



DEPARTMENT OF THE NAVY
COMMANDER
NAVAL METEOROLOGY AND OCEANOGRAPHY COMMAND
1020 BALCH BOULEVARD
STENNIS SPACE CENTER, MS 39529-5005

NAVMETOC COMINST 1500.2J CH-1
N7

08 MAR 2001

NAVMETOC COM INSTRUCTION 1500.2J CHANGE TRANSMITTAL 1

From: Commander, Naval Meteorology and Oceanography Command

Subj: NAVAL METEOROLOGY AND OCEANOGRAPHY (METOC) COMMAND
TRAINING AND CERTIFICATION PROGRAM

Encl: (1) OccFld 68, METOC Enlisted Career Training Plan

1. Purpose. To issue change 1 to basic instruction.

2. Action

a. Add enclosure (1) to the basic instruction.

b. Make the following pen-and-ink changes:

(1) On page 1, add the following under Encl:

"(7) OccFld 68, METOC Enlisted Career Training Plan"

(2) On page 1, paragraph 1, add "and enclosures (1) through (7)." at the end of the first sentence.

(3) On page 7, paragraph 8.g, add "and enclosure (7)." at the end of the last sentence of the paragraph.

T. Q. DONALDSON, V

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DEPARTMENT OF THE NAVY
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1020 BALCH BOULEVARD
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NAVMETOCOM INSTRUCTION 1500.2J

From: Commander, Naval Meteorology and Oceanography Command

Subj: NAVAL METEOROLOGY AND OCEANOGRAPHY (METOC) COMMAND
TRAINING AND CERTIFICATION PROGRAM

Ref: (a) OPNAVINST 3500.34E
(b) MCO 1510.105
(c) NAVMETOCPRODEVNOTE 1552 of 31 Oct 00
(d) BUPERSINST 1610.10
(e) NAVEDTRA 12052
(f) MCO 1553.1B
(g) MCO 1553.3
(h) BUPERSINST 1430.16D
(i) COMNAVSURFRESFORINST 3502.1C
(j) COMNAVAIRESFORINST 1500.5E
(k) NAVMETOCOMINST 1500.5
(l) NAVEDTRA 10500
(m) OPNAVINST 5450.165D
(n) OPNAVINST 1500.76
(o) BUPERSINST 1001.39C

Encl: (1) Aerographer's Mate Training Plan for AGC1 School
(2) AGA1 School Equivalent Training
(3) AGC1 School Equivalent Training
(4) Reserve METOC Officer Training
(5) Personnel Qualification Standards Program (Navy)
(6) Example Letter of Certification

1. Purpose. To set policy, assign responsibility and establish procedures for training and certification of Naval Meteorology and Oceanography Command (NAVMETOCOM) and U.S. Marine Corps Occupational Field (OccFld) 68, Weather Service personnel as set forth in references (a) through (o). **This instruction has been significantly revised and should be read in its entirety.**

2. Cancellation. NAVMETOCOMINST 1500.2H

3. Background. The Commander, Naval Meteorology and Oceanography Command (COMNAVMETOCOM) is responsible for the training and qualification of all assigned personnel who provide

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meteorological and oceanographic services to the fleet. This instruction outlines procedures for training NAVMETOCCOM, Naval Reserve Force, and Marine Corps personnel in related function areas and assigns authority for subsequent certification.

4. Concurrence. This instruction has the concurrence of Atlantic and Pacific Fleet Commanders in Chief, Commander, Naval Reserve Force and the Commandant of the Marine Corps. Marine Corps activities shall take those actions prescribed in this instruction which are not contradictory to specifically expressed policies of the Commandant of the Marine Corps.

5. Applicability. This instruction is applicable to all officer and enlisted personnel providing Meteorology and Oceanography (METOC) support at NAVMETOCCOM activities, ships and afloat staffs, the Naval Meteorology and Oceanography Reserve Program, Marine Corps Air Stations, Marine Corps Air Fields, Fleet Marine Force (FMF) units and civilian personnel assigned to NAVMETOCCOM activities.

6. Definition of Terms. For purposes of this instruction the following definitions apply:

a. On Board Training (OBT) (Navy) - Local training in professional, technical and military areas to fulfill assigned duties and enhance opportunities for advancement and self-improvement.

b. Claimancy Training (Navy) - Includes training via Mobile Training Team, formal schools, distance learning, and supplemental courses. See www.nmopdc.navy.mil for current information.

c. Accession Level Training (Navy) - Basic (apprentice level) technical training, that provides the fundamentals of meteorology and oceanography to METOC officers. This training will normally be provided enroute to the officer's first NAVMETOCCOM duty station in the Basic Oceanography Accession Training (BOAT) Course of Instruction (COI).

d. Personnel Qualification Standards (PQS) (Navy) - OPNAV controlled standards of knowledge designed to ensure minimum levels of qualification for watch-stations or equipment/system operation are met at the local command level. As the PQS Model Manager for 1800 Officers/Aerographer's Mates (AG), the Naval Meteorology and Oceanography Professional Development Center (NAVMETOCPRODEVZEN) Gulfport follows the guidance in reference

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(a). PQS should be tailored by each activity to meet local requirements.

e. Job Qualification Requirements (JQR) (Navy) - A NAVMETOCCOM system of command level qualification requirements formulated by individual commands for those areas (watch-stations/tasks/equipment) that are site-specific or not yet incorporated into PQS. COMNAVMETOCCOM may issue JQRs for areas not yet incorporated into PQS that affect more than one METOC activity.

f. Individual Training (Marine Corps) - The type of training a Marine receives, either in the institution/formal school environment or in the unit/organization environment which prepares an individual to perform specific duties and tasks related to an assigned Marine Corps Military Occupational Specialty (MOS) and duty position.

g. Individual Training Standards (ITS) (Marine Corps) - Criteria for job performance used to determine who can and cannot perform satisfactorily. They constitute the basis for design, development, implementation, and evaluation of all individual training conducted in units and institutions. They are designed for use by the commander to determine proficiency, evaluate training, and maintain quality control.

h. Individual Training Standards System (Marine Corps) - A document that describes measures of performance for individual Marines by grade for a specified MOS. They are used to design training programs, to determine measurable proficiencies and to validate MOS/OccFld structure requirements.

i. Institutional Training (Marine Corps) - Training and education, either collective or individual, which is conducted in the formal school or training center using approved plans of instruction. Formal schools include not only Marine Corps formal schools, but also those formal schools of other Services attended by Marines.

j. Managed On-The-Job Training (MOJT) (Marine Corps) - Training conducted in the unit environment which uses a combination of classroom instruction and practical application. The classroom instructor is also the work supervisor of the trainee. Evaluation of the trainees is based upon the capability to demonstrate specific training standards.

