

T&R MANUAL, METOC

CHAPTER 3

METOC OFFICER
(MOS 6802/6877)

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CHAPTER 3

METOC OFFICER
(MOS 6802/6877)

300. CORE COMPETENCIES/SKILLS

1. Meteorological and Oceanographic (METOC) Unit Mission. The mission of the Marine Corps METOC Unit is to provide meteorological, oceanographic, and space environmental information, products, and services required in support of joint, combined, and Marine Corps operations as directed.

2. Mission Essential Task List (METL)

a. Collect, record, and disseminate METOC parameters in support of joint, combined, and Marine Corps operations.

b. Analyze, evaluate, and forecast METOC parameters in support of joint, combined, and Marine Corps operations.

c. Assess and disseminate METOC impacts to weapons systems in support of joint, combined, and Marine Corps operations.

3. METOC Core Capability

a. Core competent aviation METOC units are capable of:

(1) Supporting continuous (24/7) aviation operations based from a Forward Operating Base (FOB) with remote atmospheric sensing capabilities for up to two Forward Arming And Refueling Points (FARP).

(2) Providing continuous 24/7 environmental support to CONUS and OCONUS garrison Marine Corps Air Stations and Facilities in the form of seamless METOC surface and upper air observations and forecasts out to 96 hours.

(3) Providing timely and accurate weather warnings to local bases and stations for protecting resources.

b. Core competent METOC Support Teams (MST) are capable of:

(1) Providing continuous METOC support to non-aviation elements of the MAGTF during planning, execution, and debrief of all missions.

(2) Providing mission and task organized, rapidly deployable METOC capabilities that enhance the unit commander's ability to exploit the environment and facilitate mission success.

301. PROGRAMS OF INSTRUCTION (POI) FOR BASIC METOC OFFICER

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
39-61	COMBAT READY TRAINING	LOCAL METOC
62-79	COMBAT QUALIFICATION TRAINING	LOCAL METOC
80-WC	FULL COMBAT QUALIFICATION TRAINING	LOCAL METOC

302. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS. Tables 3-1 thru 3-3 contains a listing of the Apprentice METOC Analyst's Combat Capable, Combat Ready, Combat Qualification and Full Qualification training events with associated page numbers.

Table 3-1.--METOC Officer Combat Ready Events.

EVENT	GOAL	PAGE
FAM-200	Understand equipment casualties reporting procedures	3-10
OPS-201	Submit meteorological support requirements to communications annex of an operations order	3-11
OPS-202	Submit meteorological support requirements to the intelligence annex of an operations order	3-11
ADM-203	Understand the maintenance, management and material processes of the meteorological mobile facility replacement (METMF(R))	3-12
ADM-204	Consolidate customer support requirements	3-12

Table 3-2.--METOC Officer Combat Qualified Events.

EVENT	GOAL	PAGE
ADM-300	Identify doctrinal, equipment and training deficiencies	3-13
ADM-301	Verify and submit a quality deficiency report (QDR)	3-13
ADM-302	Identify and submit fiscal requirements	3-13
ADM-303	Develop standard operating procedures and desktop procedures	3-14
ADM-304	Conduct and evaluate pre-deployment screenings and inspections	3-14
ADM-305	Provide information for base engineering site evaluation plan (BESEP) equipment studies.	3-14
ADM-306	Establish and maintain liaison with other services	3-15
ADM-307	Brief meteorological and oceanographic (METOC) capabilities	3-15
ADM-308	Support staff planning	3-15
OPS-309	Develop meteorological and oceanographic annex H for an operation order	3-16
SEC-310	Establish a security program	3-16
TRN-311	Establish and conduct certification program for METOC personnel	3-17
TRN-312	Establish and conduct tower visibility certification procedures for air traffic control personnel	3-17
TRN-313	Establish a meteorological and oceanographic training program to satisfy MAGTF METOC support requirements	3-17

Table 3-3.--METOC Officer Full Combat Qualified Events.

EVENT	GOAL	PAGE
ADM-400	Conduct a meteorological and oceanographic staff study for each new DOD weapon system	3-18
OPS-401	Perform duties as a Joint/Combined METOC Officer	3-18
OPS-402	Perform duties as a Marine Forces (MARFOR) Staff METOC Officer	3-19
TRN-403	Provide Marine Aviation Weapons and Tactics instruction	3-19
TRN-404	Establish and conduct a Weapons and Tactics Training Program	3-20

303. SUMMARY/INDEX OF INSTRUCTOR TRAINING EVENTS. Table 3-4 contains a listing of the events for weapons tactics instructor qualification.

