCS common events reside in the MAWTS-1 C3 Course Catalog (reference (b)). These common events are assigned T&R event numbers that have been blocked solely for common MACCS events and shall not be used in MACCS community T&Rs; they are for the sole purpose of MACCS common events. As new MACCS common events are identified and defined, they will be added to the C3 Course Catalog. These additions may expand the numbers blocked for the new MACCS common T&R events. Deviation from subject blocked numbers is not permitted without the written consent of the C3 Division at MAWTS-1. Reference the C3 Course Catalog for an updated list of block numbers to ensure they are not used (duplicated) in this syllabus.

T&R BLOCK	MACCS COMMON TRAINING PROGRAM
5000-5150	INSTRUCTOR UNDER TRAINING (IUT)
6000-6099	STANDARDIZED TRACKING CODES FOR FORMAL SCHOOLS
6320-6329	IUT DESIGNATIONS
2900-2999 4900-4999	COMMAND AND CONTROL SYSTEMS (C2SYS)
8000-8099	AVIATION CAREER PROGRESSION MODEL (ACPM)

2. Training Personnel

a. Trainee. A trainee is an individual who is undergoing training to achieve a particular skill set, certification, qualification, or designation essential to the accomplishment of unit mission essential tasks. The trainee shall complete all event prerequisites before commencing training in the event, stage, phase, Core Skill, Mission Skill, or Core Plus Skill for which the prerequisite applies.

b. Instructor. An instructor is someone who has been designated to conduct training and evaluations. These training events and evaluations normally consist of subject areas for which they are proficient and current. Instructor designation requirements are specified in the 5000 phase of this syllabus and reference (b).

3. Program of Instruction (POI). A group of events within a syllabus that an individual is required to perform; a POI can be thought of as a subset of a T&R syllabus. The following are the two POI categories applicable to the MACCS:

a. Basic POI. Trainees will initially be assigned to the Basic POI where they will complete all required events to achieve Core and Mission Skill proficiency and be certified, qualified, or designated.

b. Refresher POI

(1) The Refresher POI consists of the R-coded events from the Basic POI. A trainee assigned to a Refresher POI shall recomplete all R-coded events required for the respective position, core, or mission skill.

(2) Due to the highly perishable nature of command and control systems (C2SYS) skills, these events are required to be refreshed every 182 days (6 months) to remain current.

(3) Training intervals for R-coded events are noted in the events and in the T&R syllabus matrix. Events shall be updated / refreshed prior to the expiration of an event or that event will become delinquent. If any R-coded event becomes delinquent, the individual cannot count towards CMMR for that Core or Mission Skill in which the R-code is delinquent. To maintain proficiency in a Core or Mission Skill, trainees must refresh R-coded events. If a trainee is absent from an MTACS billet for greater than 1095 days (3 years), the trainee shall complete all R-coded events for Core or Mission Skills specified in the assigned refresher POI to regain proficiency.

(4) Qualifications must be reacquired every 1095 days (3 yrs). If a trainee becomes delinquent in all associated qualification events, the qualification is lost. For details on maintaining or regaining qualifications refer to paragraph 215.2 of reference (a).

4. T&R Phases

a. This manual is divided into seven distinct phases with an additional phase placeholder for future use, see chapter 6 of reference (a) for a detailed description of each training phase.

PHASE	TITLE
1000	CORE SKILL INTRODUCTION (NO MTACS MOS SCHOOL)
2000	CORE SKILLS
3000	MISSION SKILLS
4000	CORE PLUS SKILLS
5000	INSTRUCTOR TRAINING
6000	CERTIFICATIONS, QUALIFICATION, DESIGNATION
7000	RESERVED FOR FUTURE USE
8000	ACPM, MACCS COMMON EVENTS

b. Within each of the above listed phases there are events that must be completed to achieve proficiency. The following matrix lists the numbering system used to identify Mission Skills, as well as, certification, qualification, and designation events by position. Some of these skills are identified by an anchor

number (i.e. CREW-3200 Crew Leadership). However, due to the unique requirements of each position in the TACC, these events are tailored to individual positions. Therefore, a unique two-digit identifier has been assigned to each MTACS COPS position as indicated in the below table (i.e. CREW-3206 Crew Leadership). This event is the Crew Leadership requirements for the Crew Chief. Each of these type events for any particular position will always end with the same final two numbers. Core Skill events are applicable to all crew positions and therefore have a general numbering sequence.

MTACS 72XX NUMBERING ASSIGNMENTS (XX00-XX19)		
EVENT CODE	ABBREV	POSITION
3X01/6X01	SAC	SENIOR AIR COORDINATOR
3X02/6X02	CBC	CLOSE BATTLE COORDINATOR
3X03/6X03	ADC	AIR DEFENSE COORDINATOR
3X04/6X04	ACO	AIRSPACE CONTROL OFFICER
3X05/6X05	ICO	INTERFACE CONTROL OFFICER
3X06/6X06	CC	CREW CHIEF
3X07/6X07	TDC	TRACK DATA COORDINATOR
3X08/6X08	OPTR	TACC OPERATOR

5. Event Training

a. Trainee. The trainee shall study, review, and practice the event requirement to achieve the event performance standard. Instructors will provide required references during training and ensure the trainee has read and understands them. All event performance standards are to be evaluated without the aid of reference.

b. Instructor. The instructor shall train all events with a comprehensive overview of the requirement, to include performance steps, emphasizing procedures and knowledge essential to the event performance standard. All event training shall terminate with the instructor debriefing the trainee on performance. This debrief will include at a minimum a comprehensive review of the trainee's performance, corrective action required to meet the standard, and a plan on how to proceed with the training. Instructors are encouraged to mentor the trainee and enter into discussions that solidify and/or broaden their understanding. Once able to perform the event proficiently, the instructor shall evaluate the trainee and ensure the event is performed to standard.

c. The Aviation T&R Program Manual addresses 'Live' versus 'Simulator' training throughout a T&R Syllabus. 'Simulated' events are events conducted in actual simulators (i.e. flight simulator). MACCS events performed as part of a drill or MISTEX event are considered 'Live' events. All events in this syllabus are considered 'Live' and are annotated as such.

d. Prerequisites. All prerequisites shall be completed prior to beginning training in an event. Distance learning courses completed as a prerequisite to event training will be documented by filing the completion certificate in the IPR.

6. Scenarios and Evaluations. Unit WTPP officers will oversee the production of scenario and evaluation training products to ensure they support the event training requirements. The MAWTS-1 C3 Department is available to assist with existing scenario materials or via formal fleet support.

7. Multiple Event Logging. There may be opportunities for trainees to accomplish the requirements of more than one event during a scheduled training evolution. Units are encouraged to take advantage of complex training opportunities that allow multiple event completion. Under all circumstances, post-event logging

(single or multiple) is allowable if the requirements for each event are accomplished per the performance standard. If multiple events are scheduled to be accomplished during a single training evolution, appropriate planning, briefing, and debriefing time must be allotted to ensure that requisite training objectives are met. Evaluators shall scrutinize scheduled events to ensure the performance standard for each event code was met.

8. Syllabus Evaluation Form. A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in reference (b) and available online at the MAWTS-1 C-3 website, <https://www.intranet.tecom.usmc.mil/sites/mawts1/default.aspx>.

9. Training Administration

a. Core Skill, Mission Skill, and Core Plus Events. Once the evaluation form is approved and signed by required signatories, the event code is logged in M-SHARP, and form/accompanying documentation is filed in the IPR, only then will the trainee be credited for completing the event.

b. Certification Events. These events shall have an evaluation form completed, approved, and signed by required signatories, the IPR reviewed by the WTTP officer to ensure all requirements were met, event logged in M-SHARP, and signed evaluation form/accompanying documentation filed in the IPR. Only then is the trainee considered certified.

c. Qualification and Designation Events. These events shall have an evaluation form completed, approved, and signed by required signatories, the IPR reviewed by the WTTP officer to ensure all requirements were met, letter signed by the commanding officer, event code logged in M-SHARP, and signed letters/accompanying documentation filed in the IPR. Only then is the trainee considered qualified or designated, as applicable.

209. CORE SKILL INTRODUCTION PHASE. MTACS Personnel (MOS 72XX) receive entry level training in their respective primary MOS prior to being assigned to a tactical unit. Individuals should not be assigned to MTACS directly from an entry-level MOS-producing school.

210. CORE SKILL PHASE (2000)

1. General

a. Purpose. Core Skills are intended to train the individual to utilize the tools and systems required during performance as a TACC crewmember. Core Skills require a set of events to be completed to ensure a level of proficiency is achieved before the trainee proceeds to Mission Skill training.

b. Prerequisite. Completion of applicable primary MOS Core Skill Introduction training and achievement of initial qualification in primary agency.

c. Stages

- (1) Academics (ACAD)
- (2) Equipment (EQUIP)
- (3) Command and Control Systems (C2SYS)
- (4) Planning (PLNG)

2. Academics (ACAD)

a. Purpose. The purpose is to give a general knowledge of TACC operations

and associated gear to personnel newly assigned to the MTACS to support COPS operations as a 72XX. Additionally, these academics outline requirements for deploying and employing the TACC.

b. Admin Notes. The modules listed in the below chart will be evaluated via written examination. A passing score of at least an 80% must be achieved on these evaluations. Standardized examinations are held by the MAWTS-1 TACC Division. The 2 hours event time listed below represent the time allotted for written evaluations and not the time which must be allotted for preparation through the use of the prerequisite events (i.e. reading publications and studying).

c. Total Training Events. 2 events, 2 hours.

Event	T&R Code
TACC Generic Evaluation	ACAD-2000
TACC Planning Evaluation	ACAD-2010

ACAD-2000 1.0 (*) B _____ L

Goal. Demonstrate understanding in TACC Generics.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite. ACAD 8500, 8501, 8502, 8503, 8504

Reference. Per prerequisite events.

ACAD-2010 1.0 (*) B _____ L

Goal. Demonstrate understanding in TACC Planning.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite. ACAD 8520, 8521, 8522, 8523

Reference. Per prerequisite events.

3. Equipment (EQUIP)

a. Purpose. To train personnel to set up and operate TACC equipment such as shelters, consoles, and user communications devices.

b. Total Training Events. 2 events, 3 hours.

Event	T&R Code
Program User Interface	EQUIP-2100
Configure National Systems Information	EQUIP-2105

EQUIP-2100 1.0 (*) B 1 MRQ-12 L

Goal. Set up and program the radio user interface device.

Requirement. Given an operational MRQ-12 Communications Distribution System, perform the following:

1. Setup and program console for use with applicable radio and intercom nets.
2. Transmit and receive information over the console.

Performance Standard. Complete the requirement items IAW the reference.

Instructor. BI, SI, WTI

Reference. PCN 500 102092 00 (User Control Device)

EQUIP-2105 2.0 (182) B,R 1 CTT or JTT L

Goal. Configure National Systems Information.

Requirement. Given the Commander's Tactical Terminal 3, complete the following:

1. Configure geographic, ELNOT based, and combined filtering scheme for TIBS, TDDS, and TADIXS-B data.
2. Interpret location fidelity, time latency, and implications to operations of displayed ELINT information.

Performance Standard. Complete the requirement items IAW the references. Instructor will ensure the terminal is configured correctly.

Instructor. BI, SI, WTI

Reference

1. Integrated Broadcast Service (IBS) Security Classification Guide (SCG) (<http://ibssol.nsa.smil.mil/documents>)
2. Integrated Broadcast Service (IBS) Configuration Management Plan (<http://ibssol.nsa.smil.mil/documents>)

EQUIP-2110 3.0 (1095) B, R L

Goal. Design a datalink architecture.

Requirement. Given an OPORD and an OPTASK Link:

1. Identify the datalink requirement.
2. Identify the C2 platforms and determine the required connectivity (MACCS and external agencies).
3. Draw a visual representation of the architecture to include, at a minimum, units and primary and alternate modes of transmission.
4. Submit the architecture drawing to the instructor for validation.

Performance Standard. Perform the requirement items IAW the reference. Instructor will validate the architecture supports the OPOD and OPTASK Link.

Instructor. BI, SI, WTI

Prerequisite. Completion of Link 16 Interoperability Course (SCHL 6020) and Multi-TDL Advanced Joint Interoperability (MAJIC) Course (SCHL 6021) are recommended but not mandatory. MAWTS-1 C3 Course Catalog contains all "SCHL" codes, codes for formal schools.