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k. Sustainment Training (Marine Corps) - Individual training cannot and should not cease upon graduation from a formal school. Schools do not have the resources (people, time, money) to teach every ITS required for MOS proficiency; therefore, units must continue individual training. When Marines do achieve proficiencies, unit commanders must systematically record these proficiencies and establish periodic sustainment training according to reference (b).

l. Qualification - Documented completion of a PQS (Navy) final watch-station that requires a service record entry or ITS (Marine Corps) duty area that requires an individual training record entry.

m. Certification - Documentation that establishes that an individual has completed all training requirements (PQS, JQR, ITS and local) and is fully qualified to perform the duties of the watch-station or duty position that requires a service record entry.

n. Certification Board - A board of certified personnel whose purpose is to review a prospective watch-stander's or duty-stander's qualifications by means of oral or written examination and demonstrated performance. After evaluating the individual's proficiency and ability to stand unsupervised watches or duties, the certification board makes an appropriate recommendation regarding certification to the Certifying Authority (CA). The CA, as discussed in Paragraph 10, will determine the composition of Certification Boards.

7. Discussion. Optimization of mission-related training requires close coordination among NAVMETOCOM, the Chief of Naval Education and Training (CNET), Marine Corps Combat Development Command (MCCDC), and Headquarters, U.S. Marine Corps (ASL-37). To maximize the effectiveness of platforms, sensors and weapons systems, specific training programs must incorporate the latest developments in oceanography, meteorology, and Geospatial Information and Services (GI&S). In-rate training and sustainment training, Navy Enlisted Classification (NEC) training and MOS training, and watch-station/duty area qualification and certification ensure operational proficiency and track individual career progression.

8. Policy. The following policies are established:

a. NAVMETOCOM activities must identify requirements for training resources (personnel, funding, equipment, temporary duty

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assignments and facilities) during budget submissions. Marine Corps Weather Service (MCWS) activities will forward training requirements, via the chain of command, to MCCDC and Headquarters, U.S. Marine Corps (ASL-37).

b. All elements of the NAVMETOCCOM Training and Certification Program (i.e., OBT, General Military Training (GMT), PQS, JQR, ITS and Leadership Training) are complementary and operate within guidelines established by CNET/MCCDC.

c. Reference (c) provides a list of effective training publications and material available from the NAVMETOCPRODEVLEN. Additional training materials can be found on NAVMETOCPRODEVLEN's homepage www.nmopdc.navy.mil.

d. The AG community is a closed rate in regards to strikers. Active duty personnel, E4 and below, can laterally convert but are required to attend the AG Class A1 School. Lateral conversions by personnel, E5 and above, must be approved by the Enlisted Community Manager and attend the AG Class A1 School.

e. AGC1 School (Navy)/Meteorological Oceanographic/Analyst Forecaster (MOAF) Course (Marine Corps). Completion of the AGC1 School should be the goal of all career sailors in the METOC career field. Completion of the MOAF Course by Marine Corps METOC personnel is mandatory.

(1) Eligibility requirements for admission to AGC1 School/MOAF Course are:

(a) E4 or above (Navy) E5 or above (Marine Corps).

(b) 36-months time in service (Marine Corps).

(c) Commanding Officer's recommendation on Personal Action Request (NAVPERS 1306/7) (Navy) or Administrative Action Form (MC10274) (Marine Corps).

(2) Prerequisites (Navy). AGC1 School prerequisite training should be completed by the end of six years time in service. Failure to meet these requirements by six years active service will result in denial of recommendations for retention and advancement. Personnel who cross-rate from another career field will be given three years to complete these requirements after conversion. Prerequisites for admission to AGC1 School:

(a) AG Rate Training Manual Series.

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(b) "Introduction to Forecasting" Correspondence Course, METOC 50-1P-0002.

(c) "Oceanography" Correspondence Course, METOC 60-1T-9601.

(d) "Operational Oceanography Modules 2 and 3", METOC 60-1T-9602 and METOC 60-1T-9603.

(3) Prerequisites (Marine Corps). Completion of the following prerequisites is required for admission to the MOAF Course:

(a) "Marine Corps Weather Observer" (MCWO) Course, F0268B1; qualify and certify as a Weather Observer.

(b) "Aerographer's Mate Second Class" (AG2) Rate Training Manual, Volumes 1 and 2, NAVEDTRA 10370 and 10371.

(c) "Introduction to Forecasting" Correspondence Course, METOC 50-1P-0002.

(d) "Oceanography" Correspondence Course, METOC 60-1T-9601.

(e) Six (6) months On-the-Job Training (OJT) as an Assistant Forecaster is desired.

f. Training Plans (Navy). Each individual will use long- and short-range training plans. Long-range training plans will include all material to prepare an individual for advancement. Short-range training plans will be a three-month block of material based upon the prerequisites listed in enclosure (1). Long and short range training plans will coincide with the EVAL/FITREP/COUNSELING Planning Calendar in reference (d). Enclosure (1) outlines the Aerographer's Mate Training Plan, including AGC1 School prerequisite courses, as well as military and professional courses required for advancement by reference (e). Enclosure (1) does not include instructions and technical reference material required by reference (e). Individuals will be counseled on their short and long range training progress at each periodic FITREP/EVAL or mid-term counseling, as required by reference (d). Additionally, a new short-range training plan will be developed for the next short-range training period.

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g. Training Plans (Marine Corps). Marine Corps units will establish appropriate short- and long-range MOS-related training plans in accordance with references (b), (f), and (g).

h. Training Mentors (Navy). Individuals who have had a strong mentoring figure during their preparation for AGC1 School had greater success in the course. It is strongly encouraged that the command assigns a certified forecaster mentor to each individual during the critical training period between AGA1 School and AGC1 School.

i. Trainers (Marine Corps). In accordance with reference (g), Company Grade Officers have the primary responsibility of executing the unit-training plan and training the trainers. Staff Noncommissioned Officers (SNCO) and Noncommissioned Officers (NCO) are the key trainers. They must be trained as leaders of Marines and must possess the requisite skills to train others. SNCOs and NCOs will primarily conduct individual training and integrate individual training requirements of Marines under their supervision into the unit-training plan.

j. Civilian personnel must meet the requirements specified in the U.S. Office of Personnel Management Handbook, "Operating Manual of Qualification Standards for General Schedule Positions" for their respective grade level.

