

NOAA COMMISSIONED OFFICER BILLET DESCRIPTION

SECTION 1 - GENERAL INFORMATION

A. Billet Number	7198	B. Billet Title	FUT NGS
C. Grade Requested	O2 - LTJG	D. Type of Submission	ANNUAL RECERTIFICATION
E. Minimum amount of overlap between incumbent officer/reporting officer for continuity of duties	No Overlap Required		
F. Duty Type	TRAINING	G. Estimated Length of Assignment	1 year

SECTION 2 - DUTY STATION ADDRESS AND CONTACT INFORMATION

A. Street Address	1020 Balch Blvd	B. Street Address					
C. City	Stennis Space Center	D. State	Mississippi	E. Country	United States	F. Zip Code	39529
G. Office	+1 (228) 688-7123	x		H. Mobile		I. Fax	+1 (228) 688-1121

SECTION 3 - OFFICER EVALUATION REPORTING

A. Supervisor							
1. Name	Eric Berkowitz	2. Position	Deputy Chief, Remote Sensing Division	3. Grade	O5		
4. Email	eric.w.berkowitz@noaa.gov	5. Office	+1 (301) 713-2663	x	153	6. Mobile	
B. Reporting Officer (2nd Level Supervisor)							
1. Name	Mike Aslaksen	2. Position	Chief, Remote Sensing Division	3. Grade	ZP V		
4. Email	mike.aslaksen@noaa.gov	5. Office	+1 (301) 713-2663	x	160	6. Mobile	+1 (301) 801-9024
C. Reviewer (Normally the Reporting Officer's Supervisor)							
1. Name	CAPT Michele Finn	2. Position	NOS Liaison	3. Grade	O5		
4. Email	michele.finn@noaa.gov	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	NOS	2. Office, Center, or Lab	NGS			
3. Division	Remote Sensing Division	4. Branch		5. Section or Team		
B. NOAA Goal/Subgoal			Commerce and Transportation	C. Program		Marine Transportation System
D. NOAA Org Code		E. NFC Org Code		F. Project-Task		

SECTION 5 - PROGRAM, PROJECT OR ACTIVITY OVERVIEW

This billet is a rigorous one-year Master of Science (MS) program in Hydrographic Science offered through the University of Southern Mississippi (USM). The program is accredited by the International Hydrographic Organization (FIG/IHO) International Advisory Board; and, upon completion, the officer will have fulfilled all the academic requirements towards becoming a Category A hydrographic surveyor.

The officer will receive a solid foundation in geodesy and acoustic theory; will have exposure to various acquisition and processing software suites; and will have hands-on training with several echosounders and side scan sonars. The culmination of the program is a group project in which students will execute an entire hydrographic survey that begins with the writing of the survey specifications and the installation/calibration of the survey equipment; and ends with the production of a paper chart and ENC - with data to be submitted to NOAA's Office of Coast Survey for inclusion in a future nautical chart.

All coursework takes place at the Stennis Space Center, which in addition to hosting USM, is also home of the Naval Oceanographic Office (NAVOCEANO) and a U.S. Naval Research Laboratory (NRL) detachment. When combined with the multi-national student base attracted to USM's program, the officer will find themselves in an excellent networking environment, able to get first-hand accounts of the methodologies employed by other hydrographic organizations around the world.

SECTION 6 - DUTIES AND RESPONSIBILITIES

6A. Description of Duties and Responsibilities

-- As a full-time university training (FUT) billet, the officer's primary duties are to attend classes, assimilate information, and perform well on exams.

-- The billet is a remote assignment, so it is incumbent upon the officer to maintain communications with their command in Silver Spring, MD.

-- Maintain communications with their fellow officer at the Joint Airborne Lidar Bathymetry Technical Center of Expertise (JALBTCX), as this is a probable follow-on assignment (Billet #7199) to this assignment (Billet #7198).

-- It is likely the occupant of this billet will be the sole NOAA Corps officer, and potentially the sole NOAA employee, enrolled in this program. Given the majority of the remaining class members will be comprised of officers from either the U.S. Navy or other world naval institutions (British Royal Navy, Royal Australian Navy), the officer will be an emissary of the NOAA Corps and must conduct themselves accordingly.

-- The officer may be selected to lead his/her group project which would require the management of approximately 12 technically adept students (most of whom are commissioned officers) in order to complete the group project in lieu of a master's thesis.

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):

N/A

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)	Leading Others	<input checked="" type="checkbox"/> Writing <input type="checkbox"/> Team Building <input type="checkbox"/> Leveraging Diversity <input checked="" type="checkbox"/> Influencing Others <input 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 type="checkbox"/> Customer Focus <input type="checkbox"/> Entrepreneurship
CDR (O5)	Leading Performance and Change	<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)		<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)

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)

This billet requires the successful completion of a first sea tour, or first aviation assignment. Likely follow-on billets require a secret security clearance with the ability to obtain a TS(SCI) clearance.

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 Category A, scientific papers/publications, GIS); engineering (marine survey, ABYC, ABS, FAA); regulatory (US Code, CFR); information technology (databases, networks, programming).