Reference

1. MCRP 3-25C Introduction to Tactical Data Link (TDL) J and Quick Reference Guide [S]
2. CJCSM 6120.01 Joint Multi-TDL operating procedures manual [S]

4. Command and Control Systems (C2SYS)

a. Purpose. To provide standardized training standards for individuals operating tactical data systems in the TACC.

b. Admin Notes. Command and control system events are located in the MAWTS-1 C3 Course Catalog in order to maintain standardized training across the MACCS. Events are numbered at the 29XX, 39XX and 49XX levels to allow inclusion in all MACCS T&R manuals at all levels. The table below lists all C2SYS events that are to be completed by MTACS 72XX personnel position dependent. All C2SYS events have a 182 day refresh requirement due to the perishable nature of the skills. Instructors should guide trainees through each event. Evaluation of events should only occur once trainees have been properly instructed on the specific requirements of each event.

c. Total Training Events. 18 events, 40.5 hours.

EVENT CODE	SKILL	POSITION
C2SYS-2900	SETUP PROFILE ON TBMCS CLIENT	CC
C2SYS-2901	TBMCS ONLINE MASTER HELP INDEX	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2902	TBMCS ALERTS SERVICE WEB APPS	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2903	MAP MANAGER	CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2904	WEB MAPPING	CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2905	AATWEB	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2906	WEBAD	ACO, CC
C2SYS-2907	BATTLE MANAGEMENT REPORTS	SAC, CC
C2SYS-2908	ABIM	CC
C2SYS-2909	FSTAT	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2910	ESTAT	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2911	WARP	SAC, CBC, CC, OPTR, DBC, PRC
C2SYS-2912	EMR	CBC, ADC, CC, DBC, PRC
C2SYS-2920	OPERATE AFATDS	CC, OPTR
C2SYS-2921	OPERATE C2PC	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2940	IRC NETWORK	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR, DBC, PRC
C2SYS-2941	OPERATE WEB DEVELOPMENT	CC, OPTR

	SOFTWARE	
C2SYS-2942	OPERATE ADSI	TDC, ICO

5. TACC Planning (PLNG)

a. Purpose. To train personnel to conduct deployment planning and execution to include communications architecture, site selection/emplacement and security, as well as embarkation.

b. Total Training Events. 12 events, 23 hours.

Event	T&R Code
Conduct a Site Survey	PLNG-2300
Write a Bill of Material (BOM) Request	PLNG-2320
Build Equipment Density Lists (EDL) and packing lists	PLNG-2340
Describe key communication planning documents	PLNG-2360
Identify communication assets to support C2 mission	PLNG-2380
Extract key material information from Electronic Key Management System (EKMS) Communications Security (COMSEC) callout	PLNG-2400
Understand physical security requirements	PLNG-2420
Verify equipment is packed for embark	PLNG-2440
Verify power and grounding requirements are met	PLNG-2460
Design a MACCS Communications Architecture	PLNG-2500
Perform as a C2 planner on an ACE/MAGTF OPT	PLNG-2520

PLNG-2300 2.0 (*) B _____ L

Goal. Conduct a site survey

Requirement. Given a mission and applicable references, determine an appropriate site for system emplacement:

1. Utilize available planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity.
2. Analyze terrain to:
 - a. Identify obstructions and hazards.
 - b. Determine Tactical orientation and equipment emplacement.
 - c. Determine communications attainability.
 - d. Determine operational footprint.
 - e. Determine protection from the elements.
 - f. Determine proper grounding system.
 - g. Determine Terrain Masking.
3. Design a site layout that includes the results of item 2 above.
4. Submit the site layout to the instructor for validation.

Performance Standard. Perform the requirement items IAW the reference. Instructor will validate the site diagram supports the mission. The trainee will discuss with the instructor the reasoning for the following (instructors are encouraged to discuss site survey in depth with the trainee):

1. Determining factors in selecting the site.
2. Site limitations (if any).
3. How site will support mission requirements.

Instructor. BI, SI, WTI

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

PLNG-2320 2.0 (*) B L

Goal. Write a Bill of Material (BOM) request.

Requirement. Given a mission and required documents, write a BOM request:

1. State the purpose and process for submitting a BOM request.
2. Collect requests from squadron sections
3. Consolidate required materials into a BOM request.
4. Verify the request is sufficient to support 24 hour operations and for the length of the mission.
5. Submit the BOM to the instructor for validation.

Performance Standard. Complete the required items IAW the reference. Instructor will validate the BOM request is sufficient to support the mission length.

Instructor. BI, SI, WTI

Reference. MCO P4400.150E w/erratum Ch 1-2 consumer-level supply policy manual

PLNG-2340 2.0 (*) B L

Goal. Build Equipment Density Lists (EDL) and packing lists.

Requirement. Given a scenario:

1. Define and state the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL (consolidate Principal End Items (PEI) and submit to the instructor for review.
4. Define and state the purpose of a packing list.
5. Describe essential packing list contents.

Performance Standard. Conduct all the requirement items IAW the references. Instructor will validate the EDL and packing lists to ensure accuracy and that they support the scenario.

Instructor. BI, SI, WTI

Reference

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

PLNG-2360 1.0 (*) B L

Goal. Describe key communications planning documents.

Requirement. Given an operational scenario, describe key communication documents required for TACC operations:

1. An Annex K.
2. An OPTASKLINK.
3. An EKMS Callout.

Performance Standard. Describe the requirement items IAW the reference and without error.

Instructor. BI, SI, WTI

Prerequisite. MCI 2540, Communication Plans and Orders

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

PLNG-2380 2.0 (*) B L

Goal. Identify communication assets to support the C2 mission.

Requirement. Given an Operations Order (OPORD):

1. Determine communication requirements for C2 mission.
2. List communication Principle End Items (PEI).
3. List required communications equipment ISO PEI (i.e., float, Bill of Material (BOM), Independent Cost Estimate (ICE), ancillary).
4. Submit the lists to the instructor for validation.

Performance Standard. Conduct the requirement items IAW the reference. Instructor will ensure the lists support the C2 mission in the OPORD.

Instructor. BI, SI, WTI

Prerequisite. MCI 2540, Communication Plans and Orders

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

PLNG-2400 1.0 (*) B L

Goal. Extract key material information from Electronic Key Management System (EKMS) Communications Security (COMSEC) callout.

Requirement. Given an EKMS COMSEC callout:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the four main pieces of key information:
 - a. Short Title
 - b. Edition
 - c. Segment
 - d. Classification
3. Identify segment roll over dates and time.

Performance Standard. Complete the requirement items IAW the references and without error.

Instructor. BI, SI, WTI

Prerequisite. MCI 2525B, Communications Security

Reference

1. EKMS-1
2. Local SOP

PLNG-2420 1.0 (*) B L

Goal. Understand physical security requirements.

Requirement. Define and explain the purpose of the following:

1. Guard schedule.
2. Entry Control Points (ECP).
3. Access rosters.
4. Personnel security clearances.
5. Placement of communication lines.

Performance Standard. Perform the requirement items IAW the reference and without error.

Instructor. BI, SI, WTI

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

PLNG-2440 1.0 (*) B L

Goal. Verify equipment is packed for embark.

Requirement. Given an Equipment Density List (EDL), packing list, and embarked equipment:

1. Verify the packing lists support the EDL.
2. Verify SL-3 and Limited Technical Inspections (LTI) have been conducted.
3. Verify embarked equipment is packed properly.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI, SI, WTI

Reference

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

PLNG-2460 2.0 (*) B L

Goal. Verify power and grounding requirements are met.

Requirement. Given a list of MTACS equipment:

1. Determine power requirements for listed equipment.

2. Coordinate with the utilities section to fulfill system power requirements.

Performance Standard. Complete the requirement items IAW the reference.

Instructor. BI, SI, WTI

Reference. Applicable equipment technical manual (TM)

PLNG-2500 3.0 (*) B L

Goal. Design a MACCS Comm Architecture

Requirement. Given and OPORD and an OPTASK Link:

1. Identify the Single Channel Radio Requirement.
2. Identify the data requirement.
3. Identify the voice requirement.
4. Identify the datalink requirement.
5. Identify the C2 Platforms and determine the required connectivity (MACCS and external agencies).
6. Draw a visual representation of the architecture to include, at a minimum, units and primary and alternate modes of transmission. Submit the architecture drawing to the instructor for validation.

Performance Standard. Completion of Link 16 Interoperability Course (SCHL 6020) and Multi-TDL Advanced Joint Interoperability (MAJIC) Course (SCHL 6021) are recommended but not mandatory. MAWTS-1 C3 Course Catalog contains all "SCHL" codes, codes for formal schools.

Instructor. BI, SI, WTI

Reference

1. MCRP 3-25.3 MACCS Handbook
2. MCRP 3-25C Introduction to Tactical Data Link (TDL) J and Quick
3. Reference Guide (S)
4. CJCSM 6120.01 Joint Multi-TDL operating procedures manual (S)

PLNG-2520 3.0 (*) B L

Goal. Perform as a C2 Planner on an ACE/MAGTF OPT

Requirement. Given MAGTF Mission, Tasks, and forces assigned:

1. Explain the creation of MAGTF battle space.
2. Coordinate with adjacent/higher agencies in the creation of MAGTF battle space.
3. Identify the priorities in creation of MAGTF battle space.
4. Assist in the building of MAGTF battle space.
5. Assist in the creation of the Annex W, Annex C, and Annex (fires) of the MAGTF/ACE OPORDs.
6. Assist in the creation of the MACCS SOM within the Mission, Tasks, Commander's Intent, and forces assigned of the MAGTF/ACE OPORD.

Performance Standard. Serve as part of an ACE/MAGTF Operational Planning Team and successfully complete the above requirements.

Instructor. BI, SI, WTI

Prerequisite. EQUIP-2110

Reference.

1. JP 3-09 Joint Fire Support Planning
2. JP 3-02 Joint Publication for Amphibious Operations
3. JP-02 Unified Action Armed Forces Publication
4. Joint Publication 5-0, Joint Operation Planning

211. MISSION SKILL PHASE (3000)

1. General

a. Purpose. Mission Skill training consists of advanced events that provide training on processes within the TACC by crew position. Once required Mission Skills are completed, the trainee is recommended to proceed to qualification evaluation.

b. Prerequisite. Prior to beginning this phase of training the following must be completed:

(1) Complete the TACC Generics Evaluation.

(2) Complete all Core Skill events required for the respective crew position.

(3) Complete the Mission Skill academics module for the position.

c. Stages

- (1) Crew Position Introduction (INTRO)
- (2) Crew Operations (CREW)
- (3) Battle Management (MGMT)

2. Academics (ACAD)

a. Purpose. To provide academic crew position specific training. These academic events must be completed prior to receiving credit in the INTRO, CREW and MGMT training stages.

b. Admin Notes. Each crew position within crew operation's events is assigned its own unique event code. The last two digits of the event code will be the same for each position, however, the last two digits will be based on the assigned crew position. The 7 hours event time listed below represent the time allotted for written evaluations and not the time which must be allotted for preparation.

c. Total Training Events. 7 events, 7 hours.

d. Academic Evaluation.

EVENT CODE	MISSION SKILL ACADEMIC EVALUATION MODULE
3001	SENIOR AIR COORDINATOR EVALUATION
3002	CLOSE BATTLE COORDINATOR ACADEMIC EVALUATION
3003	AIR DEFENSE COORDINATOR ACADEMIC EVALUATION
3004	AIRSPACE CONTROL OFFICER ACADEMIC EVALUATION
3005	INTERFACE CONTROL OFFICER ACADEMIC EVALUATION
3006	CREW CHIEF ACADEMIC EVALUATION
3007	TRACK DATA COORDINATOR ACADEMIC EVALUATION

ACAD-3001 1.0 (*) B L

Goal. Demonstrate knowledge required of a SAC.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. CERTs for all CBC, ADC, ACO (6102, 6103, 6104)
3. ACAD 8520-8522, 8540-8549, 8641, 8660-8665

Reference. Per prerequisite events.

ACAD-3002 1.0 (*) B L

Goal. Demonstrate knowledge required of a CBC.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. ACAD 8540-8549, 8560-8562, 8642, 8662

Reference. Per prerequisite events.

ACAD-3003 1.0 (*) B L

Goal. Demonstrate knowledge required of an ADC.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. ACAD 8540-8549, 8563-8567, 8580-8584, 8640

Reference. Per prerequisite events.

ACAD-3004 1.0 (*) B _____ L

Goal. Demonstrate knowledge required of an ACO.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. ACAD 8540-8549, 8568-8570, 8620-8621

Reference. Per prerequisite events.

ACAD-3005 1.0 (*) B _____ L

Goal. Demonstrate knowledge required of an ICO.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. ACAD 8540-8549, 8600-8610

Reference. Per prerequisite events.