9. Certification. This paragraph lists the requirements for certification of active duty personnel. Certification is based on the CA's evaluation of the individual's knowledge level, maturity, and judgment.

a. Apprentice Forecaster (Navy). Successful completion of AGA1 School, JQRs, and applicable areas of the Apprentice Forecaster PQS, NAVEDTRA 43203-D.

b. Observer (Marine Corps). Successful completion of MCWO Course and demonstrated proficiencies, required by grade, within established ITS duty areas.

c. Forecaster (Navy). Successful completion of AGC1 School, JQRs, and applicable areas of the METOC Forecaster PQS, NAVEDTRA 43203-C (Navy). (Officers, civilians, and site-waivered personnel are not required to successfully complete AGC1 School).

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d. Forecaster (Marine Corps). Successful completion of the MOAF Course and demonstrated proficiencies, required by grade, within established ITS duty areas.

e. Prior Certification. Individuals certified at their previous duty station must re-certify at their new activity (Navy and Marine Corps), but are not required to repeat PQS requirements completed at prior duty stations unless they have been revised. Marines reporting to a new duty station will undergo its refresher training prior to certification at their new duty station.

f. Suspended/Revoked Certification. Personnel whose knowledge or proficiency does not meet the required standards of their activity may have their certification(s) suspended. In such cases, these individuals will repeat any certification requirements deemed necessary by the CA before being re-certified. The CA may revoke certification(s) at any time.

g. Certification Preparation (Navy). Individuals not certified shall only be assigned to positions requiring certification under the direct supervision of a certified individual. Certifying Authorities will officially document any case where an individual fails to certify, re-certify, or has a certification revoked (to include removal of NEC/MOS or security clearances, as applicable).

h. Forecaster Site Waiver (Navy). A certification site waiver may be granted to exceptional performers. Such waivers must be documented in activity files, individual training records, and service records.

10. Certifying Authority. The authority to certify active and reserve NAVMETOCOM personnel rests with COMNAVMETOCOM. This authority is delegated to active duty Commanding Officers. Commanding Officers may further delegate this authority to Officers in Charge (OIC) and Chief Petty Officers in Charge (CPOIC). The Commandant of the Marine Corps has delegated authority for certifying Marine Corps personnel to the respective Unit Commander. Unit Commanders may further delegate this authority to OICs, weather officers and senior non-commissioned officers when no weather officer is assigned.

11. Reserve Training (Navy). The basic training requirements for all METOC officers and Aerographer's Mates are determined by COMNAVMETOCOM. For Reservists, COMNAVMETOCOM forwards these

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requirements (or equivalent requirements) to Commander, Naval Surface Reserve Force or Commander, Naval Air Reserve Force in accordance with references (i) and (j). The training inputs are reviewed and updated annually. As the Type Commander and AG Rating Advisor, only COMNAVMETOCCOM will modify the professional and technical training requirements.

a. Skills Maintenance Training. Reserve AGs must complete three days of skills maintenance training (six drill periods) per semi-annual period. This training includes watch-standing duties in a weather facility where the Reservist can complete tasks described in the Occupational Standards for AGs and the PQS. COMNAVMETOCCOM recommends Reservists complete this training at NAVMETOCCOM facilities whenever possible, however Reserve units may explore other alternatives, such as drilling at the weather offices of other services. COMNAVMETOCCOM staff can assist in coordinating training opportunities.

b. AG "A" School Equivalent Training. COMNAVMETOCCOM has established AGA1 School equivalent training and a recommended training sequence that are included in enclosure (2). Direct specific questions regarding Reserve training requirements and opportunities to COMNAVMETOCCOM (N434). See reference (k) for information on quota control procedures, prerequisites for resident Reserve METOC courses, and recording partial credit for completion of pre-requisites.

c. Navy Enlisted Code (NEC) 7412. Per reference (h), all AGs must earn NEC 7412 to be eligible for advancement to E-7. SELRES can earn this NEC in the Reserve program by completing equivalent training listed in enclosure (3).

d. Officer training (Navy). COMNAVMETOCCOM determines core professional METOC training requirements for all METOC officers. Training requirements for Reserve METOC officers are listed in enclosure (4). Additionally, Reserve METOC officers must complete six hours of Cooperative Program for Operational Meteorology Education and Training (COMET) modules. Experience gained through civilian employment may validate these requirements.

e. Equivalent Training (ET). References (i) and (j) describe procedures for requesting ET approval. As the Type Commander and the AG Rating Advisor, COMNAVMETOCCOM is the approval authority for ET requests for core professional METOC training requirements.

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f. Joint Training Opportunities. COMNAVMETOCCOM fully supports training with other services. With the concurrence of all commands involved, units may develop a Memorandum of Agreement (MOA) between the cognizant Reserve command, the local Naval Meteorology and Oceanography Reserve Activity (NMORA) unit and the NAVMETOCCOM activity to allow continuous training of other service personnel at NAVMETOCCOM activities. The MOA should address training requirements, contributory support responsibilities and limitations.

g. Certification. Gaining command certifications shall be conducted in accordance with this instruction. For Crisis Response Delayed (CR-D) billets, gaining command certification is a post-mobilization requirement. The pre-mobilization requirements include PQS line item(s) 3(01-12)7.2. This is a generic oral examination of the required PQS line items. This is neither a site-specific examination nor a certification board. This oral examination will concentrate on the general skills of an AG at that pay grade, paralleling the "A" and "C" School curricula at the Apprentice Forecaster and Forecaster levels respectively. The oral examination must be conducted by active and Reserve METOC officers/AGs with questions derived from required PQS sections (100, 200 and 300 series).

h. Additional information. Reference (a) provides specific information on the Reserve Aerographer's Mate Schools (RAMS) that are included in the Reserve equivalent training requirements. Specific information on course dates is located on the COMNAVMETOCCOM web site at www.cnmoc.navy.mil/pao.htm. Contact COMNAVMETOCCOM (N434) at (228) 688-4531/4202, or DSN 485-4531/4202 for other means of distribution.

12. Responsibilities. Within the framework of the Chief of Naval Operations (CNO) policy stated in reference (m), COMNAVMETOCCOM is responsible for:

a. Fulfilling the requirements of reference (n) regarding the Navy Training Plan process in support of new equipment development.

b. Recommending cognizant authority changes in enlisted rating structure, qualifications for advancement in rating, NEC and Navy Officer Billet Classification (NOBC) codes.

c. Providing technical guidance and assistance concerning meteorological and oceanographic training matters throughout the

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Department of the Navy (DON) with respect to the training and readiness of active duty and reserve personnel.

d. Conducting all inter-service and inter-agency liaison and coordination concerning oceanographic, meteorological, and GI&S training.

e. Within the NAVMETOCCOM, NAVMETOCPRODEVGEN is responsible for executing NAVMETOCCOM training policy and providing policy guidance to fleet METOC training operations. Specifically, they:

(1) Maintain and distribute up-to-date meteorological observations and code manual/publications and related technical documents to support the Naval Meteorology and Oceanography Program.