Table 3-4.--Instructor Training Events.

EVENT	GOAL	PAGE
WTI-500	Weapons and Tactics instructor training	3-20

304. SUMMARY/INDEX OF REQUIREMENTS/DESIGNATIONS AND QUALIFICATIONS. Table 3-5 contains a listing of the events for requirements, qualifications, and designations with associated page numbers.

Table 3-5.--Requirements, Qualification and Designation List.

EVENT	GOAL	PAGE
WTI-600	Tracking code for Weapons and Tactics Instructor qualifications	3-21

310. ACADEMIC TRAINING

1. General. Meteorological and oceanographic support revolves around products derived from raw data that is plotted, analyzed, and interrogated using analytical rigor based on knowledge and application of meteorological theories, rules of thumb and computer model algorithms. In order to become proficient within the METOC structure, all 6800 personnel receive extensive academic training in meteorological and oceanographic sciences.

2. Prerequisites. The Military Occupational Specialties (MOS) manual denotes the academic pre-requisites (GT and EL scores) for initial ascension into the MOS.

3. Security. All personnel assigned the 6802 MOS are required to be eligible for Top Secret clearance per the MOS manual.

4. Academic training. Formal academic training courses are required to ensure uniform levels of training in core competencies and skills. Formal schools are schools that receive Navy and Marine Corps educational funding and have approved syllabuses.

a. Coding

(1) Formal schools are coded by the Course Identification Number (CIN) for Navy courses and Course Identification (CID) for Marine Corps courses.

(2) Informal course materials are coded to facilitate inclusion in the events.

b. Formal courses required for completion of this Basic Program of instruction (POI) are:

(1) Weapons Tactics Instructor (WTI) Course.

(2) A listing of academic courses available to enhance the syllabus or required to complete the syllabus are listed in Appendix A.

5. References. Appendix B contains a listing of references utilized in the development of the training and readiness syllabus. Individual training events require adherence to the references contained within the table. Due to the comprehensive nature of the events, extensive references, and rapid changing content, including references in each event would not be prudent.

