

NOAA COMMISSIONED OFFICER BILLET DESCRIPTION

SECTION 1 - GENERAL INFORMATION

A. Billet Number	7199	B. Billet Title	Joint Lidar Center - NOAA Liaison/ Remote Sensing Operator		
C. Grade Requested	O3 - LT	D. Type of Submission	CHANGE OF LOCATION		
E. Minimum amount of overlap between incumbent officer/reporting officer for continuity of duties	1 Month				
F. Duty Type	MOBILE	G. Estimated Length of Assignment	2 years		

SECTION 2 - DUTY STATION ADDRESS AND CONTACT INFORMATION

A. Street Address	1315 East West Highway	B. Street Address	SSMC3		
C. City	Silver Spring	D. State	Maryland	E. Country	United States
F. Zip Code	20910				
G. Office	+1 (301) 713-2663	x		H. Mobile	
I. Fax					

SECTION 3 - OFFICER EVALUATION REPORTING

A. Supervisor					
1. Name	LCDR Chris Sloan	2. Position	Chief, Requirements Branch	3. Grade	O4
4. Email	chris.sloan@noaa.gov	5. Office	+1 (301) 713-2670	x	176
6. Mobile					
B. Reporting Officer (2nd Level Supervisor)					
1. Name	CDR Mark Sweeney	2. Position	Deputy Chief, Remote Sensing Division	3. Grade	O5
4. Email	mark.sweeney@noaa.gov	5. Office	+1 (301) 713-2663	x	153
6. Mobile					
C. Reviewer (Normally the Reporting Officer's Supervisor)					
1. Name	Michael L. Aslaksen, Jr.	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				

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	RSD	4. Branch	Requirements Branch	5. Section or Team	

B. NOAA Goal/Subgoal	Commerce and Transportation	C. Program	Marine Transportation		
D. NOAA Org Code	1011	E. NFC Org Code		F. Project-Task	

SECTION 5 - PROGRAM, PROJECT OR ACTIVITY OVERVIEW

The officer will serve as the NOAA representative to the Joint Airborne Lidar Bathymetry Technical Center of Expertise (JALBTCX), and will also perform as an in-flight remote sensing operator. The Joint Center, as it is called, is a consortium made up of the US Army Corps of Engineers (USACE), the Naval Oceanographic Office (NAVO), the United States Geologic Survey (USGS), and NOAA. The Center's main function is to manage the survey operations of a government-owned / contractor-operated airborne sensor suite (Lidar, hyperspectral imager, RGB camera) in order to meet federal government charting requirements and to promote Integrated Ocean and Coastal Mapping (IOCM) efforts. Historically, the surveys have been executed on behalf of the USACE, Navy, and NOAA. The Center's secondary function is to promote and conduct the research and development associated with topographic/bathymetric lidars and their related functions.

The officer's role with JALBTCX will be to liaison and provide expertise and support to the consortium. The officer will live and work in Silver Spring, MD and will travel as needed down to Stennis, MS to interact with JALBTCX.

The officer will also serve in the Requirements Branch of RSD establishing coastal mapping project requirements and boundaries, traveling with the NOAA aircraft to support survey collections, and post-processing data collected as visual imagery and Lidar.

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

The officer's primary duty will be to act as a liaison between the Joint Center and various NOAA programs to ultimately determine how best to utilize lidar bathymetry and its related technologies to execute NOAA missions and meet NOAA requirements; while also positively contributing to the Joint Center's own missions. This duty will be accomplished through the following:

--Providing expertise to Joint Center personnel regarding NOAA operations and programs. These duties can range from simply being a point-of-contact between Joint Center and NGS, RSD, and OCS personnel, to receiving first-hand training in NOAA offices and then developing a set of standard operating procedures for Joint Center use.

--Becoming a subject matter expert in the field of lidar to be a resource for the broader NOAA community. By learning about the technological and operational issues affecting survey production, learning the systems' capabilities and strengths, the officer should be capable of fielding questions, training personnel, and performing outreach to identify and educate NOAA offices who could be using Joint Center products, but are not presently doing so.

--Assisting the Joint Center in the planning and execution of various functions: Annual JALBTCX lidar workshop, Mapping applications workshop, Survey specifications workshops.

--Engaging in directed research and disseminating results through the appropriate government (OCS Field Procedures Workshop, JALBTCX workshops, Remote Sensing Division Coastal Mapping Board) or professional channels.

--Sitting on the oversight committee for the Coastal Zone Mapping and Imaging (CZMIL) System, a \$24 million research and development project.

--Performing various ancillary tasks as may be assigned by the Chief, Remote Sensing Division when necessary.