ACAD-3006 1.0 (*) B _____ L

Goal. Demonstrate knowledge required of a CC.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. CERTs for all CBC, ADC, ACO (6102, 6103, 6104)
3. ACAD 8520-8523, 8540-8549, 8641, 8660, 8661

Reference. Per prerequisite events.

ACAD-3007 1.0 (*) B _____ L

Goal. Demonstrate knowledge required of a TDC.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite

1. Core Skill Complete
2. ACAD 8540-8549, 8600-8608, 8610

Reference. Per prerequisite events.

3. Crew Position Introduction (INTRO)

a. Purpose. The purpose is to provide a detailed description and hands-on introduction to the roles and responsibilities of respective crew positions prior to attempting a qualification event on that position. This introductory period will be for a minimum of four hours, will include over the shoulder training conducted by a qualified instructor in the position being introduced, and shall cover all tasks that may be assessed during the qualification event. This event will conclude with a detailed debrief containing positive feedback and corrective action. Introduction events must be completed prior to proceeding to the other Mission Skills events.

b. Crew Requirement. MTACS Current Operations Crew.

c. Total Training Events. 8 events, 32 hours.

EVENT CODE	EVENT NAME	CREW POSITION
INTRO-3101	SAC INTRODUCTION	SAC
INTRO-3102	CBC INTRODUCTION	CBC
INTRO-3103	ADC INTRODUCTION	ADC
INTRO-3104	ACO INTRODUCTION	ACO
INTRO-3105	ICO INTRODUCTION	ICO
INTRO-3106	CC INTRODUCTION	CC
INTRO-3107	TDC INTRODUCTION	TDC
INTRO-3108	OPTR INTRODUCTION	OPTR

INTRO-3101 4.0 (*) B 1 TACC COPS L

Goal. Introduce SAC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct a crew brief.
2. Assist the SWO in supervising the execution of the current ACE mission as required.
 - a. Ensure situation and status displays are current and accurate.
 - b. Evaluate the capability of available assets to fulfill ATO tasking.
 - c. Recommend a COA to overcome ATO deficiencies.

- d. Update the SWO on any unanticipated developments that may impact planned operations.
- e. Issue and document ATO adjustments approved by the SWO.
- f. Adjudicate with the MAGTF/JFACC any immediate JTAR/ASR that exceed the current sortie allocation.
3. Establish liaison with subordinate/adjacent agencies.
4. Ensure proper implementation of air assets.
5. Recommend changes to the States of Alert/Weapons Control Status/Air Defense Warning Condition within the AO.
6. Ensure proper and expeditious dissemination of all essential information to all external agencies as required.
7. Monitor the reporting of all events.
8. Supervise the functioning and performing of COPS watch standers.
9. Advise the SWO on all matters pertaining to the conduct of current operations.
10. Perform the function of the SWO when directed.
11. Supervise the execution of air operations by subordinate MACCS agencies.
12. Conduct a crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3001

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3102 4.0 (*) B 1 TACC COPS L

Goal. Introduce CBC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct crew brief.
2. Coordinate the synchronization of air operation in support of the MAGTF Close Battle within the current day ATO cycle.
3. Coordinate with the DASC for receipt of immediate JTAR/ASR/CASEVAC information.
4. Recommend COAs to support JTAR/ASR to SAC/SWO based on asset availability.
5. Coordinate modification of ACMs and FSCMs as required.

6. Coordinate with the intelligence watch section for current projected enemy capabilities, critical vulnerabilities, and potential enemy courses of action.
7. Coordinate with the Ground Watch Section for current projected Ground Scheme of Maneuver, Fire Support Plan, and ground boundaries/fire support coordination measures.
8. Ensure proper conduct of the Close Battle Cell.
9. Conduct a crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3002

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3103 4.0 (*) B 1 TACC COPS L

Goal. Introduce ADC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct a crew brief.
2. Monitor and coordinate control of aircraft and missiles for air defense by subordinate/ adjacent C3 agencies.
3. Coordinate air defense operations of subordinate/ external agencies, as directed.
4. Initiate orders to Air Defense agencies and countermand subordinate agency actions as required.
5. Coordinate the establishment and dissemination of Air Defense Warning Condition/Weapons Control Status/States of Alert.
6. Coordinate with the SADC/RADC/AADC concerning the execution of air defense missions.
7. Disseminate changes to:
 - a. Airspace Coordinating Measures
 - b. Sectors of responsibility
 - c. Established ROE
 - d. EMCON/RADCON status
 - e. Flow of air defense information reports
8. Ensure established crosstell procedures are utilized by the Air Defense section as required.
9. Conduct a crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3003

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3104 4.0 (*) B 1 TACC COPS L

Goal. Introduce ACO roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct a crew brief.
2. Coordinate with the Ground Watch Section for the plotting and deconfliction of fire support coordination measures as they affect air operations.
3. Coordinate with the Airspace Control Authority for all immediate current ATO airspace requirements.
4. Update and monitor the ATO/ACP/SPINS and apprise the SAC/SWO of any changes, as required.
5. Coordinate/deconflict airspace requirements with MAGTF and attached agencies.
6. Assist and coordinate airspace requirements with other TACC cells.
7. Coordinate/resolve immediate airspace issues with external agencies (Joint, FAA, Host Nation), as required.
8. Conduct a crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3004

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3105 4.0 (*) B 1 TACC COPS L

Goal. Introduce ICO roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct a crew brief.
2. Conduct Multi-TDL network management.
3. Ensure TDC performs Track Management functions correctly.
4. Ensure correct use and implementation of manual crosstell procedures.
5. Recommend and implement changes to data link configurations and EMCON as required.
6. Monitor the accuracy of data link presentation.
7. Coordinate with the CC, CCR, and Maintenance Coordinator to ensure the quality of system interfaces and recommend solution to identify deficiencies.
8. Monitor the quality of MAGTF input to the Common Tactical Picture.
9. Conduct crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3005

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3106 4.0 (*) B 1 TACC COPS L

Goal. Introduce CC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct a crew brief.

2. Perform as senior enlisted advisor to all TACC watch crew standers.
3. Supervise the conduct of the enlisted crew.
4. Manage processing of reports generated within the COPS.
5. Ensure all status plotting boards are updated and maintained.
6. Monitor control and distribution of classified material within the COPS.
7. Ensure proper routing of information within the COPS.
8. Maintain crew rosters, collect and safeguard operational logs/information and T&R documentation at the conclusion of the crew watch.
9. Ensure proper set up and initialization of the COPS.
10. Ensure proper keying of all crypto.
11. Ensure appropriate databases are loaded.
12. Ensure proper handling and distribution of classified materials.
13. Provide instruction to crew members as required.
14. Assist SAC in integration of crew operations.
15. Supervise the sustainment of CTP network.
16. Coordinate immediate TACC communications support.
17. Coordinate the establishment of the TACC Tactical Data Network.
18. Perform the duties of the SAC in their absence.
19. Conduct a crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3006

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3107 4.0 (*) B 1 TACC COPS L

Goal. Introduce TDC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Conduct a crew brief.
2. Ensure datalink database entries are entered correctly.
3. Ensure TACC datalink equipment is setup and keyed.
4. Ensure required datalink filters are entered and activated.
5. Perform link troubleshooting and take corrective action as required.
6. Perform and monitor to ensure proper manual crosstell procedures.

7. Integrate Joint Tactical Terminal (JTT) data into the TDL display.
8. Perform track management functions per ICO direction.
9. Conduct a crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel current and qualified in the crew position being introduced. The instructor shall demonstrate each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite. ACAD 3007

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-3108 4.0 (*) B 1 TACC COPS L

Goal. Introduce TACC Operator roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, subordinate elements (live, virtual or constructive), an appropriate level instructor will ensure the TACC crewmember is introduced to their duties:

1. Operate required C2 systems in support of the scenario in accordance with this T & R manual and local SOP.
 - a. Operate the ATO Prod/Disseminations Program of Record System
 - b. Operate the Fire Support Coordination Program of Record System
 - c. Operate the Common Operational Picture Program of Record System
2. Demonstrate ability to manually and electronically plot points, units, ACMs, FSCMs, and ADCMs on a map utilizing Lat/Long and MGRS.
3. Demonstrate familiarity with warfighting symbology.
4. Receive, forward, and process reports utilizing established formats (i.e. engagement reports, battle damage assessment, JTARs, ASRs, etc.).
5. Coordinate with crew members.
6. Maintain status boards as appropriate.
7. Maintain situational awareness.
8. Conduct crew turnover brief.

Performance Standard. Complete the requirement items IAW the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI, WTI or personnel that is current and qualified in the crew position being introduced. The instructor shall demonstrate

each performance standard prior to the trainee's attempt to ensure complete understanding.

Prerequisite

1. Core Skill Complete
2. ACAD 8500-8504

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

4. Crew Operations (CREW)

a. Purpose. The purpose is to apply the individual skills developed during Core Skill training and Mission Skill academics and introduction events as an integrated member of the TACC crew. The trainee will demonstrate an understanding of individual skills by integrating into a functioning TACC crew. The trainee will lead their respective section, perform cross-section, subordinate, adjacent, and higher element coordination, and conduct their portion of the TACC crew brief.

b. Prerequisite. Complete the INTRO event for the position being trained. For example, if being trained as a CBC, complete INTRO-3102 prior to beginning this stage of training.

c. Admin Notes. This stage of training shall be completed for each position being trained. This ensures the trainee understands crew operations as they relate to a specific position.

d. Crew Requirement. MTACS Current Operations Crew.

e. Total Training Events. 6 events, 24 hours.

EVENT CODE	EVENT NAME	CREW POSITION
CREW-3200	CREW LEADERSHIP	
CREW-3201		SAC
CREW-3206		CC
CREW-3300	CREW COORDINATION	
CREW-3301		SAC
CREW-3302		CBC
CREW-3303		ADC
CREW-3304		ACO
CREW-3305		ICO
CREW-3306		CC
CREW-3307		TDC
CREW-3308		OPTR
CREW-3400	TACC CREW BRIEF	
CREW-3401		SAC
CREW-3402		CBC
CREW-3403		ADC
CREW-3404		ACO

CREW-3405		ICO
CREW-3406		CC
CREW-3500	3-IN-1 SHELTER	CC, TDC, OPTR
CREW-3600	MERWS SHELTER	CC, TDC, OPTR
CREW-3700	OPERATE IN A CBRN ENVIRONMENT	SAC, CBC, ADC, ACO, ICO, CC, TDC, OPTR

CREW-3200 4.0 (1095) B,R 1 TACC COPS L

Goal. Lead elements of a TACC crew.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), ensure TACC crewmembers perform their duties correctly, to include:

1. Ensure proper conduct of duties in COPS.
2. Maintain situational awareness on all aspects of ACE operations.
3. Ensure proper execution of the ATO.
4. Ensure situation and status displays are current and accurate.
5. Monitor reporting of all events.
6. Provide update briefs to leadership as required.
7. Supervise COPS sections and cells.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a SAC or CC ready for qualification evaluation. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 31XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

CREW-3300 4.0 (1095) B,R 1 TACC COPS L

Goal. Coordinate with all sections and cells within TACC COPS.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), conduct internal crew coordination by conducting the following:

1. Adhere to the TACC battle rhythm and associated deadlines as directed.
2. Ensure crew position logbook is maintained for turnover.
3. Ensure SIGEVENTS, critical events, and CCIR updates are passed to appropriate crew members.
4. Ensure significant events journal is updated as appropriate.

5. Ensure unit status and positions are accurate on maps and status boards.
6. Supervise subordinate crew members.
7. Assist in the review and dissemination of information within the TACC.
8. Inform crew of equipment status and operational posture of MACCS agencies.
9. Conduct cross coordination with appropriate COPS/FOPS sections and cells.
10. Provide updates and make appropriate recommendations to leadership regarding cell activities.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a TACC officer or enlisted ready for qualification evaluation on the position training in. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 31XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

CREW-3400 4.0 (1095) B,R L

Goal. Conduct a TACC crew brief.

Requirement. Given an operational TACC that involves all COPS sections and cells, and given supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive):

1. Write the respective section of a TACC brief as it applies to the position being trained.
2. Submit the brief to the instructor for review and approval.
3. Coordinate with other TACC briefers to eliminate information redundancy.
4. Present the brief to the instructor and crew personnel.

Performance Standard

1. Instructor will review the brief with the trainee and mentor to ensure the trainee understands the mission requirements as they apply to a TACC COPS crew position.
2. Trainee will present the approved brief to crew personnel to a level of clarity that helps the crew visualize and understand the upcoming battle and concept of operations.