320. EVENT TRAINING

1. Progression model. Figure 3-1 depicts the training progression model for the 6802/6877 MOS.

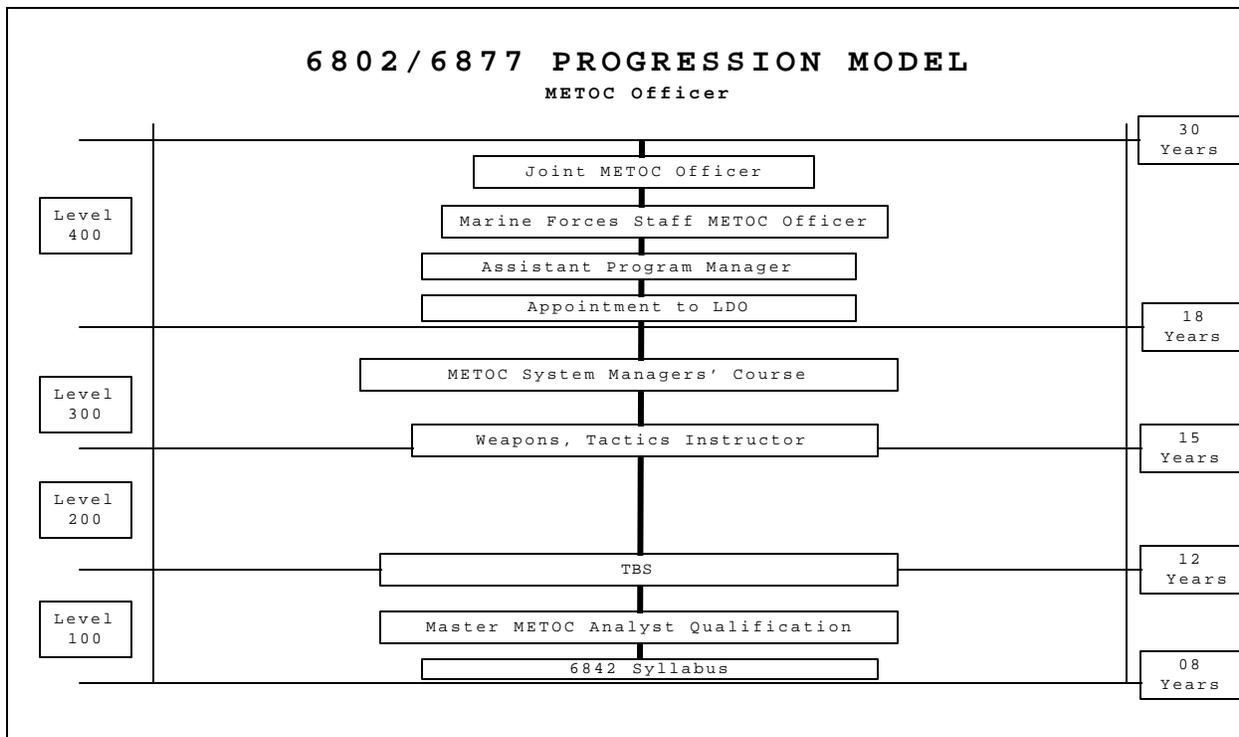


Figure 3-1.--Progression Model for METOC Officers.

2. METOC Officers transition from the 6842 MOS, the attainment of 'Master METOC Analyst' may not have been achieved. It is imperative that the new Warrant Officer, as an OccFld subject matter expert, completes the 100-400 level goals of the 6842 that were not previously completed. All the 6842 100-400 level goals are identified as 6802 200 level goals. This proficiency significantly increases the readiness of the unit and the capability and flexibility of the METOC section. Upon completion of the 6802 200 level goals, the METOC Officer may be assigned to Marine Aviation Weapons and Tactics course.

321. EVENT/CRP. Table 3-6 provides a listing of the events, hours and combat readiness percentage for each stage of the syllabus.

Table 3-6.--Event/CRP Breakdown Table.

COMBAT READY STAGE OF TRAINING			
STAGE	EVENTS	HOURS	PERCENT
Administration (ADM)	2	6	5
Familiarization (FAM)	1	2	5
Operations (OPS)	2	12	5
COMBAT CAPABLE TOTALS:	5	20	15
COMBAT QUALIFICATION STAGE OF TRAINING			
STAGE	EVENTS	HOURS	PERCENT
Administration (ADM)	9	162	5
Operations (OPS)	1	56	5
Security (SEC)	1	24	5
Training (TRN)	3	10	5
COMBAT READY TOTALS:	14	252	20
FULL COMBAT QUALIFICATION STAGE OF TRAINING			
STAGE	EVENTS	HOURS	PERCENT
Administration (ADM)	1	18	5
Operations (OPS)	2	48	5
Training (TRN)	2	7	5
COMBAT QUALIFICATION TOTALS:	26	73	15

330. EVENT PERFORMANCE REQUIREMENTS1. Purpose

The purpose of training and readiness (T&R) manual events is to enhance combat readiness of METOC units. Core and core plus skills are advanced through the implementation of events, approved by fleet representation, to provide a measurable and chronological advancement of skills.

2. General

a. This manual is written to allow for local requirements and yet remain unclassified. DC AVN and CG MCCDC encourage squadrons to use the full range of tactics in the tactical manuals and adopt the latest in training requirements.

b. Live Training. Training event condition codes listed as **L** (live), **L/S** (live preferred/simulator optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code. A number of the live and simulated events require interaction with external C3 agencies. This interaction/interface is important to the individual, crew, and agency training.

c. Simulator Training. Training event condition codes listed as **S** (simulator), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted as indicated in the condition code. A number of the live and simulated events require interaction with external

agencies. This interaction/interface is important to the individual, crew, and agency training.

3. Evaluation of Training. Evaluation will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. At the commanders' discretion, a Marine may receive credit for task completion through an oral explanation of the steps rather than by performing the task.

4. Implementation

a. Unit commanders are the designating authority. Unit commanders may further delegate designation authority to the METOC Officer in Charge (OIC) or senior Staff Non-commissioned in charge in the absence of an METOC Officer.

b. Events shall be conducted by the designated trainee and administered, evaluated, and documented (once completion) designating authority.

c. Documentation and tracking of event completion and progression will be completed by use of the ATRIMS program and in individual training jackets.

