

NOAA COMMISSIONED OFFICER BILLET DESCRIPTION

SECTION 1 - GENERAL INFORMATION

A. Billet Number B. Billet Title
C. Grade Requested D. Type of Submission
E. Minimum amount of overlap between incumbent officer/reporting officer for continuity of duties
F. Duty Type G. Estimated Length of Assignment

SECTION 2 - DUTY STATION ADDRESS AND CONTACT INFORMATION

A. Street Address B. Street Address
C. City D. State E. Country F. Zip Code
G. Office x H. Mobile I. Fax

SECTION 3 - OFFICER EVALUATION REPORTING

A. Supervisor

1. Name 2. Position 3. Grade
4. Email 5. Office x 6. Mobile

B. Reporting Officer (2nd Level Supervisor)

1. Name 2. Position 3. Grade
4. Email 5. Office x 6. Mobile

C. Reviewer (Normally the Reporting Officer's Supervisor)

1. Name 2. Position 3. Grade
4. Email 5. Office x 6. Mobile

SECTION 4 - ACCOUNTING AND ORGANIZATION

Complete as many of the following fields as possible. If in doubt, leave the field blank

A. Organizational Hierarchy - Use common acronyms when possible.

1. Staff or Line Office 2. Office, Center, or Lab
3. Division 4. Branch 5. Section or Team

B. NOAA Goal/Subgoal C. Program
D. NOAA Org Code E. NFC Org Code F. Project-Task

SECTION 5 - PROGRAM, PROJECT OR ACTIVITY OVERVIEW

This billet is located at Oregon State University, in Corvallis, OR. Potential incumbent must be accepted into the School of Civil and Construction Engineering's Geomatics Civil Engineering program. The selected project or thesis should be related to one of the focus areas of NOAA's Office of Coast Survey and National Geodetic Survey. The incumbent should consult with the Chief, OCS Hydrographic Surveys Division and Chief, NGS Remote Sensing Division on these priorities.

The incumbent completes the required course work required for the masters program. In general the first year is concentrated on course work, getting involved with research groups, and selecting a thesis topic and advising committee. The second year is concentrated on course work, data acquisition, analysis, thesis writing, and defense. The third year will be focused on continued research on topics of interest to OCS and NGS, and transition of results to operations as appropriate.

The incumbent participates and assists with ongoing research at OSU as directed by advisors and supervisor. This may include small boat operations, research cruises, and other field work.

SECTION 6 - DUTIES AND RESPONSIBILITIES

- ☐ Property Accountability Officer - Administer and maintain a system of control and accountability for personal property as prescribed in OMAO's Personal Property Policy #1502
- ☐ Property Custodians - Maintain all accountable personal property within your designated area of responsibility as prescribed in OMAO's Personal Property Policy #1502

6A. Description of Duties and Responsibilities

Complete a thesis, project, or coursework related to the goals of OCS and NGS, as well as a defense of research in a peer-review setting.

Maintain a satisfactory grade point average.

Publication of peer-reviewed research.

Be available as needed to augment with NOAA vessels, aircraft, or satisfy other operational duties such as refresher and currency training.

Work frequently and routinely with an academic and research advisor to ensure sufficient continued progress through the program. Maintain regular communications with an academic or research advisor, and OCS supervisor.

Assist as needed with training, operations, and logistics at OSU as necessary.

Represent NOAA Corps in an academic setting with the highest level of integrity and professionalism.

6B. Division of Duties and Responsibilities, Total Must = 100%

Technical + Operational + Leading and Managing + Executive Leadership = 100%

SECTION 6 - DUTIES AND RESPONSIBILITIES (continued)**6C. Resources Managed****1. Human**Does the Officer supervise personnel? ☐ Yes ☒ No Number of personnel supervised Grades of supervised personnel Will the Officer lead people, but has no supervisory responsibilities? ☐ Yes ☒ No Number of personnel led Grades of personnel led **2. Fiscal**Will the Officer have budget responsibility? Dollar Amount (K) **3. Assets - Will the Officer be directly responsible for managing Government assets such as ships, aircraft, boats, etc? If so, list the asset(s) below in terms of physical description and when known, replacement value (indicate if estimated):**

Potentially NOAA and/or OSU equipment necessary for their research, to include instrumentation and equipment in the field and on NOAA's marine and aviation assets.