(2) Serve as Program Manager and Advisor to COMNAVMETOCCOM concerning active and reserve Oceanography Officer and AG training matters.

(3) Develop, maintain, and implement long-range training plans aligned with the NAVMETOCCOM Concept of Operations.

(4) Manage the NAVMETOCCOM PQS Model and Computer Based Learning (CBL) Program.

(5) Exercise administrative control of NAVMETOCPRODEVGEN shore-training components.

(6) Represent COMNAVMETOCCOM at interagency training meetings and reviews, and make recommendations with respect to proposed Department of Defense and interagency agreements.

(7) Interact with fleet trainers to provide technical guidance and environmental training materials.

(8) Ensure development and technical accuracy of environmental portions of warfare pipeline training for subsurface and aviation warfighting communities.

(9) Review and recommend corrections to curricula from pipeline and non-pipeline CNET and Functional Commander Schools through CNET (00U) and CNO (N7).

(10) Attend Navy Training Requirements Reviews (NTRR)/Maintenance Training Requirements Reviews (MTRR) for

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ratings that have METOC content in their curricula and provide training quality assists as required.

f. Responsibilities for specific training functions are delegated as follows:

(1) The Fleet Numerical Meteorology and Oceanography Center (FLENUMMETOCCEN) is responsible for NAVMETOCCOM training related to FLENUMMETOCCEN-developed systems and related software.

(2) The Naval Atlantic Meteorology and Oceanography Center, Norfolk, the Naval Pacific Meteorology and Oceanography Center (NAVPACMETOCCEN), San Diego, NAVPACMETOCCEN Yokosuka, Naval Central Meteorology and Oceanography Center, Bahrain, and the Naval European Meteorology and Oceanography Center, Rota are responsible for providing meteorological and oceanographic training advice and assistance to fleet units and activities within their areas of responsibility. These centers are additionally responsible for maintaining and distributing theater OBT instructions for activities under their cognizance.

(3) Commanding Officers/OICs/CPOICs/Staff Noncommissioned Officers in Charge of all NAVMETOCCOM and MCWS activities are responsible for:

(a) Increasing the military and professional knowledge of personnel under their control by developing and implementing local training programs, obtaining training material that addresses local requirements, and using supplemental schools in addition to formal training.

(b) Designating a Training Officer/Petty Officer/SNCO/NCO to assist the Executive Officer or OIC in training program administration.

(c) Establishing an active Planning Board for Training (Navy).

(d) Establishing and maintaining both short range and long range training plans.

(e) Maintaining a current training record for all enlisted personnel, and ensuring prompt entries are made into individual service records.

(f) Thoroughly reviewing training records of personnel reporting aboard for outdated PQS/ITS qualifications

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and to ensure prior apprentice forecaster or forecaster certifications meet the current CA requirements.

(g) Posting and updating PQS/ITS and training progress charts.

(h) Ensuring that GMT/Professional Military Education is implemented.

(i) Establishing and maintaining a viable PQS program following the guidance provided in reference (a) and enclosure (5) (Navy).

(j) Preparing JQRs to augment PQS as necessary for site unique watch-station requirements (Navy).

(k) Documenting certification for those personnel whom have completed JQRs and specified PQS requirements.

(l) Budgeting for and sending command personnel to pertinent TAD training.

(m) Participating in appropriate host activity training functions.

13. Action. All NAVMETOCOM and MCWS activities shall:

a. Establish, manage and maintain a command training and certification program to include OBT, GMT, PQS, JQR, ITS and leadership training for assigned training.

b. Provide training materials, and qualified supervision to all hands to ensure the highest quality of professional and military training.

c. Establish a certification board to make recommendations to the CA regarding certifications of assigned personnel.

d. Issue a Letter of Certification signed by the CA to each certified individual (see enclosure (6)) and ensure that proper service and training record entries are made. (Note: Inactive Duty Training (IDT) and mobilization sites will forward a copy to the appropriate NMORA Unit.

e. Comply with their respective regional OBT instructions.

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f. Ensure that NMORA Program members have all prescribed training materials available.

g. Identify specific requirements and deficiencies in personnel training and report to COMNAVMETOCCOM via the chain of command. In addition, Navy activities outside the NAVMETOCCOM claimancy, as well as U.S. Marine Corps METOC activities, are encouraged to submit comments and recommendations concerning meteorological, oceanographic, and GI&S training (to include submission of new PQS/JQRs/ITS) via their respective chain of command to COMNAVMETOCCOM or HQMC (ASL-37). Marine Corps and fleet units are encouraged to obtain training assistance from local NAVMETOCCOM activities as resources permit.



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Distribution:

- 45A1 Fleet Marine Force Atlantic, Pacific and South (Attn: Weather Service Officer)
 - 45A2 Marine Expeditionary Force (Attn: Weather Service Officer)
 - 46Q Marine Wing Support Group (Attn: Weather Service Officer)
 - 46R Marine Wing Support Squadron and Detachment (Attn: Weather Service Officer)
 - 46U Marine Aviation Weapons and Tactics Squadron (Attn: Weather Service Officer)
 - A6 Commandant of the Marine Corps (Attn: ASL-44 only)
 - C40 Shore Based Detachments, Meteorology and Oceanography
 - FD Shore Activities under COMNAVMETOCCOM
 - V3 Marine Corps Air Bases (Attn: Weather Service Officer)
 - V4 Marine Corps Air Facilities (Attn: Weather Service Officer)
 - V5 Marine Corps Air Station (Attn: Weather Service Officer)
 - V12 Marine Corps Combat Development Command
 - V25 Marine Corps Air/Ground Combat Center (Attn: Weather Service Officer)
- HQ USAF//XOW//
Air Force Weather Agency, Offutt AFB, NE//DOO//
Naval Meteorology and Oceanography Reserve Program Reserve Units

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Copy to:

21A Fleet Commanders in Chief
22A Fleet Commanders
23A Naval Force Commanders
23B2 Special Force Commanders PAC (COMPATRECONFORSEVENTHFLT
only)
23B4 Special Force Commander CENTRAL
24D2 Surface Force Commander PAC
26A Amphibious Group (COMPHIBGRU ONE and TWO only)
28B1 Cruiser-Destroyer Group LANT (COMCRUDESGRU TWO only)
28F2 Logistics Group Western Pacific
29B Aircraft Carrier (CV), (CVN) (Attn: Meteorological Staff
Officer/OA Division)
31A Amphibious Command Ship (LCC) (Attn:
Meteorological Staff Officer)
31H Amphibious Assault Ships (LHA), (LPH), (Attn:
Meteorological Officer/OA Division)
31N Multi-Purpose Amphibious Assault Ship (LHD) (Attn:
Meteorological Officer/OA Division)
32KK Miscellaneous Command Ship (AGF)
42A Fleet Air Command
51A Supreme NATO Commands (SACLANT only)
51B4 Mediterranean Area (COMNAVSOUTH only)
A3 Chief of Naval Operations (N096 only)
A5 Chief of Naval Personnel (404D only)
B2A Special Agencies, Staffs, Boards, and Committees
(DIA, NSA, JCS (J33/JOD/J-36/JRC) only)
B2E National Imagery and Mapping Agency Components and
Elements (NIMA only)
C3 Naval Personnel at DOD or Other Government Agencies
(NAVDEPNOAA only)
C20C Naval Research Laboratory Detachments (Monterey and
Stennis Space Center only)
FB7 Air Station PAC (NAS North Island only)
FF42 Naval Postgraduate School
FF44 Naval War College

FT1 Chief of Naval Education and Training
FT2 Chief of Naval Air Training
FT6 Air Station CNET (NAS Meridian, NAS Corpus Christi only)
FT15 Naval Technical Training Unit
FT22 Fleet Combat Training Center
FT46 Fleet Anti-submarine Warfare Training Center
FT78 Education and Training Professional Development and
Technology Center (Tech. Library and 311-AG only)

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Commanding Officer
Attn: Weather Service Officer
Marine Corps Detachment
824 Hercules Street, Suite 104
Keesler AFB, MS 39534-2099

Commanding Officer
Attn: Staff Meteorologist
CBIRF
PSC Box 20165
Camp LeJeune, NC 28542-0165

Commanding Officer
NR DIRNSA
FMDE 1522
860 Terry Ave. North
Seattle, WA 98109

AEROGRAPHER'S MATE TRAINING PLAN FOR AGC1 SCHOOL

1. The following training plan lists military and professional courses to be completed to meet advancement requirements and to prepare for AGC1 School. This schedule allows sufficient time for the individual to complete and become familiar with the material for successful completion of AGC1 School. Suggested completion times are based upon minimum time in rate (TIR) in paygrade. This plan will be used to develop individuals short and long range training plans. The first column represents the three-month short-range training period that this course should be assigned within the total TIR period. Completion times may be modified in consideration of individual paygrade at time of entry and potential paygrade entry point for AGC1 School.

Paygrade: E-2
 TIR: 9 months

1 st	Airman Course	NAVEDTRA 12000
2 nd	Basic Military Requirements	NAVEDTRA 12018
2 nd	Evaluating and Encoding Bathythermograph (BT) Data	METOC 60-1T-9701
3 rd *	Aerographer's Mate Module 1 Surface Weather Observations	NAVEDTRA 12881
3 rd *	Aerographer's Mate Module 2 Miscellaneous Observations/Codes	NAVEDTRA 12882

Paygrade: E-3
 TIR: 6 months

1 st	Military Requirements for P03	NAVEDTRA 12024
1 st *	Aerographer's Mate Module 3 Satellites And Weather Radar	NAVEDTRA 12883
1 st *	Aerographer's Mate Module 4 Communications and Administration	NAVEDTRA 12884
2 nd	NEETS Module 22	NAVEDTRA 11100-A
2 nd *	Oceanography	METOC 60-1T-9601
2 nd	Basic Satellite Imagery Interp. (CBT)	METOC 50-1T-9601

* = Prerequisite for AGC1 School

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Paygrade: E-4
 TIR: 12 months

1 st	Military Requirements for PO2	NAVEDTRA 12045
1 st *	AG2 Vol. I RTM	NAVEDTRA 10370
1 st *	AG2 Vol. II RTM	NAVEDTRA 10371
2 nd	A Workbook on Tropical Clouds and Cloud Systems Observed in Satellite Imagery, Vol. I	METOC 50-1T-9610
2 nd	A Workbook on Tropical Clouds and Cloud Systems Observed in Satellite Imagery, Vol. II	METOC 50-1T-9611
3 rd	Basic Surface Chart Analysis	METOC 50-1T-9603
3 rd	Tropical Synoptic Models	METOC 50-1T-9604
3 rd	Tropical Streamline Analysis	METOC 50-1T-9607
3 rd	Atmospheric Refraction	METOC 50-1T-0002
4 th	Introduction to Electro-Optics	METOC 50-1T-0001
4 th *	Operational Oceanography, Mod. II	METOC 60-1T-9602
4 th *	Operational Oceanography, Mod. III	METOC 60-1T-9603

Paygrade: E-5
 TIR: 24 months

1 st	Military Requirements for PO1	NAVEDTRA 12046
2 nd -3 rd *	AG1&C RTM	NAVEDTRA 12853
4 th	Introduction to Meteorology	METOC 50-1T-9605
5 th -7 th *	Introduction to Forecasting, Vol. 1-6	METOC 50-1P-0002

* = Prerequisite for AGC1 School

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AG1 SCHOOL EQUIVALENT TRAINING

Commander, Naval Meteorology and Oceanography Command (COMNAVMETOCOM) has established equivalent training for Aerographer's Mate (AG) "A" School. After completing this training, Reserve personnel in the Airman general apprenticeship who are qualified may strike by requesting a waiver to participate in the AG3 exam (see reference (1)). Equivalent training for AG "A" school is defined as:

- (1) Reserve Aerographer's Mate Basic (Observer Module) (See note)
Prerequisites: Oceanography (METOC 60-1T-9601), AG Module 1 Surface Weather Observations, (NAVEDTRA 12881), AG2 Vol. I Units 1-4 (NAVEDTRA 10370), Assistant Forecaster PQS (NAVEDTRA 43204-D) Sections 105 & 106
- (2) Oceanography (METOC 60-1T-9601)
- (3) Basic Surface Chart Analysis (METOC 50-1T-9603)
- (4) Evaluating and Encoding Bathythermograph (BT) Data (METOC 60-1T-9701)
- (5) Encoding, Decoding and Plotting the Synoptic Report (METOC 50-1T-9606)
- (6) Aerographer's Mate Module 1 Surface Weather Observations (NAVEDTRA 12881)
- (7) Aerographer's Mate Module 2 Miscellaneous Observations/Codes (NAVEDTRA 12882)
- (8) Aerographer's Mate Module 3 Satellites And Weather Radar (NAVEDTRA 12883)
- (9) Aerographer's Mate Module 4 Communications and Administration (NAVEDTRA 12884).
- (10) Assistant Forecaster PQS (NAVEDTRA 43204-D) Sections 101-106, 108.1-108.4, 301, 301.7.2 (per paragraph 11.g. of this instruction).