5. COMPONENTS OF A T&R EVENT. An event contained within a T&R Manual is an Individual or collective training standard and the following elements, dependent on the tier in which they are contained:

1/ SAM-XXX	2/ 0.5	3/ T,C,R,	4/ E	5/ EQUIP	6/ L/S	7/ (NS)
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Goal. State the terminal-learning objective.

Requirement. List the specific tasks for the event; indicate what the crew/individual must accomplish.

Performance Standard. Describe the measurable level of proficiency for that core competency/skill.

Prerequisite. Provides a listing of academic training or other T&R events that must be completed prior to satisfying the task.

External Syllabus Support. A listing or description of the external support requirements that may be required to satisfy the completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

NOTES:

1/ Events are coded per Appendix B of T&R Manual Administrative Manual.

2/ Projected event duration is furnished as a planning tool.

3/ Denotes the applicable Program of Instruction (Basic POI is understood), Z is reserve, R is refresher.

4/ An "E" indicates an Evaluated event.

5/ The equipment or activity subcategory is listed **GE** = Garrison Equipment; **M** = METMF(R); **N** = NITES IV; **C** = Computer System

6/ Requirement Code. **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; Where contained within () denotes optional conditions.

7/ Elements of the events may be deleted if not applicable to the event. (example: External Syllabus Support may be deleted if not required for the event)

6. Event Codes. Table 3-7 provides a listing of event codes.

Table 3-7.--Event Code and Description.

Event Code	Description
ADM	ADMINISTRATIVE
FAM	FAMILIARIZATION
TRN	TRAINING
OPS	OPERATIONS
SEC	SECURITY
MGM	MANAGEMENT

331. COMBAT CAPABLE TRAINING. Development and selection of Warrant Officers from the METOC enlisted community negates the requirement for combat capable training of METOC personnel. METOC officers shall complete all Qualifications and designations contained within Chapter 2 of the METOC T&R manual.

332. COMBAT READY TRAINING

1. Familiarization (FAM)

a. Purpose. To continue the development of advanced METOC knowledge of the principles and concepts relating to METOC operations for a METOC Officer.

b. General. This portion of the Combat Ready Stage of training continues the progression of the Master METOC Analyst designation in addition with the 6802 200 level training goals.

c. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

d. Events

FAM-200 2 Z E N/A L

Goal. Understand equipment casualties reporting procedures.

Requirement. Given a meteorological and oceanographic (METOC) equipment casualty, report the equipment casualty to higher headquarters via a naval

message in casualty report (CASREP) format within 24 hours as directed by the reference.

- (1) Identify an equipment casualty.
- (2) Research reporting procedures.
- (3) Draft the casualty report.
- (4) Contact the METOC Systems Knowledge Center for initial CASREP reporting and Systems Command notification.
- (5) Submit the casualty report for naval message release.
- (6) Submit follow-up casualty reports as required.

Performance Standard. CASREP and supplemental reports must be completed in accordance with applicable references.

2. Operations (OPS)

a. Purpose. To continue the development of advanced METOC knowledge of the principles and concepts relating to METOC operations for a METOC Officer.

b. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

c. Events

OPS-201	3	Z	E	N/A	L
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Goal. Submit meteorological support requirements to communications annex (Annex K) of the operations order.

Requirement. Provide meteorological and oceanographic communications requirements for inclusion to Annex K for a specific operation.

- (1) Determine METOC communications requirements based upon Annex H.
- (2) Provide METOC communications requirements to the communications officer for inclusion in annex K.

Performance Standard. Must be in accordance with applicable orders and directives.

OPS-202	3	Z	E	N/A	L
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Goal. Submit meteorological support requirements to Intelligence Annex (Annex B) of the Operations Order.

Requirement. Provide meteorological and oceanographic climatology study for inclusion to Annex B for a specific operation.

- (1) Determine Intelligence climatological requirements based on the intelligence estimate in the warning order.
- (2) Provide climatological data to the intelligence officer for inclusion into Annex B.

Performance Standard. Must be in accordance with applicable orders and directives.

3. Administration (ADM)

a. Purpose. To continue the development of administrative knowledge pertaining to METOC support.

b. Events

ADM-203 6 Z E N/A L

Goal. Understand the maintenance, management, and material processes of the MetMF(R).

