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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

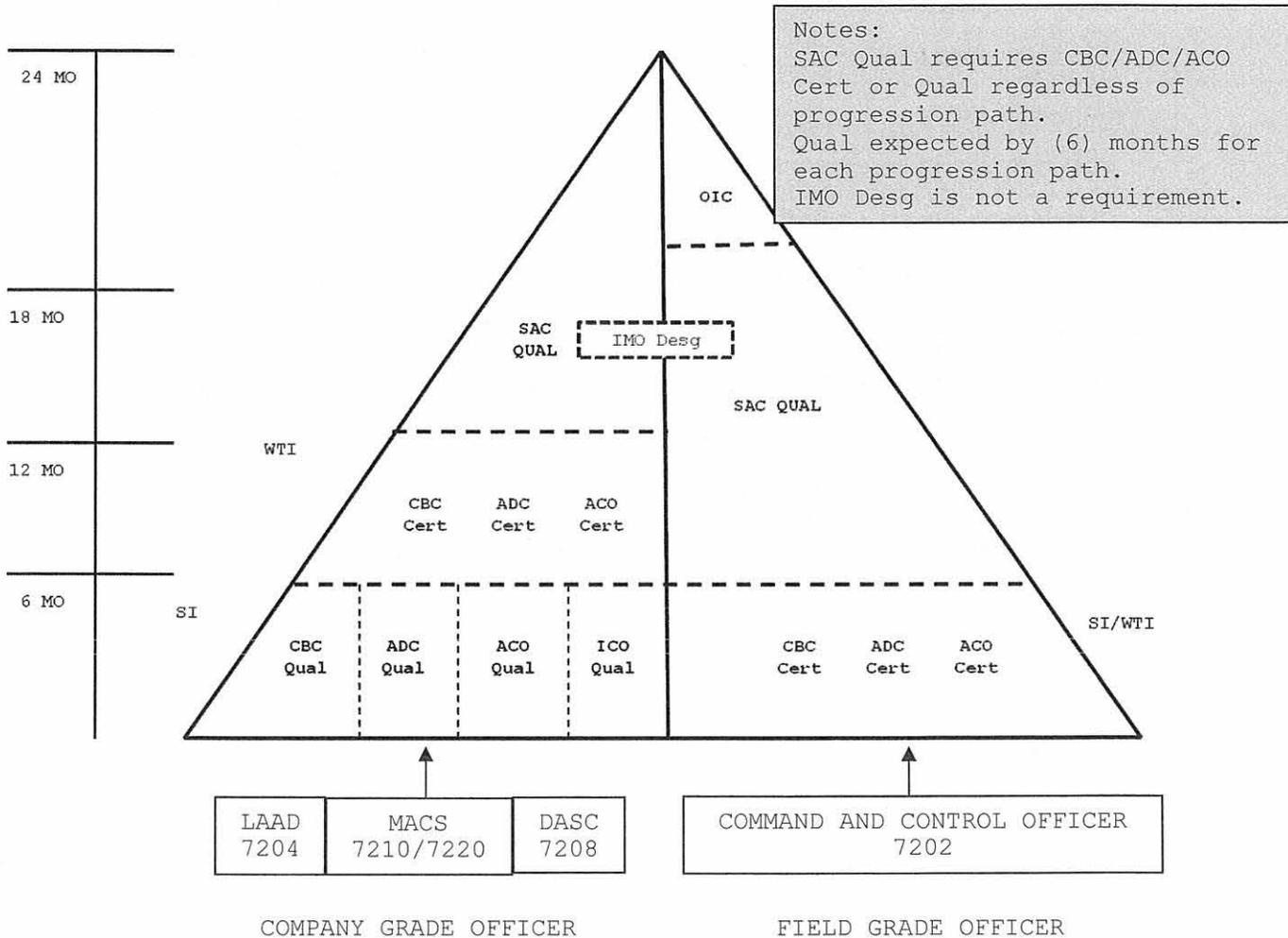
MARINE TACTICAL AIR COMMAND SQUADRON/72XX
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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

