

Work Processes Schedule

WEATHER OBSERVER

RAPIDS: 0001M

O*NET/SOC: 19-4099.00

REVISION DATE: 12/2014

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 areas. Actual work time must be recorded in the Work Experience Log.

Applicable Ratings/MOS

USMC MOS 0847, 6821, 6842, 6852

USCG BM, MST

USN AG, QM

Related Instruction

Any trade related schools/courses totaling 288 hours of instruction.

Additional Requirement

None

Total Hours: **4000**

| Skill | Description | Hours |
|-------|--|-------|
| A | <p>EQUIPMENT</p> <p>Operate meteorological equipment to obtain environmental data; to include, but not limited to: automatic weather station, hand held anemometer, aneroid barometer, electric psychrometer, barograph, psychrometric calculator, sling psychrometer, 4 inch rain gauge, transmissometer, cloud height set and wind recorder. Operate communications equipment to receive and disseminate environmental data; to include but not limited to: radio receivers and transmitters (and related components), facsimile recorder, COMEDS, teletypewriters, telephone answering systems, and closed-circuit television systems. Perform operator's preventive maintenance and routine checks on all meteorological and communications equipment. Operate computers to obtain operational data; to include, but not limited to: pilot balloon observations, basic skew-T analysis, OPARS, SAR, surf and surge forecasts, sound focus forecasts, RADFO data, astronomical/climatological data and wordprocessing.</p> | 1000 |
| B | <p>DECODE/ENCODE AND PLOT ENVIRONMENTAL DATA</p> <p>Airways. Land/ship synoptic. Skew-T Log P Diagram (and partially analyze) Constant pressure charts. Sea, swell and combined sea heights. Sea surface temps. Environmental warnings. Radar reports. Plot data from fallout warning messages.</p> | 420 |
| C | <p>ADMINISTRATION</p> <p>Maintain directives, publications and climatological records. Supply responsibility/accountability. Compute astronomical/tidal data.</p> | 450 |
| D | <p>SECURITY</p> <p>Understand principles of a security program to include: classification, access, safeguarding, destruction and compromise of classified material.</p> | 150 |

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| E | <p>SURFACE OBSERVATIONS</p> <p>Observes and records: weather conditions, state of the sky, visibility, wind, temperature and pressure elements. Prepare environmental data for longline and local dissemination.</p> | 1000 |
| F | <p>UPPER AIR SOUNDINGS</p> <p>Collect and compute upper air wind direction and speed using Pilot Balloons and related equipment.</p> | 80 |
| G | <p>ENVIRONMENTAL DATA DISPLAY</p> <p>File and display teletype and facsimile using applicable MANOP headings. Identify and properly color features and history on facsimile products.</p> | 500 |
| H | <p>RADAR</p> <p>Safety. Basic start-up/shut-down procedures.</p> | 100 |
| I | <p>METEOROLOGICAL SATELLITES</p> <p>Safety. Operate equipment to receive meteorological satellite imagery.</p> | 200 |
| J | <p>PILOT TO FORECASTER RADIO (METRO)</p> <p>Safety. Operate equipment.</p> | 100 |