Requirement. Properly maintain inventory and coordinate requisition and repair of COSAL and TBA items with the MALS.

- (1) Verify all METOC equipment on accounts by applicable nomenclature and/or National Stock Numbers (NSN).
- (2) Supervise the requisition of replacement equipment/material or documented deficiencies.

Performance Standard. Must be in accordance with applicable orders and directives.

ADM-204 6 Z E N/A L

Goal. Consolidate Customer support requirements.

Requirement. Consolidate METOC support requirements to enhance efficiency and identify deficiencies and provide METOC data and products to satisfy all support requirements.

- (1) Identify customer METOC support requirements.
- (2) Correlate requirements to METOC support capabilities.
- (3) Prioritize and satisfy support requirements.
- (4) Incorporate support capabilities in appropriate standard operating procedures/desktop procedures for action by METOC personnel.
- (5) Document and forward via the chain of command all requested METOC support requirements not able to be fulfilled.

Performance Standard. Must exhibit the ability to identify and the develop procedures to respond support requests.

333. COMBAT QUALIFICATION TRAINING1. Administration (ADM)

a. Purpose. To continue the development of administrative knowledge pertaining to METOC support.

b. Events.

ADM-300 24 Z E N/A L

Goal. Identify doctrinal, equipment or a training deficiency.

Requirement. Develop a Universal Needs Statement (UNS) identifying doctrinal, equipment or training deficiencies.

- (1) Identify and document support requirements not covered by doctrine.
- (2) Develop UNS to satisfy deficiency.
- (3) Submit UNS to higher headquarters through the chain of command.

Performance Standard. UNS must be completed in accordance with applicable orders.

ADM-301 24 Z E N/A L

Goal. Verify and submit a Quality Deficiency Report (QDR)

Requirement. Prepare and submit a QDR (Standard Form 360) in accordance with OPNAVINST 4790.2 Vol. 2.

- (1) Identify quality deficiencies in METOC equipment.
- (2) Prepare the QDR.
- (3) Review the QDR for accuracy.
- (4) Submit QDR.

Performance Standard. QDR must be in accordance with applicable orders and directives.

ADM-302 56 Z E N/A L

Goal. Identify and Submit Fiscal Requirements.

Requirement. Identify annual projections and mid-year deficiencies and submit locally required reports in support of METOC equipment and operational training requirements.

- (1) Identify annual operational fiscal requirements.
- (2) Estimate annual costs for fiscal requirements.
- (3) Prepare annual budget submission and mid-year review deficiencies.
- (4) Submit annual and review mid-year review budgets to the appropriate fund administrator.
- (5) Monitor and review budgeting accounts in accordance with local directives and policies.
- (6) Identify and submit budget shortfalls in accordance with local directives and policies.

Performance Standard. Must be in accordance with applicable orders and directives.

ADM-303 24 Z E N/A L

Goal. Develop Standard Operating Procedures/Desktop Procedures.

Requirement. The Standard Operating Procedures (SOP) and/or Desktop Procedures must outline and specifically address local procedures and conform to doctrine and policies that governs Marine Corps practices and requirements.

- (1) Review existing or previous SOP's and local directives.
- (2) Assess meteorological and oceanographic support requirements.
- (3) Assess locally imposed manpower, fiscal, facility constraints.
- (4) Document standard operating procedures.
- (5) Submit SOP to the Commanding Officer for approval and signature.

Performance Standard. Must be in accordance with applicable orders and directives.

ADM-304 16 Z E N/A L

Goal. Conduct and evaluate pre-deployment screenings and inspections.

Requirement. Utilizing the MWSG MCCRES and upon notification of impending operation, or quarterly to ensure section deployment readiness, conduct, evaluate and determine whether the meteorological and oceanographic (METOC) unit is capable of providing required services per the mission in support of the MAGTF.

- (1) Conduct and evaluate by mission performance standards (MPS) capability to perform all mission support functions using the MWSG MCCRES checklist.
- (2) Assign grade (mission capable or non-mission capable).
- (3) Utilize inspection results and findings to correct deficiencies.

Performance Standard. must be in accordance with applicable orders and directives.

ADM-305 4 Z E N/A L

Goal. Provide information for Base Engineering Site Evaluation Plan (BESEP) equipment studies.