Instructor. SI, WTI

Prerequisite. INTRO 31XX (Introduction event for position being trained)

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

CREW-3500 4.0 (*) B 1 3-in-1 Shelter L

Goal. Emplace and power 3-in-1 shelter.

Requirement. Given the site diagram, a 3-IN-1 shelter with required cables, grounding kit and a total of six individuals complete the following:

1. Emplace 3-in-1 shelter.
2. Level unexpanded shelter.
3. Expand shelter.
4. Connect lighting subsystems.
5. Connect power cable.
6. Ground shelter.
7. Connect internal power harness.
8. Energize specified section.
9. Tear-down and repack shelter for retrograde.

Performance Standard. Complete the requirement items IAW the references. Shelter must be emplaced and powered to be ready for operations.

Instructor. BI, SI

External Syllabus Support. Materials Handling Equipment (MHE) to move shelters.

Reference

1. TM 10-5411-200-24P (Shelter, Tactical, Expandable, Two-Sided)
2. Unit generated exercise/operation site diagram

CREW-3600 4.0 (*) B 1 MERWS Shelter L

Goal. Emplace and power MERWS shelter.

Requirement. Given the site diagram, a 3-in-1 shelter with required cables, grounding kit and six individuals complete the following:

1. Emplace MERWS shelter.
2. Level unexpanded shelter.
3. Expand shelter.
4. Connect lighting subsystems.
5. Connect power cable.
6. Ground shelter.
7. Connect internal power harness.
8. Energize specified section.
9. Tear-down and repack shelter for retrograde.

Performance Standard. Complete the requirement items IAW the references. Instructor will ensure the shelter was emplaced and powered correctly.

Instructor. BI, SI, WTI

External Syllabus Support. Materials Handling Equipment (MHE) to move MERWS.

Reference

1. TM 10393A-14&P (Modular Extendable Rigid Wall Shelter)
2. Unit generated exercise/operation site diagram

CREW-3700 4.0 (365) B,R 1 TACC COPS L

Goal. Operate in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Given a scenario, supporting documentation, an operational TACC, operate in a simulated CBRN environment. Begin in MOPP-0 and graduate to MOPP-IV over a four hour period. While increasing MOPP levels:

1. Identify alternate C2 communications procedures.
2. Plan personnel rotations while in MOPP gear.
3. Utilize CBRN defense equipment as required.
4. Alert subordinate displaced elements.
5. Notify external agencies and aircraft.

Performance Standard. Complete the requirement items IAW the reference for a period of four hours. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 31XX (Introduction event for position being trained) and complete annual mask confidence chamber.

Reference. MCO 3400.3F (page 4, para. d) Nuclear, Biological, and Chemical Defense (NBCD) Training

5. Battle Management (MGMT)

a. Purpose. To train personnel on how to effectively manage aviation assets and subordinate agencies which support the MAGTF. Management functionality includes but is not limited to prioritizing mission support based on the commander's guidance, maintaining awareness of asset location and availability, appropriate asset to request pairing, proper utilization of refueling assets to maximize on-station times, and directing / supervising the actions of subordinate agencies during the execution of the ACE mission.

b. Prerequisite. Complete the INTRO event for the position being trained. For example, if being trained as a CBC, complete INTRO-3102 prior to beginning this stage of training.

c. Admin Notes. This stage of training shall be completed for each position being trained. This ensures the trainee understands crew operations as they relate to a specific position.

d. Crew Requirement. MTACS Current Operations Crew.

e. Total Training Events. 2 events, 8 hours.

EVENT CODE	EVENT NAME	CREW POSITION
MGMT-3800	AVIATION ASSET MANAGEMENT	

MGMT-3801		SAC
MGMT-3802		CBC
MGMT-3803		ADC
MGMT-3900	MACCS MANAGEMENT	
MGMT-3901		SAC
MGMT-3902		CBC
MGMT-3903		ADC
MGMT-3905		ICO

MGMT-3800 4.0 (1095) B,R 1 TACC COPS L

Goal. Track and recommend utilization of MAGTF and Joint aviation assets.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), conduct aviation asset management:

1. Acquire and maintain current information concerning status and operations of air missions supporting the MAGTF.
2. Advise SAC/SWO concerning employment of air assets.
3. Maintain communications with appropriate MACCS, Joint, and other supporting agencies.
4. Exercise TACC authorities in coordination with the SAC/SWO.
 - a. Cancel missions and launches as required.
 - b. Divert missions as required.
 - c. Adjust scheduled launch times to address changes in the tactical situation.
 - d. Direct launches/scramble of missions to address changes in the tactical situation.
 - e. Process requests for air support.
5. Coordinate with FOPS for effects of immediate tasking on future ATO requirements.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a trainee ready for qualification evaluation on the position training in. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 31XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

MGMT-3900 4.0 (1095) B,R 1 TACC COPS L

Goal. Track and monitor current operations of subordinate MACCS agencies.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage MACCS agencies by conducting the following:

1. Monitor and direct the control of aircraft and missiles by subordinate MACCS agencies or joint C2 agencies assigned to the MAGTF.
2. Initiate orders to MACCS agencies or countermand subordinate agency actions as required.
3. Monitor equipment status and operational posture of subordinate MACCS agencies.
4. Maintain communications with appropriate MACCS and joint agencies.
5. Pass and request pertinent status information from subordinate MACCS agencies.
6. Advise leadership concerning employment of appropriate MACCS agencies.
7. Exercise TACC authorities in coordination with leadership:
 - a. Cancel missions and launches as required.
 - b. Divert missions as required.
 - c. Adjust scheduled launch times to address changes in the tactical situation.
 - d. Direct launches/scramble of missions to address changes in the tactical situation.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a trainee ready for qualification evaluation on the position training in. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 31XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

212. CORE PLUS PHASE (4000)

1. General

a. Purpose. Core Plus events are intended to train the individual to perform duties of non-72XX TACC COPS crewmembers or to utilize current, but non-system of record, C2 systems.

b. Prerequisite. Complete applicable primary MOS Core Skill Introduction training.

c. Stages

- (1) Academics
- (2) Crew Position Introduction (INTRO)
- (3) Crew Operations (CREW)

- (4) Battle Management (MGMT)
- (5) Command and Control Systems (C2SYS)

2. Academics (ACAD)

a. Purpose. To provide academic crew position specific training. These academic events must be completed prior to receiving credit in the INTRO, CREW and MGMT training stages.

b. Admin Notes. Each crew position within crew operation's events is assigned its own unique event code. The last two digits of the event code will be the same for each position, however, the last two digits will be based on the assigned crew position.

c. Total Training Events. 1 event, 1 hour.

d. Evaluation Event

EVENT CODE	MISSION SKILL ACADEMIC MODULE TITLE
ACAD-4012	DEEP BATTLE COORDINATOR ACADEMIC EVALUATION

ACAD-4012 1.0 (*) B L

Goal. Demonstrate knowledge required of a DBC.

Requirement. Complete a written examination and submit to the instructor.

Performance Standard. Without the aid of references, pass a written examination over the prerequisite events with a minimum score of 80%.

Instructor. BI, SI

Prerequisite. ACAD 8662, 8663, 8664

Reference. Per prerequisite events

3. Crew Position Introduction (INTRO)

a. Purpose. Provide a detailed description and hands-on introduction to the roles and responsibilities of the respective crew position being trained prior to attempting a qualification event on that position. This introductory period will be for a minimum of four hours, will include over the shoulder training conducted by a qualified instructor in the position being introduced, and shall cover all tasks that may be assessed during the qualification event. Each event will conclude with a detailed debrief containing positive feedback and corrective action. Introduction events must be completed prior to proceeding to CREW and MGMT events.

b. Crew Requirement. Core capable TACC crew.

c. Total Training Events. 2 events, 8 hours.

EVENT CODE	EVENT NAME	CREW POSITION
INTRO-4112	DBC INTRODUCTION	DBC
INTRO-4113	PRC INTRODUCTION	PRC

INTRO-4112 4.0 (*) B 1 TACC COPS L

Goal. Introduce DBC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive); appropriate level instructor will ensure TACC crewmembers are introduced to their duties.

Performance Standard. Complete the requirement items IAW the respective qualification event. Introduce/Evaluate:

1. Conduct a crew brief.
2. Acquire and maintain information on the status of air operation in support of the Deep Battle.
3. Advise the SWO/SAC on assets in support of the Deep Battle.
4. Coordinate synchronization of air operations in support of the Deep Battle within the current day ATO cycle.
5. Maintain communications with the TAOC Deep Air Operations Coordinator, MAGTF Air Officer, MAGTF Fire Support Coordinator, and Air Operations Center.
6. Coordinate with the DASC and other C3 Air agencies for receipt of immediate JTAR/ASR/CASEVAC information.
7. Recommend to the SAC/SWO to support JTAR/ASR/CASEVAC based on asset availability.
8. Coordinate modification of ACM/FSCM as required.
9. Coordinate with the Intelligence Watch Section for a current/projected enemy capabilities, critical vulnerabilities, and potential enemy COA.
10. Coordinate with the Ground Watch Section for current/projected Ground Scheme of Maneuver/Fire Support Plan and ground boundaries/FSCM.
11. Review MAGTF/GFC targeting guidance and combat assessment data in order to provide ATO refresh input to planned events at least four hours prior to execution.
12. Coordinate with ACI target intelligence section to receive targeting and BDA information.
13. Receive MISREPs for passage to the Intelligence Watch Section for review and processing.
14. Recommend to the SWO, in conjunction with the ACI Target Intelligence Section, dynamic retasking of air assets in response to emergent targets in the deep battle area.
15. Provide the SWO the impact on the Deep Battle on shifting assets for the current ATO.
16. Recommend changes to, or identify preplanned ordnance configurations, in response to target changes or weather conditions.
17. Ensure proper conduct of the Deep Battle Cell.
18. Conduct a crew turnover brief.

Instructor. SI, WTI or personnel current and qualified in crew position.

Prerequisite. ACAD 4012

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook

2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

INTRO-4113 4.0 (*) B 1 TACC COPS L

Goal. Introduce PRC roles and responsibilities.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive); appropriate level instructor will ensure TACC crewmembers are introduced to their duties.

Performance Standard. Complete the requirement items IAW the respective qualification event. Introduce/Evaluate:

1. Conduct a crew brief.
2. Coordinate with the Joint Personnel Recovery Center (JPRC) concerning CSAR aircraft availability and requirement for TRAP assets that exceed ACE platform capabilities/ survivability for PR operations.
3. Supervise the activation and monitoring of PR communications and execution checklists, as required. Draft messages pertaining to MAGTF CSAR/TRAP operations (i.e. Search and Rescue Incident Report (SARIR) and SAR Situation Report (SARSIT)).
5. Notify the SWO of supporting aircraft requirements for CSAR/TRAP operations, the progress of CSAR/TRAP operations, and any situations that restrict or hinder CSAR/TRAP operations.
6. Coordinate CSAR/TRAP efforts with units and/or agencies external to the ACE (i.e. JPRC/adjacent Personnel Recovery Coordination Centers (PRCCs)).
7. Coordinate CSAR/TRAP efforts with the DASC, provided such efforts transit that battlespace short of the FSCL.
8. Ensure CSAR/TRAP case folders are completed and maintained.
9. Monitor and update location/availability of CSAR/TRAP assets.
10. Provide feedback to future operations on changes required for subsequent ATOs concerning SAR/TRAP support (i.e. packaging, SPINS, checklists, etc.).
11. Perform crew turnover brief.

Instructor. SI, WTI or personnel current and qualified in crew position.

Prerequisite. SCHL 6011

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist
3. Local unit SOP

4. Crew Operations (CREW)

a. Purpose. The purpose is to apply the individual skills developed during Core Skill training and Mission Skills academics as an integrated member of the TACC crew. The trainee will demonstrate an understanding of individual skills by integrating into a functioning TACC crew. The trainee will lead their respective section, perform cross-section, subordinate, adjacent, and higher

element coordination, and conduct their portion of the TACC crew brief.

b. Admin Notes. Core Plus Crew Events mirror those in the Mission Skill Stage for MTACS T/O individuals.

c. Crew Requirement. Core capable TACC crew.

d. Total Training Events. 4 events, 16 hours.