Note: The Reserve AG Basic (Observer Module) is a course conducted by Naval Meteorology and Oceanography Reserve Activity units hosted at Naval Meteorology and Oceanography Command activities. Courses are planned each fiscal year. Specific information on courses (including dates and specific quota control procedures) is located on the COMNAVMETOCOM web site at www.cnmoc.navy.mil/pao.htm. Contact COMNAVMETOCOM (N434) at (228)688-4531/4202, or DSN 485-4531/4202 for other means of distribution.

Enclosure (2)

02 NOV 2000

RECOMMENDED TRAINING FOR NEW AFFILIATE

Month	Before Drill	During Drill
1	-	Indoctrination
2	AG Module 1 Surface Weather Observations	Observer PQS 105, 106
3	AG2 VOL I, Unit 1	Observer PQS 105, 106
4	AG2 VOL I, Unit 2	Observer PQS 105, 106
5	AG2 VOL I, Unit 3	Observer PQS 105, 106
6	AG2 VOL I, Unit 4	Complete Observer Module pre-requisites and submit completion form
7	Encoding, Decoding and Plotting the Synoptic Report	Review Prerequisites
8	Review Prerequisites	Review Prerequisites
9	Annual Training-Reserve Aerographer's Mate Basic (Observer Module)	
10	AG Module 2 Miscellaneous Observations/Codes	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
11	AG Module 3 Satellites And Weather Radar	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
12	AG Module 4 Communications and Administration	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
13	Basic Surface Chart Analysis	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
14	Oceanography Course	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
15	Evaluating and Encoding Bathythermograph (BT) Data	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
16	Review/Study	Observer PQS 301.1-.6 (except 108.4-108.10), PARS
17	Review/Study	Observer PQS 301.7.2

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AGC1 SCHOOL EQUIVALENT TRAINING

NEC 7412/MOS 6842 (Reserve). Equivalent training for AGC1 School is defined as:

Resident courses:

Reserve Meteorology Training Course Vol 1-4 (CIN CNR-420-0003/CDP 1738) Note 1
Synoptic and Mesoscale Analysis Course (CIN CNR-420-0004/CDP 1739) Note 2
Synoptic System Forecasting Lab (CIN CNR-420-0005/CDP 1740) Note 3
Joint METOC Tactical Applications Course (CIN S-5A-0010/CDP 573S LANT) Note 4
Joint METOC Tactical Applications Course (CIN S-5A-0010/CDP 940H PAC) Note 4

Courses:

Introduction to Forecasting (METOC 50-1P-0002)
Aerographer's Mate Second Class Vol. I (NAVEDTRA 10370)
Aerographer's Mate Second Class Vol. II (NAVEDTRA 10371)
Basic Satellite Imagery Interpretation (METOC 50-1T-9601)
Use of the Skew-T, Log P Diagram in Analysis and Forecasting (NAVAIR 50-1P-5)
Aerographer's Mate 1&C (NAVEDTRA 12853)
Tropical Streamline Analysis (METOC 50-1T-9607)
Tropical Synoptic Models (METOC 50-1T-9604)
Atmospheric Refraction (METOC 50-1T-9602)
Introduction to Electro-optics (METOC 50-1T-9601)
Oceanography (METOC 60-1T-9601) (See note 5)
Operational Oceanography Module II (METOC 60-1T-9602) (Note 5)
Operational Oceanography Module III (METOC 60-1T-9603) (Note 5)

Personnel Qualification Standards (PQS) (Navy):

METOC Forecaster PQS (NAVEDTRA 43203-C) Sections 101-117, 301 (except 301.3.5-301.3.8, and 301.4.2), 301.7.2 (per para 11 (g) of this instruction)

NOTES:

- (1) The Reserve Meteorology Training Course replaced Reserve Aerographer's Mate School (RAMS) Mod A and is Computer Based Training (CBT). Personnel who have completed RAMS Mod A are not required to complete the course.

Enclosure (3)

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- (2) The Synoptic and Mesoscale Analysis Course will be available in FY01.
- (3) RAMS Module C will be offered in FY01 and will be redesignated Synoptic System Forecasting Lab in FY02. Students may request to RAMS Module C by contacting COMNAVMETOC COM (N434) at DSN 485-4531/4202 or commercial (228) 688-4531/4202. RAMS courses are planned each fiscal year and are listed in the CANTRAC. Reference (h) contains specific information on RAMS quota control procedures, course pre-requisites and partial credit for the pre-requisite completion.
- (4) Units must contact Joint METOC Tactical Applications Course (JMTAC) quota control directly.
- (5) Must be completed prior to attending JMTAC.

NAVMETOC COMINST 1500.2J

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RESERVE METOC OFFICER TRAINING

The following are core professional training requirements for all METOC officers as established by COMNAVMETOCOM. Per paragraph 11e, other training and experience may validate some of the requirements. Reservists requesting Equivalent Training (ET) waivers of METOC training requirements should forward requests to COMNAVMETOCOM.

<u>Meteorology:</u> Course NR	<u>Description</u>	<u>Reference</u>	<u>Freq</u>	<u>Length</u>
CNR-420-0002	Forecaster Module A or B.S. in Meteorology	NAVMETOC COMINST 1500.2J	ONCE	12D
CNR-420-0003	Forecaster Module B or B.S. in Meteorology	NAVMETOC COMINST 1500.2J	ONCE	12D
NAVEDTRA 12853	Aerographer's Mate 1&C	NAVMETOC COMINST 1500.2J	ONCE	---
METOC 50-1P-0002	Intro To Forecasting	NAVMETOC COMINST 1500.2J	ONCE	---

All of the above or one of the following:

NAVMETOCOM Forecaster Qualification
Subspecialty code 0047 (Meteorology and Physical Oceanography)
Subspecialty code 0048 (Meteorology)
Basic Oceanography Accession Training (BOAT)

<u>Oceanography:</u> Course NR	<u>Description</u>	<u>Reference</u>	<u>Freq</u>	<u>Length</u>
METOC 60-1T-9601	Oceanography or B.S. in Oceanography	NAVMETOC COMINST 1500.2J	ONCE	---
METOC 60-1T-9602	Operational Oceanography Module II	NAVMETOC COMINST 1500.2J	ONCE	---
METOC 60-1T-9603	Operational Oceanography Module III	NAVMETOC COMINST 1500.2J	ONCE	---

All of the above or:
Subspecialty code 0047 (Operational Oceanography)

Surface METOC Officer billets:

S-5A-0010 Joint METOC Tactical
Application Course (JMTAC) CNMOC 1500.2, Series ONCE 12D

Reserve METOC Officers:

Cooperative series for Meteorology, Education, 6 MO 6 Hours
and Training (COMET) Modules

Enclosure (4)

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PERSONNEL QUALIFICATIONS STANDARDS PROGRAM (NAVY)1. Personnel Qualification Standards (PQS) Accountability

The PQS program as outlined in reference (a) is a required program that provides qualification standards and a record keeping method for training within the Naval Meteorology and Oceanography Command (NAVMETOC COM). PQS is an integral part of each command's existing training program.