SECTION 7 - LEADERSHIP PREREQUISITES

GRADE	LEADERSHIP MATURITY LEVEL	LEADERSHIP COMPETENCIES NEEDED FOR THIS BILLET
ENS (O1)	Leading Self	<input checked="" type="checkbox"/> Core Values & Conduct <input checked="" type="checkbox"/> Health & Well Being <input checked="" type="checkbox"/> Responsibility <input checked="" type="checkbox"/> Followership <input checked="" type="checkbox"/> Adaptability
LTJG (O2)		<input checked="" type="checkbox"/> Interpersonal Skills <input checked="" type="checkbox"/> Continuous Learning <input checked="" type="checkbox"/> Technical Proficiency <input checked="" type="checkbox"/> Listening <input checked="" type="checkbox"/> Speaking
LT (O3)		<input checked="" type="checkbox"/> Writing <input type="checkbox"/> Team Building <input checked="" type="checkbox"/> Leveraging Diversity <input checked="" type="checkbox"/> Influencing Others <input type="checkbox"/> Developing Others <input checked="" type="checkbox"/> Execution
LCDR (O4)	Leading Performance and Change	<input type="checkbox"/> Decisiveness <input checked="" type="checkbox"/> Problem Solving <input type="checkbox"/> Conflict Management <input type="checkbox"/> Customer Focus <input checked="" type="checkbox"/> Entrepreneurship
CDR (O5)		<input type="checkbox"/> Creativity & Innovation <input type="checkbox"/> Human Capital Management <input type="checkbox"/> Financial Management <input type="checkbox"/> Technology Management
CAPT (O6) and RADM (O7/O8)	Leading Organizations	<input type="checkbox"/> External Awareness <input type="checkbox"/> Strategic Thinking <input type="checkbox"/> Political Savvy <input type="checkbox"/> Vision <input type="checkbox"/> Partnering

Leadership Prerequisite Comments (Optional)

In addition, the ideal candidate is creative and innovative and has demonstrated abilities in Strategic Thinking and Vision. It is critical that the incumbent arrive not only be academically motivated and qualified for the program, but also able to identify research topics with the potential to advance the long-term priorities of NOAA's mapping and charting community and transition this work to operations at the completion of the billet.

SECTION 8 - OPERATIONAL PREREQUISITES

A. Marine Prerequisites

☒ Officer of the Deck ☐ Senior Watch Officer ☒ ECDIS ☐ Dynamic Positioning ☒ Boat Deployment ☐ MedPIC

☐ Coxswain/OIC ☐ HAZWOPER ☐ AUV Deployment ☐ U/W UAS Deployment ☐ Buoy/Mooring Qualified

☐ Trawl Qualified ☐ Longline Qualified ☒ Hydro Launch PIC ☐ Foreign Port Calls

B. Aviation Prerequisites

☐ Co-Pilot ☐ Pilot ☐ Aircraft Commander ☐ Mission Commander ☐ Instructor Pilot ☐ Hurricane Qualified

☐ Alaska/Wilderness Qualified ☐ Flight Meteorologist ☐ International Flights ☐ UAS Pilot

C. Dive Prerequisites

☐ Scientific Diver ☐ Working Diver ☐ Advanced Working Diver ☐ Master Diver ☐ Dive Master ☐ Dive Medic

☐ Unit Diving Supervisor

D. Additional Operational Prerequisites (security clearances, special training) and Operational Prerequisite Comments (Optional)

Completion of tour aboard hydrographic ship, or experience in navigation response, aircraft operations, work on remote sensing projects preferred. Maritime and hydrographic background preferred, but aviators with appropriate background, interest, and career goals will be considered. Experience with unmanned systems, and UAS in particular, preferred.