EVENT CODE	EVENT NAME	CREW POSITION
CREW-4300	CREW COORDINATION	
CREW-4312		DBC
CREW-4313		PRC
CREW-4400	TACC CREW BRIEF	
CREW-4412		DBC
CREW-4413		PRC

CREW-4300 4.0 (1095) B,R 1 TACC COPS L

Goal. Coordinate with all sections and cells within TACC COPS.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), conduct internal crew coordination by conducting the following:

1. Adhere to the TACC battle rhythm and associated deadlines as directed.
2. Ensure crew position logbook is maintained for turnover.
3. Ensure SIGEVENTS, critical events, and CCIR updates are passed to appropriate crew members.
4. Ensure significant events journal is updated as appropriate.
5. Ensure unit status and positions are accurate on maps and status boards.
6. Supervise subordinate crew members.
7. Assist in the review and dissemination of information within the TACC.
8. Inform crew of equipment status and operational posture of MACCS agencies.
9. Conduct cross coordination with appropriate COPS/FOPS sections and cells.
10. Provide updates and make appropriate recommendations to leadership regarding cell activities.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a TACC officer or enlisted ready for qualification evaluation on the position training in. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 41XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

CREW-4400 4.0 (1095) B,R L

Goal. Conduct a TACC crew brief.

Requirement. Given an operational TACC that involves all COPS sections and cells, and given supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive):

1. Write the respective section of a TACC brief as it applies to the position being trained.
2. Submit the brief to the instructor for review and approval.
3. Coordinate with other TACC briefers to eliminate information redundancy.
4. Present the brief to the instructor and crew personnel.

Performance Standard

1. Instructor will review the brief with the trainee and mentor to ensure the trainee understands the mission requirements as they apply to a TACC COPS crew position.
2. Trainee will present the approved brief to crew personnel to a level of clarity that helps the crew visualize and understand the upcoming battle and concept of operations.

Instructor. SI, WTI

Prerequisite. INTRO 41XX (Introduction event for position being trained)

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

e. Admin notes. The table below represents Core Plus Skill events that are not tied directly to any mission skill(s), but will be required if the TACC is directed to utilize the COC V2 system or an existing structure during operations/exercises.

EVENT CODE	EVENT NAME	SKILL
CREW-4500	Configure COC V2 System	COC
CREW-4600	Configure TACC in Pre-existing Structure	Pre-existing Structure

CREW-4500 4.0 (*) B 1 COC V2 System L

Goal. Configure COC v2 TACC

Requirement. Given a COC v2:

1. Properly emplace COC v2 TACC per the reference.
2. Tear-down and repack COC v2 for retrograde.

Performance Standard. Complete the requirement IAW the references and instructor will ensure the COC v2 is configured correctly.

Instructor. BI, SI, WTI

Reference:

1. Unit generated exercise/operation site diagram.
2. COC v2 Operations Manual.

CREW-4600 4.0 (*) B 1 Existing Structure L

Goal. Configure TACC in Pre-existing Structure

Requirement. Given an existing structure:

1. Properly emplace required TACC equipment/systems per the reference.
3. Tear-down and repack equipment/systems for retrograde.

Performance Standard. Complete the requirement IAW the references and instructor will ensure the TACC is configured correctly.

Instructor. BI, SI, WTI

Reference:

1. Unit generated exercise/operation site diagram.

5. Battle Management (MGMT)

a. Purpose. To train personnel on how to effectively manage aviation assets and subordinate agencies which support the MAGTF. Management functionality includes but is not limited to prioritizing mission support based on the commander's guidance, maintaining awareness of asset location and availability, appropriate asset to request pairing, proper utilization of refueling assets to maximize on-station times, and directing / supervising the actions of subordinate agencies during the execution of the ACE mission.

b. Admin note. Core Plus 'Management' events mirror those for 72XX MTACS crew position requirements.

c. Total Training Events. 2 events, 8 hours.

EVENT CODE	EVENT NAME	CREW POSITION
MGMT-4700	AVIATION ASSET MGMT	
MGMT-4712		DBC
MGMT-4713		PRC
MGMT-4800	MACCS MANAGEMENT	
MGMT-4812		DBC

MGMT-4700 4.0 (1095) B,R 1 TACC COPS L

Goal. Track and recommend utilization of MAGTF and Joint aviation assets.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), conduct aviation asset management:

1. Acquire and maintain current information concerning status and operations of air missions supporting the MAGTF.
2. Advise SAC/SWO concerning employment of air assets.
3. Maintain communications with appropriate MACCS, Joint, and other supporting agencies.
4. Exercise TACC authorities in coordination with the SAC/SWO.
 - a. Cancel missions and launches as required.
 - b. Divert missions as required.
 - c. Adjust scheduled launch times to address changes in the tactical situation.
 - d. Direct launches/scramble of missions to address changes in the tactical situation.
 - e. Process requests for air support.
5. Coordinate with FOPS for effects of immediate tasking on future ATO requirements.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a trainee ready for qualification evaluation on the position training in. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 41XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

MGMT-4800 4.0 (1095) B,R 1 TACC COPS L

Goal. Track and monitor current operations of subordinate MACCS agencies.

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage MACCS agencies by conducting the following:

1. Monitor and direct the control of aircraft and missiles by subordinate MACCS agencies or joint C2 agencies assigned to the MAGTF.
2. Initiate orders to MACCS agencies or countermand subordinate agency actions as required.
3. Monitor equipment status and operational posture of subordinate MACCS agencies.
4. Maintain communications with appropriate MACCS, higher, and joint agencies.
5. Pass and request pertinent status information from subordinate MACCS agencies.
6. Advise leadership concerning employment of appropriate MACCS agencies.
7. Exercise TACC authorities in coordination with leadership:
 - a. Cancel missions and launches as required.

- b. Divert missions as required.
- c. Adjust scheduled launch times to address changes in the tactical situation.
- d. Direct launches/scramble of missions to address changes in the tactical situation.

Performance Standard. Complete the requirement items IAW the reference to a level of proficiency expected of a trainee ready for qualification evaluation on the position training in. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. SI, WTI

Prerequisite. INTRO 41XX (Introduction event for position being trained)

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

6. Command and Control Systems (C2SYS)

a. Purpose. To provide the skills required to operate Aviation C2 systems which are often unique dependent upon the theater of operations.

b. Admin note. Core Plus 'C2SYS' events are not in and of themselves representative of any specific Core, Mission or Core Plus skill. These events represent C2 systems which may be utilized dependent upon the theater of operations supported. These events will typically either augment or replace other C2SYS requirements for crew position skills.

(1) The table below lists all C2SYS events that may be completed by MTACS 72XX personnel to support theater specific requirements. To maintain standardized training across the MACCS, C2SYS events are located in the MAWTS-1 C3 Course Catalog.

c. Total Training Events. 4 events, 16 hours - see the MAWTS-1 C3 Course Catalog for the events listed in the table below.

EVENT CODE	EVENT NAME
C2SYS-4922	OPERATE BFT EQUIPMENT
C2SYS-4923	OPERATE CPOF
C2SYS-4924	OPERATE JADOCs
C2SYS-4925	OPERATE CSEL

213. INSTRUCTOR UNDER TRAINING (IUT)

1. Purpose. To provide position qualified personnel the additional skills necessary to instruct, evaluate and recommend for completion / qualification 'trainees' within a crew. Upon completion of the required training, an individual may be considered for instructor designation by the Commanding Officer, WTPP Officer, or direct representative as delineated.

2. Administrative Notes

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are three instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

- (1) Basic Instructor (BI)
- (2) Senior Instructor (SI)
- (3) Weapons and Tactics Instructor (WTI)

c. The MAWTS-1 C3 Course catalog contains the training requirements for each of the three instructors. The catalog is located at the MAWTS-1 website, <https://www.intranet.tecom.usmc.mil/sites/mawts1/default.aspx>.

d. The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	EVENT TRAINING, EVALUATION AND APPROVAL
BI	CORE SKILL EVENTS IN WHICH CURRENT AND PROFICIENT
SI	CORE SKILL AND MISSION SKILL CERTIFICATION EVENTS - SAC FOR: SAC, ADC, CBC, ACO, ICO, DBC - CC FOR: CC, CCR, TACC OPERATOR, TDC
WTI	MISSION SKILL CERTIFICATION AND QUALIFICATION EVENTS. WTI: - EVALUATE AND RECOMMEND FOR QUALIFICATION - ENDORSE RECOMMENDATIONS FOR POSITION DESIGNATIONS
NOTES	*THE COMMANDING OFFICER IS THE APPROVING AUTHORITY FOR QUALIFICATIONS AND DESIGNATIONS. *NOTE: DUE TO THE TECHNICAL NATURE OF THE ICO/TDC POSITION, A JICO MAY EVALUATE THEIR QUALIFICATIONS.

e. Total Training Events. 7 events, 25 hours (WTI not included)

EVENT CODE	EVENT NAME	INSTRUCTOR
IUT-5000	INTRODUCE PRINCIPLES OF INSTRUCTION	BI
IUT-5010	UNDERSTAND STRUCTURE OF AN EVENT	BI
IUT-5020	INSTRUCT A T&R EVENT	BI
IUT-5100	UNDERSTAND AVIATION T&R PROGRAM	SI
IUT-5110	UNDERSTAND COMMUNITY T&R	SI
IUT-5120	UNDERSTAND T&R ADMINISTRATION	SI
IUT-5130	DEVELOP A TRAINING PLAN	SI
IUT-6000	WEAPONS AND TACTICS INSTRUCTOR COURSE	WTI

214. CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS PHASE (6000)

1. General

a. Purpose. This phase provides for community standardization of MTACS 72XX position certifications, qualifications, combat leadership and instructor designations.

b. Admin Notes

(1) The WTP shall review the IPR to ensure all required training, documentation and administrative actions have been completed prior to staffing certifications, qualifications or designation recommendations for approval.

(2) The certification, qualification, or designation will be effective only when the event code has been logged in M-SHARP, all administrative actions are completed, and an individual has a signed certification, qualification or designation letter in the IPR.

(3) Tracking codes for formal schools may be located in the MAWTS-1 C3 Course Catalog. Some of these codes are prerequisites for Certifications, Qualifications and Designations.

c. Prerequisite. Per the applicable POI.

2. Certifications (CERT)

a. Purpose. Certifications serve to evaluate personnel in the SAC and CC syllabi on their ability to perform in the TACC positions they will supervise during their duties as a SAC or CC. Certifications for CBC, ADC, and ACO exist for the purpose of familiarizing individuals in the SAC/CC syllabus with the skill sets of those positions. Certification is not intended as a lesser degree of qualification for individuals in the CBC, ADC, and ACO syllabi.

b. Prerequisite. Complete the academic modules, Core Skill and Mission Skill events required for the position being trained.

c. Admin Notes

(1) The WTP Officer shall run the corresponding certification code when a trainee achieves a qualification (e.g. a trainee qualifies as a CBC (QUAL-6202), certification (CERT-6102) will be ran concurrently). This procedure shall apply to all certification events (CERT-6102, CERT-6103, and CERT-6104). However, this procedure shall not be reversed, meaning a qualification shall not be run when a certification is achieved.

(2) Personnel being recommended for certification must complete the certification event to a capable level. A capable level infers that the trainee recognizes and corrects errors without hesitation, receiving only occasional input from the instructor. This standard is outlined on the MACCS Training Form located in the MAWTS-1 C3 Course Catalog.

(3) Instructors for this event should provide minimal guidance and mentorship to the trainee during the event.

(4) All TACC certification events will be evaluated by a SI or WTI. If a squadron does not have a WTI, the commanding officer can assign an SI who is current and proficient in the position being evaluated to serve as the evaluator.

d. Crew Requirement. Core capable TACC crew.

e. Certifications

- (1) Close Battle Coordinator (CBC)
- (2) Air Defense Coordinator (ADC)

(3) Airspace Control Officer (ACO)

d. Total Training Events. 3 events, 6 hours.

EVENT CODE	EVENT NAME	CREW POSITION
CERT-6102	CERTIFY AS A CLOSE BATTLE COORDINATOR	CBC
CERT-6103	CERTIFY AS AN AIR DEFENSE COORDINATOR	ADC
CERT-6104	CERTIFY AS AN AIRSPACE CONTROL OFFICER	ACO

CERT-6102 2.0 (*) B 1 TACC Suite L

Goal. Certify as a Close Battle Coordinator (CBC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3102 and the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI or WTI

Prerequisite

1. ACAD 3002
2. INTRO 3102

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

CERT-6103 2.0 (*) B 1 TACC Suite L

Goal. Certify as an Air Defense Coordinator (ADC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3103 and the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI or WTI

Prerequisite

1. ACAD 3003
2. INTRO 3103

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook

2. U-TACC-PCL-6012 TACC Pocket Checklist

CERT-6104 2.0 (*) B 1 TACC Suite L

Goal. Certify as an Airspace Control Officer (ACO)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3104 and the references to a 'capable' level of performance as defined by the MACCS training form.

