

SUBJ: REPORT OF CURRICULUM REVIEW FOR METEOROLOGY (372), METOC (373), OPERATIONAL OCEANOGRAPHY (374), AND OCEANOGRAPHY (440)

AY13 CORE SKILL REQUIREMENTS
METOC Operational Sciences
6401
Curriculum 373

Billet subspecialty coding is to be based on the minimum education/training/experience level required for optimum performance. METOC Operational Sciences (6401) subspecialty coding is justified when, in addition to the general criteria stated in NAVPERS 15839 series (Manual of Navy Officer Manpower and Personnel Classification) Part B, the following specific criteria are satisfied:

1. Subspecialty Coding Restrictions:

a. Billets assigned to: Meteorology and Oceanography (METOC) officer community.

2. Applicable Officer Designator: 180x

3. Applicable Billet Designator: 180x

4. Significant Experience Criteria:

a. METOC Operational Sciences (6401) S-coded billets are not authorized/justified.

b. METOC Operational Sciences (6401) S-coded officers are authorized when the officer filled a P- or Q- coded billet for more than 18 consecutive months and has no subspecialty code in this field.

c. METOC Operational Sciences (6401) R-coded billets are not authorized/justified.

d. METOC Operational Sciences (6401) R-coded officers are justified when the officer filled a P- or Q- coded billet for more than 18 consecutive months and has no subspecialty code in this field.

5. Baccalaureate Criteria:

a. METOC Operational Sciences (6401) E-coded billets are not authorized/justified.

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b. METOC Operational Sciences (6401) E-coded officers are not authorized/justified.

6. Elective Level Criteria: METOC Operational Sciences (6401) H-coded billets are not authorized/justified.

7. Functional Education Criteria:

a. METOC Operational Sciences (6401) F-coded billets are not authorized/justified.

b. METOC Operational Sciences (6401) F-coded officers are justified when:

(1) An officer has not completed all required ESRs while in residence at NAVPGSCOL.

(2) An officer attends a civilian institution and resulting degree does not meet all required ESRs.

(3) An officer filled a P- or Q- coded billet for more than 18 consecutive months and has no subspecialty code in this field.

c. METOC Operational Sciences (6401) G-coded billets are not authorized/justified.

d. METOC Operational Sciences (6401) G-coded officers are not authorized/justified.

8. Master's Criteria For:

a. METOC Operational Sciences (6401) P-coded billets are authorized when the billet requires the following:

(1) The billet requires that the incumbent predict the effects of the Air/Sea environment on weapons, systems, and platforms; provide for the safety of the fleet and the shore establishment; and support strategy and tactics through the application of atmospheric and oceanic sciences in one or more of the following scientific disciplines: Meteorology and Oceanography (METOC), Hydrography, Geospatial Information and Services (GI&S), and Precise Time, Time Interval and Astrometry (PTA).

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(2) The billet requires Master's level facility in Meteorology and Oceanography.

(3) The billet requires the incumbent have the ability to perform one or more of the following:

(a) Direct, or evaluate technical studies on the effects of environmental parameters regarding the design, development, and operations of platforms, weapons, and/or sensor systems.

(b) Evaluate and implement studies of the environmental effects on Naval operations.

(c) Direct or independently develop synoptic forecasting techniques which, when applied to the ocean environment, will relate forecast parameters to military operations (e.g., oceanic thermal conditions to sonar range, atmospheric refractivity to radar range); or the billet requires the incumbent provide specialized environmental forecasts of a highly technical nature (e.g., OTSR, ice conditions, tropical cyclone warnings, high surf warnings).

(d) Independently evaluate spatial and temporal accuracy and relevance of operational environmental support products furnished to the Fleet, including charts, atlases, overlays, and technical publications, and make recommendations for required improvements.

(c) Utilize scientific principles in the planning and conduct of hydrographic and geophysical surveys and/or the management of Geospatial Information and Services (GI&S) programs in support of Fleet or DOD requirements.

(d) Teach undergraduate college level courses in oceanography or meteorology.

(e) Teach Geospatial Information and Services GI&S to mid-grade and senior Navy officers.

(f) Coordinate issues associated with Precise Positioning, Precise Time, Time Interval and Astrometry (PTA).

(g) Develop, coordinate and track requirements for Meteorology and Oceanography (METOC), Hydrographic, Geospatial

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Information and Services (GI&S) and Precise Time, Time Interval and Astrometry (PTA).

b. METOC Operational Sciences (6401) P-coded officers are authorized when:

(1) The officer completes METOC Operational Sciences (373) ESRs.

(2) Full subspecialty will not be given if the thesis is not completed. The officer will receive the "F" subspecialty code. Utilization and obligations are still required. *(Note: When thesis is completed, the student may apply to NPS registrar for a new transcript which should be forwarded to PERS-43 to update officer master file.)*

c. METOC Operational Sciences (6401) Q-coded billets are authorized when the mission requires experience gained through successful completion of at least one previous tour in a 6401 P-coded billet demonstrating experience in naval meteorology and oceanography operations.

d. METOC Operational Sciences (6401) Q-coded officers are authorized when:

(1) The officer has completed the METOC Operational Sciences (373) ESRs and served at least 18 consecutive months in a master's degree coded billet or higher—Must have a P-code prior to a Q-coded tour.

(2) F-coded officers cannot obtain Q-codes.

9. Post-Masters:

a. METOC Operational Sciences (6401) N-coded billets are not authorized/justified.

b. METOC Operational Sciences (6401) N-coded officers are not authorized/justified.

c. METOC Operational Sciences (6401) M-coded billets are not authorized/justified.

d. METOC Operational Sciences (6401) M-coded officers are not authorized/justified.