2. Program Management. Naval Meteorology and Oceanography Professional Development Center (NAVMETOC PRODEV CEN) provides overall management control of the PQS Program.

a. Directing the standardized implementation and management of the program within the NAVMETOC COM,

b. Evaluating activity PQS program effectiveness.

c. Recommending changes to improve the PQS program to Commander, NAVMETOC COM.

d. Providing Subject Matter Experts (SME) for PQS workshops.

e. Administering the PQS Model Manager Program within NAVMETOC COM.

f. Identifying PQS currently in use and new PQS requirements based on input of new JQRs from NAVMETOC COM activities.

g. Soliciting, reviewing, and compiling recommended PQS changes.

h. Maintaining master copies of PQS.

i. Issuing interim PQS changes to applicable users.

j. Recommending revision of PQS materials to the PQS Development Group.

k. Conducting liaison with fleet training schools and the Chief of Naval Education and Training, as necessary, to properly align the PQS Program.

3. Administration Controls

a. PQS Model Manager. As the PQS Model Manager, NAVMETOC PRODEV CEN will be responsible for the technical accuracy of the individual job qualification standards.

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b. PQS Format. The responsibility for PQS format will remain with the PQS Development Group.

(1) Recommendations for change or revision of PQS materials are submitted to NAVMETOC PRODEV CEN by letter. Changes will be identified either as urgent or routine. Routine changes will be compiled and reviewed at the next scheduled workshop. Urgent changes will be reviewed immediately and may be issued as interim changes by the PQS Model Manager.

(2) Those Job Qualification Requirements (JQR) that have possible claimancy-wide application will be forwarded to NAVMETOC PRODEV CEN for potential reclassification as PQS. All matters affecting PQS format will be referred to the PQS Development Group (PQSDEVGRU). PQSDEVGRU, an operating department (N7) of the Naval Education and Training Professional Development and Technology Center (NETP DTC), is the single site developer of PQS for the Navy.

4. NAVMETOC COM and Naval Meteorology and Oceanography Reserve Action. Personal involvement is the key to the success of a PQS program. The following actions are required:

- a. Establish a PQS program in accordance with reference (a).
- b. Tailor PQS and supplement with JQRs as necessary to reflect local command requirements.
- c. Establish the final PQS qualification authority for the command. Final signature authority should not be delegated below the department head (or equivalent) level.
- d. Implement a program leading to final qualification. The program should consist of a combination of the following:
 - (1) Oral examination board.
 - (2) Written examination.
 - (3) Personal observance of capabilities.
 - (4) Use of command personnel recommendations.
- e. Ensure complete and accurate documentation in PQS program.

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EXAMPLE LETTER OF CERTIFICATION

(COMMAND LETTERHEAD)

1500
Ser

From: (Issuing Activity)
To: (Certified Member's Rate/Name, USN/USNR (as applicable),
SSN)

or

To: (Certified Member's Rank/Name, SSN/MOS, USMC/USMCR)

Subj: CERTIFICATION AS (Site unique position title)

Ref: (a) NAVMETOC COMINST 1500.2J
(b) NAV(LANT/PAC/EUR)METOC CENINST 1500.()
(c) COMCABWEST/COMCABEAST ORDER 1500.() (Marine Corps)

1. In accordance with reference (a), you have met all requirements of reference (b) for certification as a(n) _____.

2. Having demonstrated a satisfactory level of proficiency and having received a favorable recommendation from the certification board, you are hereby certified as a(n) _____ at this activity.

(Signature of Certifying
Authority)

Copy to:
S-1
Activity files
Training record

Enclosure (6)

08 MAR 2001

OccFld 68, METOC Enlisted Career Training Plan

1. The perishable nature of the technical skills required of this OccFld, along with emerging technology demand that individual MOS training continue throughout a Marine's career. Accordingly, the career training plan for OccFld 68, Meteorological & Oceanographic, (METOC) Service provides for continued growth in MOS related skills; moreover, it is divided into progressive phases that focus upon the necessary skills required by grade. Suggested completion times are based upon rank, time in service, and course difficulty.

Observer Phase (MOS 6821):

a. The observer phase encompasses the duties of observing and recording weather conditions, requiring a firm grasp of fundamental meteorology. In addition, it stresses the ability to use ADP assets in the assimilation, distribution, and management of weather-related information and products.

Rank	Time in MOS	Course	Estimated time to complete	Location/ Course#
PVT-LCpl	3 mos	Marine Corps METOC Observer (MCWO) Course	11 Weeks	81 TRW KAFB, MS F0268B1
PVT-LCpl	3-6 mos	Qualification & Certification as a Weather Observer	8 Weeks	MCAS, MCAF, or MWSS
PVT-LCpl	4-6 mos	Aerographer's Mate Module 1 Surface Weather Observations	8.0 Hours	NAVEDTRA 12881
PVT-LCpl	5-7 mos	Aerographer's Mate Module 2 Miscellaneous Observations/Codes	8.0 Hours	NAVEDTRA 12882
PVT-LCpl	6-8 mos	Aerographer's Mate Module 3 Satellites and Weather Radar	8.0 Hours	NAVEDTRA 12883
PVT-LCpl	7-9 mos	Aerographer's Mate Module 4 Communications and Administration	8.0 Hours	NAVEDTRA 12884
PFC-LCpl	8 mos	NEETS Module 22: Introduction to Digital Computers	12.0 Hours	NAVEDTRA 172-22-00- 98
PFC-LCpl	8-10 mos	WinNT4.0: Getting Started (CBT)	4.0 Hours	NAVEDTRA 172-22-00- 88

1 Minimum grade/rank, but may be accelerated for exceptional individuals.

2 Maximum TIME IN MOS for personnel of that particular grade/rank.

3 Goal is completion of course on or before TIME IN MOS date.

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Transition Phase (MOS 6821):

b. The Transition Phase accomplishes a two-fold purpose; primarily, it serves as a transition period from conducting purely weather observing functions to performing some basic analytical/forecasting functions under direct supervision. Additionally, it prepares prospective candidates to attend the Meteorological & Oceanographic Analyst/Forecaster (MOAF) Course.