Instructor. SI or WTI

Prerequisite

1. ACAD 3004
2. INTRO 3104

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

3. Qualifications (QUAL)

a. Purpose. To evaluate personnel in the MTACS syllabi on their ability to perform as TACC crewmembers. There is no specified time limit on the amount of system time required before performing a qualification event. Once all prerequisites have been completed, the trainee is eligible to attempt the requisite qualifying event.

b. Prerequisite

(1) Complete required academic modules, Core Skill and Mission Skill events required for the position being trained.

(2) Proficiency in Mission Skill events is required to be recommended for qualification in the respective position.

c. Admin Notes

(1) During evaluation of the event performance standard, the instructor may provide minimal guidance. However, the instructor should guide and mentor the trainee during the training session and after an event evaluation.

(2) Personnel being recommended for qualification must perform the evaluation event to a proficient level. A proficient level is defined as the ability to efficiently and skillfully correct errors without hesitation and with minimal input from the Instructor.

(3) All TACC qualification events will be evaluated by a SI or WTI. If a squadron does not have a WTI, the commanding officer can assign an SI who is current and proficient in the position being evaluated to serve as the evaluator.

(4) Policy on attaining, maintaining and regaining a qualification is

contained in chapter 2 of reference (a).

d. Crew Requirement. Core capable TACC crew.

e. Qualifications

- (1) Senior Air Coordinator (SAC)
- (2) Close Battle Coordinator (CBC)
- (3) Air Defense Coordinator (ADC)
- (4) Airspace Control Officer (ACO)
- (5) Interface Control Officer (ICO)
- (6) Crew Chief (CC)
- (7) TACC Operator (OPTR)
- (8) Track Data Coordinator (TDC)
- (9) Deep Battle Coordinator (DBC)
- (10) Personnel Recovery Coordinator (PRC)

f. Total Training Events. 10 events, 40 hours.

EVENT CODE	EVENT NAME	CREW POSITION
QUAL-6201	Qualify as a SAC	SAC
QUAL-6202	Qualify as a CBC	CBC
QUAL-6203	Qualify as an ADC	ADC
QUAL-6204	Qualify as an ACO	ACO
QUAL-6205	Qualify as an ICO	ICO
QUAL-6206	Qualify as a CC	CC
QUAL-6207	Qualify as a TDC	TDC
QUAL-6208	Qualify as an OPTR	OPTR
QUAL-6212	Qualify as a DBC	DBC
QUAL-6213	Qualify as a PRC	PRC

QUAL-6201 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a Senior Air Coordinator (SAC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3101 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI

Prerequisite

1. ACAD 3001
2. INTRO 3101
3. CREW 3201, 3301, 3401, 3700
4. MGMT 3801, 3901
5. CERTs for all CBC, ADC, ACO (6102, 6103, 6104)
6. ACPM 8000, 8020, 8040, 8060, 8080

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6202 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a Close Battle Coordinator (CBC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3102 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI

Prerequisite

1. ACAD 3002
2. INTRO 3102
3. CREW 3302, 3402, 3700
4. MGMT 3802, 3902
5. ACPM 8000, 8020, 8040, 8060

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6203 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as an Air Defense Coordinator (ADC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3103 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI

Prerequisite

1. ACAD 3003
2. INTRO 3103
3. CREW 3303, 3403, 3700
4. MGMT 3803, 3903
5. ACPM 8000, 8020, 8040, 8060

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6204 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as an Airspace Control Officer (ACO)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3104 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI

Prerequisite

1. ACAD 3004
2. INTRO 3104
3. CREW 3304, 3404, 3700
4. ACPM 8000, 8020, 8040, 8060

External Syllabus Support. None if event is virtual or simulated. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6205 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as an Interface Control Officer (ICO)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3105 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI, JICO

Prerequisite

1. ACAD 3005
2. INTRO 3105
3. CREW 3305, 3405, 3700
4. MGMT 3905
5. ACPM 8000, 8020, 8040

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6206 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a Crew Chief (CC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3106 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI

Prerequisite

1. ACAD 3006
2. INTRO 3106
3. CREW 3206, 3306, 3406, 3700
4. CERTs for all CBC, ADC, ACO (6102, 6103, 6104)
5. ACPM 8000, 8020, 8040, 8060, 8080

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6207 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a Track Data Coordinator (TDC).

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3107 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI, JICO

Prerequisite

1. ACAD 3007
2. INTRO 3107
3. CREW 3700
4. ACPM 8000, 8020, 8040

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6208 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a TACC Operator

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-3108 and the references to a 'proficient' level of performance as defined by the MACCS training form.

Instructor. WTI

Prerequisite

1. ACAD 2000
2. INTRO 3108
3. CREW 3308, 3700
4. ACPM 8000, 8020, 8040

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Note: TACC Operators are from the 7234 and 7242 MOSs. While their Core Skill Introduction Training differs, the functions they fulfill within the TACC are fundamentally the same. When possible, 7234 individuals should support air defense functions while 7242 individuals should support air support functions.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6212 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a Deep Battle Coordinator (DBC)

Requirement. Given a scenario, supporting documentation, an operational TACC, higher, adjacent, and subordinate elements (live, virtual or constructive).

Performance Standard. Complete the requirement items IAW event INTRO-4112 and the references to a level of proficiency expected of a DBC performing duties under general supervision. Minor errors corrected by the trainee are acceptable.

Instructor. WTI

Prerequisite

1. ACAD 2000
2. C2SYS 2901-2905, 2909-2912, 2921, 2940
3. EQUIP 2100
4. ACAD 4012
5. INTRO 4112
6. CREW 4312, 4412, 3700
7. MGMT 4712, 4812
8. ACPM 8000, 8020, 8040, 8060

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

QUAL-6213 4.0 (1095) B,R,E 1 TACC Suite L

Goal. Qualify as a Personnel Recovery Coordinator (PRC).

Requirement. Be recommended for qualification by the WTI or SI, and be certified in writing by the commanding officer.

Performance Standard. Complete the requirement items IAW event INTRO-4113 and the references to a level of proficiency expected of a PRC performing duties under general supervision. Minor errors corrected by the trainee are acceptable.

Prerequisite

1. ACAD 2000
2. C2SYS 2901-2905, 2909-2912, 2921, 2940
3. EQUIP 2100
4. SCHL 6011
5. INTRO 4113
6. CREW 4313, 4413, 3700
7. MGMT 4713
8. ACPM 8000, 8020, 8040, 8060

External Syllabus Support. None if event is virtual. Require higher, adjacent, and subordinate elements if any part of the event is live or constructive.

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

4. Designations (DESG)

a. Purpose. To provide for the designation of combat leaders, instructors, and select TACC positions.

b. Admin Notes

(1) Prerequisites for designations should be completed prior to designating individuals. However, in the event that a commander deems it necessary to designate someone who has not completed the prerequisite, that person must complete the prerequisite within 6 months from the effective date of designation.

(2) The unit WTPP officer shall ensure the following is completed before an individual designation is effective:

(a) All syllabus training requirements for the designation are completed prior to being considered for designation.

(b) The trainee is recommended for designation as noted in the designation event, the designation letter is signed by the commanding officer and

filed in the IPR, and the designation event code is logged in M-SHARP. The designation is not effective until all actions have been completed.

(3) MACCS Instructor designation events are contained in the MAWTS-1 C3 Course Catalog to ensure standardization across the MACCS.

c. Crew Requirements. Per the applicable designation syllabus.

d. Designations

- (1) Joint Interface Control Officer (JICO)
- (2) Officer in Charge (OIC)
- (3) Chief (CHF)
- (4) Information Management Officer (IMO)
- (5) Basic Instructor (BI)
- (6) Senior Instructor (SI)
- (7) Weapons and Tactics Instructor (WTI)

c. Total Training Events. 7 events, 7 hours.

EVENT CODE	EVENT NAME	CREW POSITION
DESG-6305	BE DESIGNATED AS A JICO	JICO
DESG-6309	BE DESIGNATED AS A TACC OIC	OIC
DESG-6310	BE DESIGNATED AS A TACC CHIEF	CHF
DESG-6314	BE DESIGNATED AS A IMO	IMO
DESG-6320	BE DESIGNATED AS A BI	BI
DESG-6321	BE DESIGNATED AS A SI	SI
DESG-6323	BE DESIGNATED AS A WTI	WTI

DESG-6305 1.0 (*) B L

Goal. Designation as a Joint Interface Control Officer (JICO).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite

1. SCHL 6026
2. QUAL 6205

DESG-6309 1.0 (*) B L

Goal. Designation as an Officer in Charge (OIC).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite

1. ACAD 2010, 8520-8523
2. PLNG 2300, 2320, 2340, 2360, 2380, 2400, 2420, 2440, 2460, 2500, 2520

DESG-6310 1.0 (*) B L

Goal. Designation as a Chief (CHF).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite

1. ACAD 2010, 8520-8523
2. PLNG 2300, 2320, 2340, 2360, 2380, 2400, 2420, 2440, 2460, 2500, 2520

DESG-6314 1.0 (*) B _____ L

Goal. Designation as a Information Management Officer (IMO).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite

1. SCHL 6080

DESG-6320 1.0 (*) B _____ L

Goal. Designation as Basic Instructor (BI).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite. IUT 5000, 5010, 5020

DESG-6321 1.0 (*) B _____ L

Goal. Designation as Senior Instructor (SI).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite. IUT 5100, 5110, 5120, 5130

DESG-6322 1.0 (*) B _____ L

Goal. Designation as Weapons and Tactics Instructor (WTI).

Requirement. Recommendation for designation by the WTI or SI, and be designated in writing by the commanding officer.

Prerequisite. SCHL 6000

214. SYLLABUS EVALUATION FORM. A syllabus evaluation form is required for any initial or subsequent event training. The standard syllabus evaluation form (MACCS TRAINING FORM) is available online at the MAWTS-1 C-3 website, <https://www.intranet.tecom.usmc.mil/sites/mawts1/default.aspx>.

215. ACADEMIC TRAINING (8000)

1. General

a. Purpose. To provide trainees the requisite standardized academic knowledge to understand basic TACC principles and understand functional based areas to support performance of positional assigned duties. These events will

serve as the baseline learning objectives for academic training. References provided shall be used during training. Academic events are one-time events unless otherwise stated.

b. Stages

- (1) TACC Generics
- (2) TACC Planning
- (3) TACC Crew Positions
- (4) MACCS Agencies
- (5) Air Defense Operations
- (6) Datalink Operations
- (7) Airspace
- (8) Supporting Operations
- (9) Operational Considerations

2. TACC Generics

a. Purpose.

b. Total Training Events. 5 events, 5 hours.

ACADEMIC MODULE	T&R Code
TACC FUNDAMENTALS	ACAD-8500
TACC ORGANIZATIONS	ACAD-8501
TACC SYSTEMS	ACAD-8502
TACC OPERATIONS	ACAD-8503
TACC COMMUNICATIONS NETS AND DATALINKS	ACAD-8504

ACAD-8500 1.0 (*) B L

Goal. Review TACC fundamentals.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Explain the MAGTF Single Battle Concept.
2. Describe how the TACC organizations align with the MEF staff.
3. Identify the other MAGTF elements that a baseline TACC is organized to support.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

ACAD-8501 1.0 (*) B L

Goal. Review TACC Organizations.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Describe how the TACC organizations align with the ACE staff.
2. Identify the functions of the Future Plans organization.
3. Identify the functions of the Future Operations organization.
4. Identify the functions of the Current Operations organization.
5. Identify the functions of the Air Combat Intelligence organization.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8502 1.0 (*) B L

Goal. Review TACC Systems.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Identify the Purpose of the Theater Battle Management Core System (TBMCS).
2. Identify the primary databases associated with TBMCS and their functions.
3. State the purpose and identify the functions of Communications Data Link System (CDLS).
4. Identify the Tactical Data Links (TDL) associated with the CDLS.
5. State the purpose and identify the functions of Air Defense System Integrator (ADSI).
6. State the purpose and identify the functions of Joint Tactical Terminal (JTT)/ Hybrid Three Channel (H3).
7. Identify the mapping software utilized in the TACC for displaying the Common Tactical Picture.
8. Identify the communications sub-system utilized by the TACC and the frequency spectrums it supports.
9. Identify the primary shelter utilized by the TACC.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

ACAD-8503 1.0 (*) B L

Goal. Review TACC Operations.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. List the employment options for the TACC and their uses.