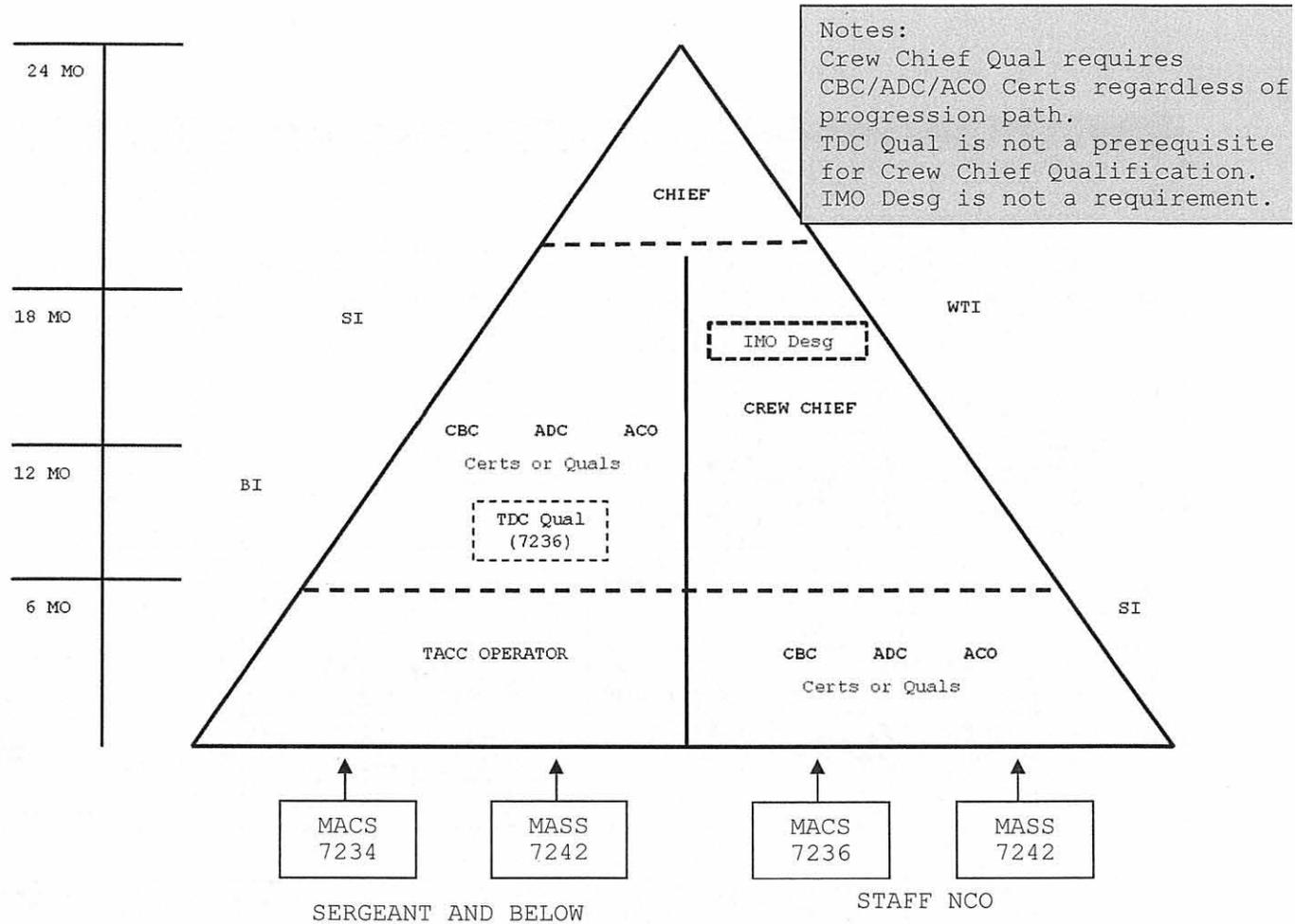
- a. This model represents the recommended training progression for the average 72XX officer crewmember. Units should use the model as a point of departure to generate individual training plans.

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