Rank	Time in MOS	Course	Estimated time to complete	Location/ Course#
LCpl-Cpl	8-11 mos	WinNT4.0 Basic Configuration (CBT)	8 Hours	NAVOCEANO
LCpl-Cpl	8 mos	WinNT4.0: Up and Running (CBT)	5.0 Hours	NAVOCEANO
LCpl-Cpl	10-12 mos	Basic Satellite Imagery Interpretation (CBT)	6.0 Hours	METOC 50-1T-9601
LCpl-Cpl	11-13 mos	WSR-88D Tutorial CD-ROM	8.0 Hours	NAVOCEANO
LCpl-Cpl	13-15 mos	Skew-T/Log P	N/A	AWS/TR- 79/006
LCpl-Sgt	15-24 mos	Introduction to Forecasting (ITF) Vols. 1-6	174.0 Hours	METOC 50-1P-0002
LCpl-Sgt	20-24 mos	Oceanography Correspondence Course	12.0 Hours	METOC 60-1T-9601
Cpl-Sgt	20-26 mos	OJT as an Assistant Forecaster (Must be a "mentoring" process).	24 Weeks	MCAS, MCAF, or MWSS

Forecaster Phase (MOS 6842):

c. This phase focuses primarily on the development and refinement of weather forecasting skills. In addition to maintaining MOS credibility and proficiency, Gunnery Sergeants and Master Sergeants are required to have a thorough understanding and working knowledge of Meteorological Systems Management to include: operating systems, networking, configuration, etc.

1 Minimum grade/rank, but may be accelerated for exceptional individuals.

2 Maximum TIS for personnel of that particular grade/rank.

3 Goal is completion of course on or before TIS date.

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Forecaster Phase (MOS 6842) continued:

Rank	Time in Service	Course	Estimated time to complete	Location/ Course#
Sgt	36 mos	Meteorological & Oceanographic Analyst/Forecaster (MOAF) Course	32 Weeks	81 TRW KAFB, MS F02RCB1
Sgt	48 mos	Qualification & Certification as a Weather Forecaster	12 Weeks	MCAS, MCAF, or MWSS
Sgt	50 mos	Aerographer's Mate First Class & Chief RTM (AG1&C)	24.0 Hours	MCAS, MCAF, or MWSS
Sgt-SSgt	50 mos	Forecast Process (COMET CD-ROM)	3.0 Hours	NAVOCEANO
Sgt-SSgt	56 mos	Satellite Meteorology: Case Studies Using GOES Imager Data 1997 (COMET CD-ROM)	3.0 Hours	NAVOCEANO
Sgt-SSgt	60 mos	Satellite Meteorology: Remote Sensing Using The New Goes Imager (COMET CD-ROM)	6.0 Hours	NAVOCEANO
Sgt-SSgt	60 mos	A Convective Matrix (COMET CD-ROM)	12.0 Hours	NAVOCEANO
Sgt-SSgt	60 mos	Anticipating Convective Storm Structure and Evolution (COMET CD-ROM)	9.0 Hours	NAVOCEANO
Sgt-SSgt	60 mos	Fire Weather (COMET CD-ROM)	6.0 Hours	NAVOCEANO
Sgt-SSgt	N/A	A Workbook On Tropical Clouds and Cloud Systems Observed In Satellite Imagery Volume I	8.0 Hours	METOC 50-1T-9610
Sgt-SSgt	N/A	Tropical Synoptic Models	5.0 Hours	METOC 50-1T-9604
Sgt-SSgt	N/A	Tropical Streamline Analysis	4.0 Hours	METOC 50-1T-9607
Sgt-SSgt	N/A	Operational Oceanography, Mod. II	12.0 Hours	METOC 60-1T-9602
Sgt-SSgt	N/A	Operational Oceanography, Mod. III	12.0 Hours	METOC 60-1T-9603
Sgt-SSgt	N/A	Water Vapor Imagery: Interpretation and Applications to Weather Analysis and Forecasting	12.0 Hours	METOC 50-1B-0001
Sgt-SSgt	N/A	Antenna Construction and Propagation of Radio Waves	11.0 Hours	MCI 25.15

1 Minimum grade/rank, but may be accelerated for exceptional individuals.

2 Maximum TIS for personnel of that particular grade/rank.

3 Goal is completion of course on or before TIS date.

08 MAR 2001

Forecaster Phase (MOS 6842) continued:

Rank	Time in Service	Course	Estimated time to complete	Location/ Course#
SSgt	N/A	WinNT4.0: Managing User's and Groups (CBT)	9.0 Hours	NAVOCEANO
SSgt	N/A	WinNT4.0: Sharing and Securing Network Resources (CBT)	5.0 Hours	NAVOCEANO
SSgt	N/A	WinNT4.0: Network Configurations (CBT)	5.0 Hours	NAVOCEANO
SSgt	N/A	WinNT4.0: Troubleshooting and I Optimization (CBT)	9.0 Hours	NAVOCEANO
SSgt	N/A	WinNT4.0: Introduction to TCP/IP and IP Addressing (CBT)	3.0 Hours	NAVOCEANO
SSgt	N/A	WinNT4.0 : Subnet Addressing, IP Routing and Browsing (CBT)	5.0 Hours	NAVOCEANO
SSgt	N/A	Web A&P: Creating HTML Documents (CBT)	3.0 Hours	NAVOCEANO
SSgt	N/A	Web A&P: Creating Fill In Forms (CBT)	3.0 Hours	NAVOCEANO
SSgt	N/A	Web A&P: Advanced HTML Links (CBT)	4.0 Hours	NAVOCEANO
SSgt	N/A	Joint METOC Tactical Applications Course (JMTAC)	2 Weeks	FLETRACEN
SSgt-GySgt	N/A	Tropical Weather Analysis and Forecasting	4 Weeks	81 TRW KAFB, MS FO20321
SSgt-MSgt	N/A	Meteorological Systems Management	2 Weeks	TBD
SSgt-MSgt	N/A	WSR-88D Operator/Manager Course	3 Weeks	81 TRW KAFB, MX FO2K BK1

1 Minimum grade/rank, but may be accelerated for exceptional individuals.

2 Maximum TIS for personnel of that particular grade/rank.

3 Goal is completion of course on or before TIS date.