2. Describe the command relationships for the TACC associated with amphibious operations.
3. Identify the siting considerations for the TACC.
4. Identify the items address in a crew turnover.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.4 TACC Handbook
2. U-TACC-PCL-6012 TACC Pocket Checklist

ACAD-8504 1.0 (*) B L

Goal. Review TACC communications nets and datalinks.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Identify and describe four of the eight MAGTF nets utilized by a doctrinal TACC.
2. Identify the primary net utilized by the following positions: CBC, DBC, ADC, and ICO.
3. Define and explain the following TDLs: Link 11, Link 11B, and Link 16.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

3. TACC Planning.

- a. Purpose.
- b. Total Training Events. 4 events, 4 hours

EVENT	T&R CODE
OPLANS AND OPORDERS	ACAD-8520
TACC EMPLOYMENT AND PLANNING	ACAD-8521
ALTERNATIVE TACC REQUIREMENTS	ACAD-8522
HANDLING AND STORAGE OF CLASSIFIED MATERIALS	ACAD-8523

ACAD-8520 1.0 (*) B L

Goal. Review OPLANS and OPORDERS.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Define the following terms: Operations Order and Operations Plan.
2. State the two categories of planning.
3. State the definition of operational planning.
4. State what operational planning involved at the strategic, operational, and tactical level of planning.
5. State the three types of directives.
6. List the phases of planning a Joint OPLAN and the entities that are responsible for completing it.
7. Identify the main sections within the Joint Operations Plan.

Instructor. BI, SI

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Reference

1. JP 1-02 Department of Defense Dictionary of Military and Associated Terms
2. MCDP 5 Planning
3. MCDP 6 Command and Control

ACAD-8521 1.0 (*) B _____ L

Goal. Review TACC Employment and Planning.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. List the eight factors to consider when selecting a tactical site for the TACC.
2. Diagram the preferred layout for a doctrinal Marine TACC to include all four functional areas.
3. List all items included in a TACC Shelter Suite.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8522 1.0 (*) B _____ L

Goal. Review Alternative TACC Requirements.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the conditions that must be met to establish the Alternate TACC.

2. State the additional required radio nets for the TACC to pass control to the Alternate TACC.
3. State the operational information required to pass control to the ATACC.
4. State the role of the ATACC.
5. Describe the equipment organic to the TAOC that allows for an alternate TACC.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.4 TACC Handbook
2. MCWP 3-25.7 TAOC Handbook

ACAD-8523 1.0 (*) B _____ L

Goal. Review proper handling and storage of classified materials.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the two-person integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCO P5510.1A
2. EKMS-1

4. TACC Crew Positions.

a. Purpose.

b. Total Training Events. 10 events, 10 hours

EVENT CODE	TACC CREW POSITION MODULE
8540	SENIOR AIR COORDINATOR RESPONSIBILITIES
8541	CLOSE BATTLE COORDINATOR RESPONSIBILITIES
8542	AIR DEFENSE COORDINATOR RESPONSIBILITIES
8543	AIRSPACE CONTROL OFFICER RESPONSIBILITIES
8544	INTERFACE CONTROL OFFICER ACADEMIC RESPONSIBILITIES
8545	CREW CHIEF ACADEMIC RESPONSIBILITIES
8546	TRACK DATA COORDINATOR RESPONSIBILITIES
8547	SENIOR WATCH OFFICER RESPONSIBILITIES

8548	DEEP BATTLE COORDINATOR RESPONSIBILITIES
8549	PERSONNEL RECOVERY COORDINATOR RESPONSIBILITIES

ACAD-8540 1.0 (*) B L

Goal. Review SAC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC SAC.
2. Indentify the twelve responsibilities of the SAC as defined in the reference.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8541 1.0 (*) B L

Goal. Review CBC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC CBC.
2. List the specific responsibilities of the CBC as defined in the reference.
3. List what doctrinal nets the CBC will monitor, guard, or assume net control.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8542 1.0 (*) B L

Goal. Review ADC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC ADC.
2. List the specific responsibilities of the ADC defined in the reference.
3. List what doctrinal nets the ADC will monitor, guard, or assume net control.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the

student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8543 1.0 (*) B L

Goal. Review ACO Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC ACC.
2. List the specific responsibilities of the ACC as defined in the reference.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8544 1.0 (*) B L

Goal. Review ICO Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC ICO.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8545 1.0 (*) B L

Goal. Review CC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. List the five responsibilities of the Crew Chief as defined in the reference.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8546 1.0 (*) B L

Goal. Review TDC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State who assigns the Tack Data Coordinator.
2. Understand different names for the TDC used by other branches of service.
3. Understand the 10 responsibilities of the TDC.
4. Be familiar with the TDC's voice net and what info is passed on it.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8547 1.0 (*) B L

Goal. Review SWO Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC SWO.
2. List the specific responsibilities of the SWO as defined in the reference.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8548 1.0 (*) B L

Goal. Review DBC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC DBC.

2. List nine specific responsibilities of the DBC as defined in the reference.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

ACAD-8549 1.0 (*) B L

Goal. Review PRC Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the doctrinal responsibility of the TACC PRC.
2. List specific responsibilities of the PRC as defined in the reference.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.4 TACC Handbook

5. MACCS Agencies

a. Purpose.

b. Total Training Events. 11 events, 11 hours

EVENT CODE	MACCS AGENCY ACADEMIC MODULE
8560	DASC FUNDAMENTALS
8561	DASC SYSTEMS
8562	DASC OPERATIONS
8563	TAOC FUNDAMENTALS
8564	TAOC SURVEILLANCE SECTION
8565	LAAD FUNDAMENTALS
8566	LAAD EMPLOYMENT
8567	GBAD RESPONSIBILITIES
8568	MATC FUNDAMENTALS
8569	MATC AND FAA
8570	GENERAL ATC CONCEPTS

ACAD-8560 1.0 (*) B L

Goal. Review DASC Fundamentals.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the role of the DASC.

2. List ten specific responsibilities of the DASC.
3. List the DASC crew members and their principal role in the system.
4. List the capabilities and limitations of the DASC.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.5 DASC Handbook

ACAD-8561 1.0 (*) B L

Goal. Review DASC Systems.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Identify the primary communications/operations platform for the DASC.
2. Identify the communication capabilities of the DASC(A).

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.5 DASC Handbook

ACAD-8562 1.0 (*) B L

Goal. Review DASC Operations.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. List the DASC employment options.
2. State three employment scenarios for the DASC(A).
3. State the difference between a DASC and an ASE.
4. State the purpose of an ASLT.
5. Identify the external agencies in which the DASC regularly conducts coordination.
6. Identify extensions of the DASC.
7. Identify with which agency the DASC collocates and the purpose.
8. List the functions of Marine Aviation the DASC supports.
9. List the types of immediate requests the DASC processes.
10. List the agencies the DASC coordinates with during amphibious ops.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.5 DASC Handbook

ACAD-8563 1.0 (*) B L

Goal. Review TAOC Fundamentals.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the role of the TAOC.
2. List the tasks of the TAOC.
3. Describe the cellular structure of the TAOC including all the crew positions and responsibilities.
4. List the TDLs the TAOC is capable of interfacing with.
5. Describe the operating characteristics of the AN/TPS-59(v)3.
6. Describe the operating characteristics of the AN/TPS-63.
7. Identify the major end items included in the following capability sets; TAOC, EW/C, EW, AMD.
8. Describe the relationship between the TAOC with other MACCS agencies.
9. Describe the TAOC capability to serve as the alternate TACC.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.7 TAOC Handbook

ACAD-8564 1.0 (*) B L

Goal. Review TAOC Surveillance Section.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Of the doctrinal roles of the TAOC, state the roles that are assisted and performed by the SID.
2. Of the doctrinal tasks of the TAOC, state the roles that are assisted and performed by the SID.
3. State the doctrinal responsibilities of the SID.
4. State the doctrinal mission of the surveillance section.
5. State the doctrinal responsibilities of the Data Link Coordinator.
6. State the doctrinal responsibilities of the Surveillance Operator.
7. State the type of information that is passed over the following nets:
 - a. Track Supervision Net (TSN)
 - b. Data Link Coordination Net (DCN)
 - c. Combat Identification and Detection Net (CI/D)
 - d. Voice Production Net (VPN)
8. State the surveillance personnel that use the following nets:
 - a. TSN
 - b. DCN
 - c. CI/D
 - d. VPN

9. State the NCS for the following nets:
- a. TSN
 - b. DCN
 - c. CI/D
 - d. VPN

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.7 TAOC Handbook
2. NAVMAC 3500.53 TAOC T&R
3. CJCSM 6120.01C Joint Multi-TDL Operating Procedures (JMTOF)

ACAD-8565 1.0 (*) B L

Goal. Review LAAD fundamentals.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the organizational structure of the LAAD BN, to include number of batteries, platoons, sections, and teams per unit.
2. State the smallest tactical unit within a LAAD BN/BTRY.
3. State the smallest tactical element in a LAAD BN/BTRY.
4. State the geographical location of all LAAD units.
5. State primary and secondary missions of LAAD BN.
6. State the doctrinal radio nets organic to the LAAD BN.
7. State the staff sections of the LAAD BN and their functions.
8. State the levels of support the LAAD BN/BTRY provides to MAGTF.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.10 LAAD Handbook
2. NAVMAC 3500.57 LAAD T&R

ACAD-8566 1.0 (*) B L

Goal. Review LAAD employment in an air defense role.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Define the air defense employment guidelines.
2. Define the air defense employment principles.

3. Define the terms used to prioritize air defense assets.
4. Define command relationships.
5. Define the doctrinal four weapon applications.
6. Define the implied task of Defense of Expeditionary Strike Group Posture (DEP).
7. Define the Air Defense Weapons Conditions (ADWC).
8. Define the air defense States of Alert (SoA).
9. Define the air defense Weapons Control Statuses (WCS).
10. State or identify the basic information required in order to properly employ a LAAD unit/element:
 - a. OPCON Authority
 - b. ADCON Authority
 - c. Mission
 - d. Rules of Engagement

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.10 LAAD Handbook
2. NAVMAC 3500.57 LAAD T&R

ACAD-8567 1.0 (*) B L

Goal. Review GBAD Responsibilities.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Identify the doctrinal definition, establishment and information passed over the following nets:
 - a. AAI/AAC (Anti-Aircraft Intel/Anti-Aircraft Control)
 - b. AOC (Air Ops Control)
 - c. CID (Combat ID)
 - d. ADA (Air Defense Alert)
2. Identify the Data Link used by different GBAD units.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-25.10 LAAD Handbook
2. MCWP 3-22 AAW
3. NAVMAC 3500.53 TAOC T&R

ACAD-8568 1.0 (*) B L

Goal. Review MATC Fundamentals.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Identify the mission and responsibilities MATC.
2. Describe how MATC crews are typically organized.
3. Describe the responsibilities of the command section, maintenance section, tower section, and radar control section.
4. Describe the mission and functions of the MMT.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. MCWP 3-25.8 MATC Handbook

ACAD-8569 1.0 (*) B L

Goal. Review airspace and MATC considerations in regard to the Federal Aviation Administration (FAA) or host-nation equivalent.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Status of MATC equipment systems.
2. Operational tempo of civilian flights within local airspace.
3. Liaison between FAA and MATC representatives.
4. Information flow between civilian and military MATC personnel.
5. Control measures to deconflict military/civilian aircraft, to include:
 - a. IFR / VFR routes
 - b. Special use airspace
 - c. Military operating areas

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. JO 7610.4 Special Operations
2. Area Planning AP/1A Special Use Airspace North and South America

ACAD-8570 1.0 (*) B L

Goal. Review general ATC concepts.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Describe the purpose of ATC.
2. Describe the meaning of specific terms of references.
3. Describe ATC service, duty priority, operational priority and procedural preference.
4. Describe flight plans and control information.
5. Describe team position responsibilities.
6. Describe criteria and phraseology for establishing two way communications.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference. JO 7610.65 Air Traffic Control

6. Air Defense Operations

a. Purpose.

b. Total Training Events. 5 events, 5 hours

EVENT CODE	AIR DEFENSE ACADEMIC MODULE
8580	CAP MANAGEMENT
8581	FIGHTER MISSIONS
8582	U.S. AND ALLIED AIR-TO-AIR MISSILES
8583	JOINT AIR DEFENSE
8584	IDENTIFICATION PROCEDURES

ACAD-8580 1.0 (*) B 1 L

Goal. Review CAP Management.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the advantages and disadvantages of fighter strip versus fighter CAP.
2. List the factors that determine the fighter time/distance analysis.
3. State the considerations needed to optimize CAP effectiveness in the MAGTF IADS.
4. State the nine factors that should be considered for Cap placement.
5. List and define the States of Alert for fighter aircraft.
6. State the items that comprise responsiveness to the Threat Timeline.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-22 AAW
2. NAVMAC 3500.53 TAOC T&R

