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
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<tr>
<th>Skill</th>
<th>Description</th>
<th>Hours</th>
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| A COLLECTION/ANALYSIS | -- 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 PREPARATION | -- 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 PROCESSING/FORECASTING | -- 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 REPORTING/DISSEMINATION | -- 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 |