DEPARTMENT OF HOMELAND SECURITY
U.S. Coast Guard

OFFICER SPECIALTY REQUIREMENTS (OSR)

Reference: COMDTINST M5300.3 (series)

SECTION I General Information

1. Specialty/Subspecialty Title (*Ex. Fixed Wing Aviation)*	2. Code (*Ex. CG-AVI11)*
Marine Safety Engineering	CG-OAP16

3. Specialty/Subspecialty Description

OAP16 Marine Safety Engineers (MSEs) are the Coast Guard's (CG) technical experts in all aspects of commercial vessel and offshore safety and design. First-tour MSEs perform a key function in the CG's Prevention operations by reviewing vessel plans for compliance with CG standards, providing technical advice to the field during casualties, and by developing new standards to improve safety. MSE payback billets are located at the Marine Safety Center (MSC), in the Office of Design & Engineering Standards (CG-ENG), and at the Liquified Gas Carrier, Cruise Ship, & Outer Continental Shelf National Centers of Expertise (NCOE). Given their postgraduate education, technical competencies, and extensive experience acquired while serving in these positions, MSEs are typically assigned to high profile leadership positions at Sectors/MSUs after completion of their payback assignment. (cont. in block 10)

4. Change Justification

☐ Annual Review ☒ Annual Review w/changes ☐ Required *(change in policy, law, etc.)*
☐ Other *(briefly state reason):*

SECTION II Initial (*Apprentice*) Specialty/Subspecialty Requirements

Enter items needed for specialty designation *(Use block 10 for additional space or another CGHQ-5318 form)*

5. Required items:	Competency	Training	Education	License
Graduate of the Marine Engineering, Fire Protection Engineering,	☐	☐	☒	☐
Electrical Power & Controls Engineering, Mechanical Engineering,	☐	☐	☐	☐
or Chemical Engineering postgraduate program, in any one of the	☐	☐	☐	☐
following Master of Science/Engineering disciplines:	☐	☐	☐	☐
Naval Architecture / Marine Engineering	☐	☐	☐	☐
Mechanical Engineering	☐	☐	☐	☐
Fire Protection Engineering	☐	☐	☐	☐
Ocean Engineering	☐	☐	☐	☐
Chemical Engineering	☐	☐	☐	☐
Systems Engineering	☐	☐	☐	☐
Petroleum Engineering	☐	☐	☐	☐
Electrical Power & Controls Engineering	☐	☐	☐	☐
Human Factors/Reliability Engineering	☐	☐	☐	☐

Notes: *(Required experience, in lieu of considerations...)*

- Must have been assigned to the Marine Safety Center (MSC), Office of Design & Engineering Standards (CG-ENG), or Liquefied Gas Carrier, Cruise Ship, or Outer Continental Shelf National Center of Expertise (NCOE).

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Enter items desired for career broadening/specialization. *(Use block 10 for additional space or another CGHQ-5318 form)*

6. Desired items	Competency	Training	Education	License
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
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	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Notes:

SECTION III Requirements to Maintain Specialty Designation

7. Designation Duration *(Ex. OSC expires 7 years after date last used, usually detachment from OSC coded billet)*

☒ No requirements to maintain designation

☐ Subject to deletion if -

Must remain current in, or must complete refresher training, or additional items as applicable, in the following	Competency	Training	Education	License
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Notes:

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SECTION IV Requirements to Advance: Journeyman/Master Levels (AJM)

☒ AJM IS NOT applicable for this specialty *(skip Section IV)*

☐ AJM IS applicable for this specialty *(Section II contains Apprentice requirements that must be met)*

Enter items needed for AJM designation *(Use block 10 for additional space or another CGHQ-5318 form)*

8. Journeyman *(in addition to block 5 items)* All items listed are required unless annotated with an *:	Competency	Training	Education	License
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Notes: *(Required experience, in lieu of considerations...)*

9. Master *(in addition to block 8 items)* All items listed are required unless annotated with an * :	Competency	Training	Education	License
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Notes: *(Required experience, in lieu of considerations...)*

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10. Additional Info:

(cont. from block 3) The CG Authorization Act of 2010 requires the CG to produce MSEs who have both education and experience. The Act specifically identifies MSEs as having the knowledge, skill, and practical experience in the construction and operation of commercial vessels and the ability to judge the character, strength, stability, and safety qualities of such vessels and their equipment. This unique skill set ensures that the CG has the personnel to meet the critical Marine Safety Prevention mission. The Act also lists 'MSE' as one of the prerequisites for assignment as Chief of Prevention and one of the Flag officer positions.

Program Manager (PM): CG-ENG
Officer Specialty Manager (OSM): CG-ENG
Advanced Education Program (AEP) Manager: CG-ENG-1

11. Specialty Manager *(SM)* / Sponsor Program	12. SM Phone Number	13. SM Email Address
CAPT Benjamin J. Hawkins / CG-ENG	(202) 372-1352	Benjamin.J.Hawkins@uscg.mil

SECTION V Appropriate Approval Authority

14. Competent Authority as established by Assistant Commandant/Directorate *(Printed Name/Title/Grade)*

CAPT Benjamin J. Hawkins / Chief, Office of Design & Engineering Standards

15. Signature	16. Date
HAWKINS.BENJAMIN.J.1091410911 Digitally signed by HAWKINS.BENJAMIN.J.1091410911 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USCG, cn=HAWKINS.BENJAMIN.J.1091410911 Date: 2015.12.22 07:53:36 -05'00'	12/22/2015

SECTION VI OPM-3 Review and Validation
Official once published by OPM-3

17. OPM-3 *(Printed Name/Title/Grade)*

CDR Beth Naff, CG PSC-OPM-3 Branch Chief

18. Signature	19. Date
NAFF.BETH.A.1025993248 Digitally signed by NAFF.BETH.A.1025993248 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USCG, cn=NAFF.BETH.A.1025993248 Date: 2016.01.07 07:03:39 -05'00'	1/7/2016