SECTION 9 - PROGRAM, PROJECT, OR ACTIVITY PREREQUISITES

List specific qualifications, knowledge, skills or abilities required prior to reporting to this billet. For example: budget (MARS, CBS); personnel; contracting (COTR, Warrants); Scientific (IHO Cateogry A, scientific papers/publications, GIS); engineering (marine survey, ABYC, ABS, FAA); regulatory (US Code, CFR); information technology (databases, networks, programming).

Acceptance into OSU School of Civil and Construction Engineering.

Completion of baccalaureate degree in geology, chemistry, physics, mathematics, engineering, or biological sciences or other scientific discipline, including one year each of college physic and calculus. Some computer programming training or experience is desirable.

SECTION 10 - LEADERSHIP DEVELOPMENT

GRADE	LEADERSHIP MATURITY LEVEL	LEADERSHIP COMPETENCIES DEVELOPED IN THIS BILLET	
ENS (O1)	Leading Self	<input checked="" type="checkbox"/> Core Values & Conduct <input checked="" type="checkbox"/> Health & Well Being <input checked="" type="checkbox"/> Responsibility <input checked="" type="checkbox"/> Followership <input checked="" type="checkbox"/> Adaptability	
LTJG (O2)		<input checked="" type="checkbox"/> Interpersonal Skills <input checked="" type="checkbox"/> Continuous Learning <input checked="" type="checkbox"/> Technical Proficiency <input checked="" type="checkbox"/> Listening <input checked="" type="checkbox"/> Speaking	
LT (O3)	Leading Others	<input checked="" type="checkbox"/> Writing <input checked="" type="checkbox"/> Team Building <input checked="" type="checkbox"/> Leveraging Diversity <input checked="" type="checkbox"/> Influencing Others <input checked="" type="checkbox"/> Developing Others <input checked="" type="checkbox"/> Execution	
LCDR (O4)		<input type="checkbox"/> Decisiveness <input checked="" type="checkbox"/> Problem Solving <input type="checkbox"/> Conflict Management <input checked="" type="checkbox"/> Customer Focus <input checked="" type="checkbox"/> Entrepreneurship	
CDR (O5)	Leading Performance and Change	<input checked="" type="checkbox"/> Creativity & Innovation <input type="checkbox"/> Human Capital Management <input type="checkbox"/> Financial Management <input checked="" type="checkbox"/> Technology Management	
CAPT (O6) and RADM (O7/O8)		<input type="checkbox"/> External Awareness <input checked="" type="checkbox"/> Strategic Thinking <input type="checkbox"/> Political Savvy <input checked="" type="checkbox"/> Vision <input checked="" type="checkbox"/> Partnering	
Leadership Development Comments (Optional)			
Incumbent studies with a diverse student body with backgrounds in varying disciplines from around the world.			

SECTION 11 - OPERATIONAL DEVELOPMENT

A. Marine Development
<input type="checkbox"/> Officer of the Deck <input type="checkbox"/> Senior Watch Officer <input type="checkbox"/> ECDIS <input type="checkbox"/> Dynamic Positioning <input type="checkbox"/> Boat Deployment <input type="checkbox"/> MedPIC <input type="checkbox"/> Coxswain/OIC <input type="checkbox"/> HAZWOPER <input type="checkbox"/> AUV Deployment <input type="checkbox"/> U/W UAS Deployment <input type="checkbox"/> Buoy/Mooring Qualified <input type="checkbox"/> Trawl Qualified <input type="checkbox"/> Longline Qualified <input type="checkbox"/> Hydro Launch PIC <input type="checkbox"/> Foreign Port Calls
B. Aviation Development
<input type="checkbox"/> Co-Pilot <input type="checkbox"/> Pilot <input type="checkbox"/> Aircraft Commander <input type="checkbox"/> Mission Commander <input type="checkbox"/> Instructor Pilot <input type="checkbox"/> Hurricane Qualified <input type="checkbox"/> Alaska/Wilderness Qualified <input type="checkbox"/> Flight Meteorologist <input type="checkbox"/> International Flights <input checked="" type="checkbox"/> UAS Pilot
C. Dive Development
<input type="checkbox"/> Scientific Diver <input type="checkbox"/> Working Diver <input type="checkbox"/> Advanced Working Diver <input type="checkbox"/> Master Diver <input type="checkbox"/> Dive Master <input type="checkbox"/> Dive Medic <input type="checkbox"/> Unit Diving Supervisor
D. Additional Operational Development (security clearances, special training) or Operational Development Comments (Optional)