ACAD-8581 1.0 (*) B L

Goal. Review Fighter Missions.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Explain DCA.
2. Explain OCA.
3. Explain self-escort.
4. Explain Drag-to-Defend tactics.
5. Explain Notch to Defend tactics.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. TOPGUN manual
2. NAVMAC 3500.53 TAOC T&R

ACAD-8582 1.0 (*) B L

Goal. Review U.S. and Allied Air-to-Air Missiles.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Describe the type of terminal guidance, and the unclassified max effective range of the following missiles:
 - a. AIM-7
 - b. AIM-9
 - c. AIM-120

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MAWTS-1 Aviation Intelligence Reference
Located on SIPR: <http://205.54.31.5/default.aspx>
2. NAVMAC 3500.53 TAOC T&R

ACAD-8583 1.0 (*) B L

Goal. Review Joint air defense weapons systems and Joint air surveillance assets.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. US Army capabilities and limitations:
 - a. Patriot
 - b. SHORAD
 - c. THAAD
2. US Navy capabilities and limitations:
 - a. Aegis Guided Missile Cruisers and Destroyers
 - b. SPY-1 Radar
 - c. F/A-18C/D
 - d. E-2C Hawkeye
3. US Air Force capabilities and limitations:

- a. Combat Reporting Center (CRC)
- b. AN/TPS-75 Radar
- c. F-15C/E
- d. F-16C/CJ/ADF
- e. Air Operations Center (AOC)
- f. E-3 Airborne Warning and Control
- g. Joint Surveillance, Target Attack Radar System (JSTARS)

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCRP 3-25E Joint Integrated Air Defense System (JIADS)
2. JP 3-01 Joint Doctrine for Countering Air and Missile Threats
3. NAVMAC 3500.57 LAAD T&R

ACAD-8584 1.0 (*) B _____ L

Goal. Review Identification Procedures.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Define the following:
 - a. Positive Control
 - b. Air Defense Identification Zone (ADIZ)
2. Explain how the following Airspace Control Measures are used to identify aircraft:
 - a. Control points
 - b. Airspace Control Area
 - c. Ingress/Egress routes/Minimum Risk Routes
 - d. Flight profiles (altitude and speed)
3. Explain how the following are used to identify aircraft:
 - a. Identify Friend or Foe (IFF) (Modes 1, 2, 3, 4, and 5)
 - b. Air Tasking Order (ATO)
4. Explain the relationship between I.D. Criteria and ROE.
5. State the OORDER appendix that contains ROE and Identification Criteria.
6. Explain the purpose and usage of the authentication table (AKAC 1553).
7. Define the 6 standard track identifications, in accordance with the Joint Multi-TDL Operating Procedures (JMTOF).
8. List the five track environment categories, in accordance with the Joint Multi-TDL Operating Procedures (JMTOF).

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCWP 3-22 Anti-Air Warfare
2. MCWP 3-25 Control of Aircraft and Missiles
3. CJCSI 6120.1D JMTOF

7. Datalink Operations

a. Purpose.

b. Total Training Events. 11 events, 11 hours

EVENT CODE	DATALINK ACADEMIC MODULE
8600	LINK 11
8601	LINK 11B
8602	LINK 16
8603	GBDL
8604	EXTENDED INTERFACES
8605	INTERFACE COORDINATION
8606	JOINT DATALINK OPERATIONS
8607	JREAP
8608	TACTICAL DATA SYSTEM PLATFORMS
8609	NATIONAL DATA SYSTEMS
8610	LINK OPS MESSAGE

ACAD-8600 1.0 (*) B _____ L

Goal. Review Link 11.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Define Link 11.
2. List and define the station modes of operation.
3. List and define the net modes of operation.
4. List the encryption devices used for Link 11 and state which one can be found in the AN/TYQ-23(v)4.
5. Describe the characteristics for the following encryption modes:
 - a. A1
 - b. A2
 - c. B
 - d. Plain Text
6. State the purpose of the KGX-40 State the supported data rates for Link 11 and give a brief description of each.
7. Describe the NCS responsibilities.
8. Describe Link 11 Gridlock.
9. State the message format for Link.
10. Define Data Link Reference Point.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. TAOM tech manual
2. CJCSM 6120.01D, Joint Multi-TDL Operating Procedures (JMTOP)
3. NAVMAC 3500.53 TAOC T&R

ACAD-8601 1.0 (*) B _____ L

Goal. Review Link 11B.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the definition of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the encryption devices used for Link 11B.
4. State the interoperability differences between a KG-84A and KG-84C.
5. State the device necessary for Army LINK 11B units utilizing MSE equipment to communicate with the TAOC, who provides it, and why it is necessary.
6. State the data rates by which LINK 11B can be transmitted.
7. Give and explain the LINK 11B link states.
8. State what size "data message" is utilized for LINK 11B.
9. State the three LINK 11B data message groups.
10. State the purpose of the LINK 11B standby signal.
11. State the differences between Full Transmission of Data and Limited Transmission of Data.
12. State the valid unit address range for LINK 11B.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. TM-08565A 24/3, Tactical Air Operations Module Technical Manual
2. CJCSM 6120.01D, Joint Multi-TDL Operating Procedures (JMTOF)
3. NAVMAC 3500.53 TAOC T&R

ACAD-8602 1.0 (*) B L

Goal. Review Link 16.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the definition of Link 16.
2. State the purpose of Link 16.
3. State the characteristics of Link 16.
4. State the legal / preferred IU address range for a Link 16 C2 JU.
5. State the definitions of:
 - a. Time Division Multiple Access (TDMA)
 - b. Network Design Load (NDL)
 - c. Network Time Reference (NTR)
 - d. Coarse Synchronization (Coarse Sync)
 - e. Fine Synchronization (Fine Sync)
 - f. Initial Entry JTIDS Unit (IEJU)
6. Define the following terms:
 - a. TSEC
 - b. MSEC
 - c. Stacked Net
 - d. Multi-Net
7. List and explain the components found in the Class 2/2H terminal.
8. List the systems capable of utilizing Link 16.
9. List the countries capable of utilizing Link 16.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. TM-08565A 24/3, Tactical Air Operations Module Technical Manual
2. CJCSM 6120.01D, Joint Multi-TDL Operating Procedures (JMTOP)
3. NAVMAC 3500.53 TAOC T&R

ACAD-8603 1.0 (*) B L

Goal. Review Ground-Based Datalink.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. List and identify the standard equipment requirements for establishing GBDL.
2. List and identify all sources organic to the MACCS capable of providing for GBDL information.
3. List and describe GBDL communications configurations.
4. List and define capabilities and limitations of ground based data links.
5. Identify the two vital documents required to create GBDL communications architectures.
6. Identify planning considerations for GBDL communication architectures.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MCRP 3-25.10B LAAD GUNNER'S HANDBOOK
2. NAVMAC 3500.53 TAOC T&R

ACAD-8604 1.0 (*) B L

Goal. Review Extended Interfaces.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Link 4A.
2. ATDL-1.
3. Variable Message Format (VMF).
4. Link 16: list the systems capable of utilizing Link 16.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. MAWTS-1 GBDL Student Handout
2. NAVMAC 3500.53 TAOC T&R

ACAD-8605 1.0 (*) B L

Goal. Review Interface Coordination.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State who controls the establishment of the Multi-TDL interface.
- 2: Define the following:
 - a. Data registration
 - b. Sensor registration
 - c. Correlation
 - d. Common track
 - e. Dual designation
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JMTOPI, what is the single most important element of information of the TDL interface.
9. Outline in detail the ID difference resolution procedures.
10. Define a Change Data Order (CDO).
11. State who on the interface may originate a CDO.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. CJCSM 6120.01D Joint Multi-TDL Operating Procedures (JMTOPI)
2. MIL STD 6016
3. NAVMAC 3500.53 TAOC T&R

ACAD-8606 1.0 (*) B L

Goal. Review Joint Tactical Air Operations Datalink Operations.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Define Joint Tactical Air Operations.
2. Define the JTAO Interface.
3. State the primary mission of the Interface Management duty assignments:
 - a. Joint Interface Control Officer (JICO)
 - b. Link 11/11B Manager
 - c. Link 16 Manager

- d. Track Data Coordinator (TDC)
4. State who is responsible for assigning each of the above players.
5. List the interface responsibilities of the Joint Interface Control Officer/Unit.
6. List the interface responsibilities of the Track Data Coordinator.
7. State the document that contains the primary and alternate assignments for interface control and coordination responsibilities.
8. List the Seven JTAO interface planning factors.
9. List the planning factors JTAO managers require.
10. Describe the procedures for entering into a mature TDL network.
11. Define Reporting Responsibility.
12. Explain how a unit can have reporting responsibility for a track not in its track number block.
13. State the purpose of Fidelity Drills on the JTAO Interface.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. CJCSM 6120.01D Joint Multi-TDL Operating Procedures (JMTOP)
2. NAVMAC 3500.53 TAOC T&R

ACAD-8607 1.0 (*) B _____ L

Goal. Review Joint Range Extension Application Protocol (JREAP).

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Define Joint Range Extension Application Protocol (JREAP).
2. State the exchange mediums for:
 - a. JREAP-A
 - b. JREAP-B
 - c. JREAP-C
3. State the limiting factors for:
 - a. JREAP-A
 - b. JREAP-B
 - c. JREAP-C
4. List the characteristics of the following systems are available for JREAP operations:
 - a. Join Range Extension (JRE)
 - b. Air Defense System Integrator (ADSI)

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. JRE and ADSI tech manuals
2. Joint Multi-TDL Operating Procedures (JMTOP)
3. NAVMAC 3500.53 TAOC T&R

ACAD-8608 1.0 (*) B L

Goal. Review Tactical Data Systems (TDS) Platforms.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the data link capabilities of USMC TDS Platforms.
2. State the data link capabilities of Navy TDS Platforms.
3. State the data link capabilities of Air Force TDS Platforms.
4. State the data link capabilities of Army TDS Platforms.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. CJCSM 6120.01D Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. NAVMAC 3500.53 TAOC T&R

ACAD-8609 1.0 (*) B L

Goal. Review National Data Systems.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Commanders' Tactical Terminal.
2. DATA HAWK:
 - a. GaleLite
3. Intelligence Broadcast Service:
 - a. TIBS
 - b. TRAP
4. National Systems Cueing.

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. Guide to the USMTF User Formats - Operational Tasking Links
2. CJCSM 6120.01D, Joint Multi-TDL Operating Procedures (JMTOP)
3. NAVMAC 3500.53 TAOC T&R

ACAD-8610 1.0 (*) B L

Goal. Review Links Ops Messages.

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. State the purpose of the OPTASKLINK.
2. Explain the information contained in the following sets:

- a. "PERIOD" set
 - b. "UNITFLTR" set
 - c. "LKFREQ" set
 - d. "REF" set
 - e. "OPER" set
 - f. "EXER" set
3. Explain the information in the following sets associated with Link 11:
- a. "DUTY" set
 - b. "LSYSDATA" set
 - c. "LPUDATA" set
 - d. "POLLSEQ" set
4. Explain the information contained in the following sets associated with Link 11B:
- a. "DUTY" set
 - b. "LRUDATA" set
 - c. "LRULINK" set
5. Explain the information contained in the following sets associated with Link 16:
- a. "NETWORK" set
 - b. "CRYPDAT" set
 - c. "JUDATA" set
 - d. "DUTY" set

Performance Standard. Although self paced, instructors may assist trainees as required. Upon completion of the requirement, the student will notify the instructor who will log the event as complete.

Instructor. BI, SI

Reference

1. Guide to the USMTF User Formats - Operational Tasking Links
2. CJCSM 6120.01D, Joint Multi-TDL Operating Procedures (JMTOF)
3. NAVMAC 3500.53 TAOC T&R

8. Airspace

- a. Purpose.
- b. Total Training Events. 2 events, 2 hours

EVENT CODE	AIRSPACE ACADEMIC MODULE
8620	AIRSPACE COORDINATING MEASURES
8621	JOINT AIRSPACE

ACAD-8620 1.0 (*) B L

Goal. Review Airspace Coordinating Measures (ACM).

Requirement. Given the references, conduct a self paced review to ensure understanding of the following learning objectives:

1. Identify the elements of an airspace coordination means request.
2. Describe the following classes of airspace: A, B, C, D, E, and G.
3. Given a list of 25 ACMs from the reference, provide the definition and purpose for each.