The officer will also travel frequently with NOAA aircraft serving as an operator of our airborne Lidar and camera systems in support of Coastal Mapping and Emergency Response functions. The officer will be expected to plan, execute, and post process collected data for a variety of Coastal Mapping and Emergency Response projects, and will develop expertise in the involved systems which will aid in the role of liaison to JALBTCX.

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 type="checkbox"/> Influencing Others <input type="checkbox"/> Developing Others <input checked="" type="checkbox"/> Execution
LCDR (O4)		<input type="checkbox"/> Decisiveness <input 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)

This billet has been relocated and the officer will now be stationed in Silver Spring, MD.

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)

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).

The officer should have either a strong hydrographic background or a vast experience working with remotely sensed data and their derived products. As such, it is strongly recommended that the officer has previously completed billet 7198 to ensure success in this billet, or otherwise has both an extremely strong understanding of the science behind Hydrography and knowledge of computer programming and data analysis.

The officer should be aware of the fields in which hydrographic data is used, proficient in the software used to process and analyze hydrographic data (Matlab, C++, and VDatum), have a clear understanding of the underlying physics, and an awareness of the sources of uncertainty and limitations of hydrographic systems.

As a liaison to other government agencies, the ability to effectively communicate cannot be over-emphasized. Further, the officer will frequently be required to interact with individuals of a higher rank or senior officials and will be expected to have a proper bearing and a clear understanding of military customs and courtesies.

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 checked="" type="checkbox"/> External Awareness <input type="checkbox"/> Strategic Thinking <input type="checkbox"/> Political Savvy <input type="checkbox"/> Vision <input checked="" type="checkbox"/> Partnering

Leadership Development Comments (Optional)

Lidar is a developing technology and the Joint Center and RSD are at the forefront of that development. This billet allows the officer to be involved in this research while working with a diverse group of individuals from multiple government agencies and the private sector. The officer will be the point of contact for multiple organizations, and will need to be able to quickly learn the discipline well enough to both solve problems and identify new applications. This billet also provides the opportunity for scientific publication.

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)

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).

As a liaison, the officer's communication skills will be constantly refined. The officer will act as a go-between for both Joint Center and NOAA technical inquiries. The officer could be asked to provide both high-level briefings to USACE or Navy VIPs or a technically-oriented presentation to a field unit. The preparation of reports, standard operating procedures and papers for technical publication in scientific journals are commonplace within this billet.

From an operational perspective, experience gained through this billet will be extremely useful aboard the NOAA hydrographic survey platforms or at the hydrographic branches, where there is a dearth of lidar expertise; and would be beneficial to a NOAA aviator who is flying aircraft with remote sensing capabilities.

SECTION 13 - CRITICAL SUCCESS CRITERIA

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

- Officer should publish a paper (white paper or scientific journal) once per year.
- Officer should present developments at JALBTCX at least twice a year.
- Officer should continually strive to make new contacts within NOAA programs to identify new customers for Joint Center and/or RSD products.
- Officer should specifically seek to leverage Joint Center products within the Office of Coast Survey and the Remote Sensing Division to complement NOAA's nautical charting and Coastal Mapping Program initiatives.
- Officer should become technically proficient in operating NOAA owned lidar systems and processing collected data.

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 SWEENEY.MARK.M.1093559572
72

Digitally signed by SWEENEY.MARK.M.1093559572
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=NOAA, cn=SWEENEY.MARK.M.1093559572
Date: 2016.06.02 11:34:23 -04'00'

2. Date 2016-05-10

3. Name CDR Mark Sweeney, NOAA

4. Title/Position Deputy Chief, Remote Sensing Division

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 ASLAKSEN.MICHAEL.L.JR.1090880230
90880230

Digitally signed by ASLAKSEN.MICHAEL.L.JR.1090880230
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=OTHER, cn=ASLAKSEN.MICHAEL.L.JR.1090880230
Date: 2016.06.02 12:56:41 -04'00'

2. Date 2016-06-02

3. Name Michael L. Aslaksen, Jr.

4. Title/Position 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  2016.06.02 15:09:48 -04'00'

2. Date 2016-06-02

3. Name CAPT Eric Berkowitz

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  CDR, NOAA

2. Date 7/7/2016

3. Name CDR Devin R. Brakob, NOAA

4. Title/Position Chief, Officer Career Management Division

E. Director, NOAA Corps Endorsement

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

1. Signature  RADM, NOAA

2. Date 7/11/16

3. Name RADM David A. Score, NOAA

4. Title/Position Director, NOAA Corps

Print Form

Submit to CPC (Reviewer Use Only)