SECTION 12 - PROGRAM, PROJECT, OR ACTIVITY DEVELOPMENT

List specific qualifications, knowledge, skills or abilities to be developed in this billet. For example: budget (MARS, CBS); personnel; contracting (COTR, Warrants); Scientific (IHO Category A, scientific papers/publications, GIS); engineering (marine survey, ABYC, ABS, FAA); regulatory (US Code, CFR); information technology (databases, networks, programming).

Successful completion of a masters degree in Geomatics Civil Engineering prepares the incumbent for technical and leadership assignments in the Remote Sensing Division (RSD), Office of Coast Survey Development Laboratory (CSDL), Hydrographic Surveys Division (HSD), Navigation Services Division (NSD), Marine Charting Division (MSD), and other NOAA Line Offices engaged in ocean and coastal mapping.

The incumbent gains critical technical knowledge for future sea or aviation assignments aboard NOAA platforms engaged in data acquisition and processing for hydrographic surveying and coastal mapping.

Incumbent learns to integrate the core technical expertise and resources of OCS and NGS with needs and capabilities of all NOAA Line Offices, directly furthering NOAA's Integrated Ocean and Coastal Mapping efforts.

Incumbent has the opportunity to write and present original scientific research, and work with internationally recognized scientists. Incumbent studies with international student body from around the world.

SECTION 13 - CRITICAL SUCCESS CRITERIA

Provide brief measurable performance goals which would represent successful performance in this billet.

Successful defense of thesis or completion of research project.

Maintain satisfactory grade point average.

Maintain regular communications with coastal mapping community and supervisor

SECTION 14 - ROUTING, REVIEW, RECOMMENDATION AND APPROVAL

A. Developer's Statement

"I certify that I have written this billet description and certify that it is a true and correct representation of the billet."

1. Signature SHARR.MATTHEW.BRANDO
N.1503637126

Digitally signed by
SHARR.MATTHEW.BRANDO.1503637126
Date: 2020.08.04 15:29:28 -10'00'

2. Date 2020-08-03

3. Name LT Matthew Sharr, NOAA

4. Title/Position OPS-In-Training, NOAA Ship RAINIER

B. Supervisor's Statement

"I have reviewed this billet description and certify that it is a true and correct representation of this billet "

1. Signature GOTHAN.DAVID.MICHAEL.12
84011283

Digitally signed by
GOTHAN.DAVID.MICHAEL.1284011283
Date: 2020.08.06 13:34:34 -04'00'

2. Date 2020-08-06

3. Name CDR David Gothan, NOAA

4. Title/Position Deputy Chief, Remote Sensing Division

C. Reviewing Officer's Statement

"I have reviewed this billet description and certify that this billet is a priority for my Line, Staff, or Headquarters Office."

1. Signature 

Digitally signed by
EVANS.BENJAMIN.K.1237217094
Date: 2020.08.06 10:57:34 -07'00'

2. Date 2020-08-06

3. Name CAPT Benjamin Evans, NOAA

4. Title/Position NOS Line Office Liaison Officer

D. Commissioned Personnel Center Endorsement

"I am the OMAO/CPC Officer Career Management Division representative. I recommend reprogramming of this billet."

1. Signature WATTAM.RYAN.CAULFIELD.1
107213097

Digitally signed by
WATTAM.RYAN.CAULFIELD.1107213097
Date: 2020.09.10 13:15:46 -04'00'

2. Date 2020-09-10

3. Name CDR Ryan Wattam, NOAA

4. Title/Position Chief, OCMD

E. Director, NOAA Corps Endorsement

"I am the Director, NOAA Corps and I approve this billet."

1. Signature 

2. Date OCT - 6 2020

3. Name RADM Michael J. Silah

4. Title/Position Director, NOAA Corps

Print Form

Submit to CPC (Reviewer Use Only)