

METEORLOGIST

RAPIDS: 0940D

O*NET/SOC: 19-2021.00

REVISION DATE: 09/2019

TRADE DESCRIPTION: Collect, record and analyze weather and oceanographic information. Prepare up-to-date weather maps and oceanographic data. Issue weather forecasts and warnings; conduct weather/oceanographic briefings. Use, test, calibrate and perform minor and preventive maintenance on meteorological instruments including satellite receivers. Prepare balloon-carried instruments for flight. Evaluate and analyze data received. Operate, program and maintain computers and related equipment.

TASK PERFORMANCE: Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following skill areas. Actual work time must be recorded in the Work Experience Log; each skill area must be completed.

Applicable Ratings/MOS/NEC

USMC MOS: 6842

USCG: None

USN: AG

USA MOS: 12Y

Related Instruction:

Trade related On-The-Job-Training (OJT) or Any Trade related schools/courses totaling 288 or more hours.

Additional Requirement:

None

Total Hours: **4000**

Skill	Description	Hours
A	<p>COLLECTION/ANALYSIS</p> <ul style="list-style-type: none"> -- Gather data from sources such as surface or upper air stations, satellites, weather bureaus, or radar for use in meteorological reports or forecasts. -- Conduct meteorological research into the processes or determinants or atmospheric phenomena, weather, or climate. -- Analyze historical climate information, such as precipitation or temperature records, to help predict future weather or climate trends. -- Analyze climate data sets, using techniques such as geophysical fluid dynamics, data assimilation, or numerical modeling. -- Consult with other offices, agencies, professionals, or researchers regarding the use and interpretation of climatological information for weather predictions and warnings. 	1500
B	<p>PREPARATION</p> <ul style="list-style-type: none"> -- Prepare weather reports or maps for analysis, distribution, or use in weather broadcasts, using computer graphics. -- Prepare forecasts or briefings to meet the needs of industry, business, government, or other groups. 	800
C	<p>PROCESSING/FORECASTING</p> <ul style="list-style-type: none"> -- Interpret data, reports, maps, photographs, or charts to predict long or short range weather conditions, using computer models and knowledge of climate theory, physics, and mathematics. -- Conduct numerical simulations of climate conditions to understand and predict global or regional weather patterns. -- Develop or use mathematical or computer models for weather forecasting. -- Formulate predictions by interpreting environmental data, such as meteorological, atmospheric, oceanic, paleoclimate, climate, or related information. 	1000
D	<p>REPORTING/DISSEMINATION</p> <ul style="list-style-type: none"> -- Broadcast weather conditions, forecasts, or severe weather warnings to the public via television, radio, or the internet or provide this information to the news media. -- Prepare scientific atmospheric or climate reports, articles, or texts. -- Direct forecasting services at weather stations or at radio or television broadcasting facilities. 	700