While USM's one-year program is designed to build a hydrographer "from scratch", an officer who has served aboard a hydrographic ship will have a distinct advantage over those who have not, and will be able to concentrate on specific areas of interest or need. A hydrographic background will enrich the officer's learning experience and open avenues of research that would not be available to someone that is preoccupied with learning the basics.

As with any graduate program, the student must apply to USM's graduate school; selection for this billet is not a sufficient condition for enrollment. Application requirements include 3 letters of recommendation, current GRE scores and a set of official college transcripts. Admission to the program is solely at the discretion of USM.

While not an absolute requirement, a strong background in mathematics is preferred: including integral, differential and multivariable calculus; in addition to some exposure to linear algebra. A background in calculus-based Physics is necessary.

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 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 checked="" type="checkbox"/> Decisiveness <input checked="" type="checkbox"/> Problem Solving <input checked="" type="checkbox"/> Conflict Management <input checked="" type="checkbox"/> Customer Focus <input 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 type="checkbox"/> Strategic Thinking <input type="checkbox"/> Political Savvy <input type="checkbox"/> Vision <input type="checkbox"/> Partnering

Leadership Development Comments (Optional)

If the officer enters this billet with a background in hydrography, they will quickly find themselves better prepared than their classmates. This advanced standing will often set the officer in a leadership role with regard to team exercises or project management. The officer will also find themselves tutoring the first-time hydrographers so they may be better prepared to participate in the group surveys.

SECTION 11 - OPERATIONAL DEVELOPMENT

A. Marine Development

- 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 Development

- Co-Pilot Pilot Aircraft Commander Mission Commander Instructor Pilot Hurricane Qualified
 Alaska/Wilderness Qualified Flight Meteorologist International Flights UAS Pilot

C. Dive Development

- Scientific Diver Working Diver Advanced Working Diver Master Diver Dive Master Dive Medic
 Unit Diving Supervisor

D. Additional Operational Development (security clearances, special training) or Operational Development Comments (Optional)

While NOAA's hydrographic ships have their own requirements for achieving Hydro Launch PIC qualifications, an officer, upon completion of this assignment, will have the technical skills necessary to be a Launch PIC within the NOAA fleet.

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).

Being a FUT billet, all class work is designed towards fostering education; thus continuous learning and developing technical proficiency will be the norm.

Assignments and field work are meant to engage the student and complement the lecture material. This will challenge the officer in their abilities to recognize and solve problems and, perhaps, approach a task in an innovative way.

The officer will be engaged in numerous practical exercises, reports and presentations. Depending on the breadth of the assignment, anything can be required from a simple graph, to a 50-page report, to several lines of computer code, to a fully-developed set of Standard Operating Procedures. The officer should emerge with a strong set of communication skills including listening, writing and public speaking.

Finally, the USM Category A program attracts individuals from numerous different hydrographic institutions. Few tasks set before the officer will be solitary exercise. In this group environment, the officer must be prepared to draw upon the experience of their classmates and learn to divide otherwise large tasks among the different team members.

SECTION 13 - CRITICAL SUCCESS CRITERIA

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

- Officers must maintain a 3.0 (out of 4.0) Grade Point Average.
- Officers must complete the program within 1 year (15 credit hours fall, 15 credit hours spring, 6 credit hours summer).

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 **Michael O. Gonsalves**

Digitally signed by Michael O. Gonsalves
DN: cn=Michael O. Gonsalves, o=NOAA, ou=NOAA Ship
FAIRWEATHER, email=michael.gonsalves@noaa.gov, c=US
Date: 2010.04.19 14:50:46 -0500

2. Date **2010-04-19**

3. Name **Michael O. Gonsalves**

4. Title/Position **JALBTCX Team Leader**

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

CDR Eric W. Berkowitz
2010.05.21 16:19:21 -04'00'

2. Date **2010-05-21**

3. Name **CDR Eric W. Berkowitz, NOAA**

4. Title/Position **Deputy Chief, RSD**

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 **Captain Michele Finn**

Digitally signed by Captain Michele Finn
DN: cn=Captain Michele Finn, o=Disaster Response Center,
ou=NOS/ORR, email=michele.a.finn@noaa.gov, c=US
Date: 2010.05.21 16:36:55 -0400

2. Date **2010-05-21**

3. Name **Captain Michele Finn, NOAA**

4. Title/Position **NOS Liaison Officer**

D. Commissioned Personnel Center Endorsement

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

1. Signature



2. Date

11/22/2011

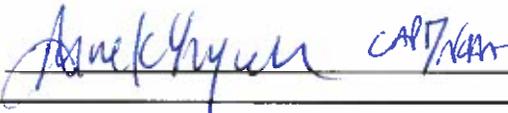
3. Name **LT Amanda Goeller**

4. Title/Position **Chief, Officer Assignment Branch**

D. Director, NOAA Corps Endorsement

"I am the **authorized representative of the Director, NOAA Corps** and I **approve** this billet."

1. Signature



2. Date

1/23/2012

3. Name **CAPT Anne Lynch**

4. Title/Position **Director, Commissioned Personnel Center**

Print Form

Submit to CPC (Reviewer Use Only)