Requirement. Provide specific information for the completion of the equipment installation BESEP.

- (1) Identify future equipment installation requirements.
- (2) Assist S-4/Facilities Officer/ROICC in identifying location equipment installation.
- (3) Review draft BESEP.
- (4) Provide additional information as required in the development of the BESEP.
- (5) Notify BESEP Engineering Agent when identified plans/facilities change.

Performance Standard. Must be in accordance with applicable orders and directives.

ADM-306 5 Z E N/A L

Goal. Establish and maintain liaison with other service counterparts.

Requirement. Given a requirement to maintain interoperability with other services, liaison with other service counterparts to assist one another in the accomplishment of meteorological and oceanographic (METOC) functions.

- (1) Monitor other services' METOC programs and establish liaison with other service counterparts through official correspondence.
- (2) Identify relevant METOC programs to include coordination of research and development efforts, to avoid duplication and ensure commonality in the improvement of METOC capabilities.
- (3) Implement programs identified for Marine Corps use.

Performance Standard. Must be in accordance with applicable orders and directives.

ADM-307 3 Z E N/A L

Goal. Brief Meteorological and Oceanographic (METOC) capabilities.

Requirement. Brief current METOC mission support capabilities so the commanders may make operational decisions regarding METOC employment.

- (1) Assess the METOC requirements of the targeted audience.
- (2) Prepare the METOC capabilities brief.
- (3) Conduct the METOC capabilities brief.

Performance Standard. Must be in contain all information pertaining to the METOC support missions.

ADM-308 6 Z E N/A L

Goal. Support Staff Planning.

Requirement. Given assignment to a Headquarters Staff, provide the commander and staff with relevant METOC specific operational impacts for planning considerations.

- (1) Conduct climatological study.
- (2) Assess impacts on friendly and enemy operations.
- (3) Integrate the METOC impact assessment with the commander's stated mission, IPB and COA development.
- (4) Continue to support the commander's COA.

Performance Standard. Must be in accordance with applicable orders and directives.

2. Operations (OPS)

a. Purpose. To continue the development of advanced METOC knowledge of the principles and concepts relating to METOC operations for a METOC Officer.

b. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

c. Events

OPS-309 56 Z E N/A L

Goal. Develop Meteorological and Oceanographic (METOC) Annex H for an Operations Order.

Requirement. After the warning order is received, develop an Operations Order Annex H that supports all METOC requirements.

- (1) Identify customer requirements.
- (2) Identify METOC assets available.
- (3) Coordinate with higher headquarters and other services providing METOC support.
- (4) Identify to higher headquarters METOC support deficiencies.
- (5) Develop annex to support METOC requirements.
- (6) Submit annex to Operations Staff.

Performance Standard. Annex H must be in accordance with applicable orders and directives.

3. Security (SEC)

a. Purpose. To continue the development of security processes and procedures.

b. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

c. Events

SEC-310 24 E N/A L

Goal. Establish a security program.

Requirement. Establish a security program that safeguards communications security (COMSEC) equipment and classified material.

- (1) Ensure Marine has required clearance from Security Manager, commensurate with billet.
- (2) Maintain access letters to local secured spaces.
- (3) Maintain copy of letter granting access until no longer required per current directives.
- (4) Maintain and revise as necessary, local Security Standard Operating Procedure.
- (5) Request from an cognizant authority, maintain and update as necessary a physical security evaluation (PSE).
- (6) Ensure personnel receive all security-training requirements directed by the references.

Performance Standard. Must be in accordance with applicable orders and directives.

4. Training (TRN)

a. Purpose. To continue the development of advanced METOC knowledge of the principles and concepts relating to METOC operations for a METOC Officer.

b. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

c. Events

TRN-311	6	Z	E	N/A	L
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Goal. Establish and conduct certification program for METOC personnel.

Requirement. Establish and conduct a certification for METOC personnel.

- (1) Select qualified board evaluators.
- (2) Task the Marine to prepare a forecast or to take observations (surface, surf, upper air).
- (3) Question Marine on reasoning and logic concerning their forecast or observations.
- (4) Consider recommendations of all evaluators.
- (5) Make certification recommendation to signing authority.
- (6) Prepare and forward appropriate certification certificate to the signing authority for successful forecasters/observers.

Performance Standard. Must be in accordance with applicable orders and directives.

TRN-312	1	Z	E	N/A	L
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Goal. Establish and conduct Tower Visibility certification procedures for Air Traffic Control (ATC) personnel.

Requirement. Establish a localized training program to certify ATC personnel as Tower Visibility Observers.

- (1) Maintain current versions of all training materials.
- (2) Obtain results of tower visibility exams.
- (3) Prepare certification certificate for the appropriate certifying authority signature.
- (4) Return signed certificates to ATC Officer.
- (5) Maintain copies of all test results and signed certificates.
- (6) Maintain a roster of Tower Visibility certified ATC personnel.

Performance Standard. Must be in accordance with applicable orders and directives.

TRN-313	3	Z	E	N/A	L
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Goal. Establish a meteorological and oceanographic (METOC) training program to satisfy MAGTF METOC support requirements.

Requirement. Establish a METOC training program to satisfy MAGTF component METOC support requirements.

- (1) Determine MAGTF METOC support requirements.
- (2) Develop a comprehensive training plan.
- (3) Implement the training plan, to include deployment of personnel and assets.
- (4) Evaluate effectiveness of training plan and revise accordingly.

Performance Standard. Must be in accordance with applicable orders and directives.

334. FULL COMBAT QUALIFICATION TRAINING

1. Administration (ADM)

a. Purpose. To continue the development of administrative knowledge pertaining to METOC support.

b. Events

ADM-400	18	Z	E	N/A	L
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Goal. Conduct a meteorological and oceanographic (METOC) Staff Study for each new DOD weapon system.

Requirement. Given a staff study objective and availability of required resources, submit a finalized conclusion or recommendation to a staff study.

- (1) Evaluate the objectives of an assigned staff study.
- (2) Research applicable resources of information.
- (3) Compile the data necessary to satisfy the objectives of the assigned study.

Performance Standard. Must be in accordance with applicable orders and directives.

2. Operations (OPS)

a. Purpose. To continue the development of advanced METOC knowledge of the principles and concepts relating to METOC operations for a METOC Officer.

b. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

c. Events

OPS-401	24	Z	E	N/A	L
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Goal. Perform duties as Joint/Combined METOC Officer.

Requirement. Coordinate METOC effort to support the CJTF's AO when assigned as Joint METOC Officer (JMO) for an operation or contingency.

- (1) Identify theater METOC requirements.
- (2) Identify and organize staff.
- (3) Develop Annex H to Operational Order (OPORD)/OPLAN/CONPLAN.
- (4) Identify JMFU location, staff and operational requirements.
- (5) Maintain liaison with CinC SMO and component SMO's.
- (6) Supervise and manage theater METOC assets.

Performance Standard. Must be in accordance with applicable orders and directives.

OPS-402 24 Z E N/A L

Goal. Perform duties as MARFOR Staff METOC Officer

Requirement. Coordinate METOC effort to support the MAGTF AO when assigned as MARFOR METOC Officer for an operation or contingency.

- (1) Identify MARFOR METOC requirements.
- (2) Identify and organize staff.
- (3) Develop Annex H and provide input to other annexes of the Operational Order (OPORD)/OPLAN.
- (4) Maintain liaison with JMO and component SMO's.
- (5) Supervise and manage MARFOR's METOC assets.

Performance Standard. Must be in accordance with applicable orders and directives.

3. Training (TRN)

a. Purpose. To continue the development of training principles and concepts relating to METOC operations.

b. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

c. Events

TRN-403 3 Z E N/A L

Goal. Provide Marine Aviation Weapons and Tactics Instruction (WTI)

Requirement. Train METOC personnel on capabilities and environmental impacts on Marine aviation functions, weapons, platforms, radars, and jammers and the capability of each.

- (1) Prepare tailored periods of instruction based upon WTI curriculum.
- (2) Present period of instruction on WTI curriculum.

Performance Standard. Must be in accordance with applicable orders and directives.

Prerequisite. WTI-500, WTI-600.

External Syllabus Support. MAWTS-1 Academic Support Package.

TRN-404 4 Z E N/A L

Goal. Establish and conduct a Weapons and Tactics Training Program (WTTP).

Requirement. Conduct a professional Aviation Weapons and Tactics Training Program, which include both individual and collective training. This training shall emphasize integration with other aviation units and supporting arms and support a their scheme of maneuver.

- (1) Maintain relevant knowledge concerning the threat, threat tactics and counter tactics.
- (2) Prepare tailored periods of instruction based upon WTI training curriculum.
- (3) Present period of instruction.
- (4) Within 30 days of deployments, operations and major exercises, submit appropriate information including post exercise/deployment reports and MCLLS.

Performance Standard. Must be in accordance with applicable orders and directives.

Prerequisite. TNG-403, WTI-500, WTI-600.

External Syllabus Support. MAWTS-1 Academic Support Package.

340. INSTRUCTOR QUALIFICATION TRAINING

1. Weapons Tactics Instructor

a. Purpose. This stage of the training is to prepare personnel to become instructors of MAGTF weapons and tactics.

b. General

- (1) Administrative Notes. Training shall be conducted at Yuma, Arizona.
- (2) Stage end performance. Upon completion of this stage of the syllabus the METOC officer shall be eligible for the 6877 MOS. Completion of WTI-600 event required for qualification tracking.

d. Academic Training. Academic training events are graded and tracked at the administering unit. Supplemental training events and training packages are highly encouraged.

e. Event Training

WTI-500 480 Z E N/A L

Goal. Weapons and Tactics Instructor training

Requirement. Complete WTI Course.

Performance Standard. Successfully complete the WTI Course and be awarded the 6877 MOS.

Prerequisite. CW02, 18 months FMF experience, and a corresponding MEF level exercise.

External Syllabus Support. MAWTS -1 syllabus.

350. REQUIREMENTS, QUALIFICATIONS AND DESIGNATIONS

1. Weapons Tactics Instructor Qualification

a. Purpose. This stage of the syllabus is provide tracking codes for events required for the WTI qualification.

b. General. Completion of the events will not result in an increase in Combat Readiness Percentage and are used for tracking of the qualification.

d. Event Training

WTI-600	N/A	Z	E	N/A	L
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Goal. Tracking code for Weapons and Tactics Instructor

Requirement. To ensure WTI course completion is obtained.

Performance Standard. Successful completion of WTI Course.

Prerequisite. Completion the WTI course and awarded the 6877 course.

380. EVENT CRP/HOURS/REFRESH BREAKDOWN. Tables 3-8 through 3-12 at the end of chapter provide listings of the events, hours and combat readiness percentage for each stage of the syllabus.

Table 3-8.--METOC Officer Combat Ready Events.

Combat Ready Training Events (Events, Hours, Interval and CRP)					
STAGE	CODE	HRS	Interval	CRP	Notes
FAM	200	2		4	
OPS	201	3		4	
OPS	202	3		4	
ADM	203	6		4	
ADM	204	6		4	
TOTALS		20		20	

Table 3-9.--METOC Officer Combat Qualified Events.

Combat Qualified Training Events (Events, Hours, Interval and CRP)					
STAGE	CODE	HRS	Interval	CRP	Notes
ADM	300	24		1	
ADM	301	24		1	
ADM	302	56		1	
ADM	303	24		1	
ADM	304	16		1	
ADM	305	4		1	
ADM	306	5		1	
ADM	307	3		1	
ADM	308	6		1	
OPS	309	56		1	
SEC	310	24		1	
TRN	311	6		1	
TRN	312	1		1.5	
TRN	313	3		1.5	
TOTALS		252		15	

Table 3-10.--METOC Officer Full Combat Qualified Events.

Full Combat Qualified Training Events (Events, Hours, Interval and CRP)					
STAGE	CODE	HRS	Interval	CRP	Notes
ADM	400	18		1	
OPS	401	24		1	
OPS	402	24		1	
TRN	403	3		1	
TRN	404	4		1	
TOTALS		73		5	

Table 3-11.--Instructor Qualification Events.

Full Combat Qualified Training Events (Events, Hours, Interval and CRP)					
STAGE	CODE	HRS	Interval	CRP	Notes
WTI	500	480			
TOTALS		480			

Table 3-12.--Requirements, Qualifications and Designations Events.

Requirements, Qualification, Designations Events (Events, Hours, Interval and CRP)					
STAGE	CODE	HRS	Interval	CRP	Notes
WTI	600	0			Requires designating authority letter

390. EVENT CHAINING. Currently no chaining exists for the METOC officer syllabus.