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*)
Naval Engineering	CG-ENG12

3. Specialty/Subspecialty Description

Officers assigned this sub-specialty are responsible for overseeing the design, construction, operation, and maintenance of cutters and boats. Highly trained engineers are necessary to manage the sustainment and to operate our diverse fleet of cutters and boats as well as oversee the design and construction of the Coast Guard's newly acquired technologically advanced cutters and boats.

4. Change Justification

☐ Annual Review ☐ Annual Review w/changes ☐ Required *(change in policy, law, etc.)*

☒ Other *(briefly state reason):* Form version change/annual review

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
ENG-SH1, Basic Shipboard Engineering	×	☐	☐	☐
ENG-SH2, Advanced Shipboard Engineering	×	☐	☐	☐
NE-AE, Afloat Engineering	×	☐	☐	☐
NE-AT, Afloat Engineering Training Officer	×	☐	☐	☐
NE-DMM, Engineering Depot Maintenance Manager	×	☐	☐	☐
NE-DCM, Damage Control Management	×	☐	☐	☐
ENG-MGT, Systems Engineering	×	☐	☐	☐
BS (Concentration in Eng, Math, or Science preferred)	☐	☐	×	☐
Completion of Naval Engineer PQS, COMDTINST M3502.11(series), Ch 1-6	☐	×	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

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

- All competencies are obtained while completing Naval Engineer Personnel Qualification Standard, COMDTINST M3502.11 (series). Former engineering rated personnel who have successfully completed the CWO to LT program are exempt from the competency requirements.

- Must complete two tours in NE coded positions including the Student Engineer afloat Tour and must complete all parts of the Naval Engineer Personnel Qualification Standard, COMDTINST M3502.11 (series) - OR - Former engineering rated personnel who have successfully completed the CWO to LT program.

- In lieu of education: 1. Former engineering rated personnel who have successfully completed the CWO to LT program. 2. May enter specialty through DCO Program with prior enlisted experience.

- In lieu of training: Former engineering rated personnel who have successfully completed the CWO to LT program.

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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
NE-PE, Port Engineering	X			
NE-PM, Engineering Procurement Management	X			
ENG-LMGT, Engineering Logistics Management	X			
NE-ME1, Marine Engineering	X			
NENG-ME2, Mechanical Engineering	X			
IENG-IM, Industrial Management	X			
Masters of Science			X	
501206, Engineering Administration, MK-01A		X		
Workforce Management Training (CG-1214 sponsored)		X		
* CGPMII, CGSEII, or CG-LCLII.	X	X		
* CGPMIII, CGSEIII, or CG-LCLIII.	X	X		
Professional Engineering License (Naval Arch, ME, Industrial)				X

Notes:

- Master of Science degree shall be in an Engineering (Naval Architecture, Mechanical Engineering, Electrical Engineering), Engineering Management, Systems Engineering, or Industrial (Industrial Administration, Industrial Operations Engineering) discipline.

- CGPMII/III, CGSEII/III, or CG-LCLII/III are highly desired to attain if member is assigned to a billet where certification requirements can be fulfill.

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 -

relieved for cause or relieved from primary duties in subject matter billet. Expires 7 years from designation unless officer meets requirements for continued designation/assignment within ENG12. Members who have served in the specialty at the O5/O6 level will not have ENG12 expire.

Must remain current in, or must complete refresher training, or additional items as applicable, in the following	Competency	Training	Education	License
* CGPM-DHS Acquisition Program Manager Level I Certification	X			
* CGSE-DHS Systems Engineering Level 1 Certification	X			
* CGLCL-DHS Life Cycle Logistics Level 1 Certification	X			

Notes:

- Former engineering rated personnel who have successfully completed the CWO to LT program must complete the requirements and submit an application for 1 of the 3 training items marked with an *.

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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:

Program Manager (PM): CG-452

Officer Specialty Manager (OSM) and Advanced Education Program (AEP) Manager: DCMS-81

11. Specialty Manager *(SM)* / Sponsor Program	12. SM Phone Number	13. SM Email Address
LT Lucas Marino/CG-452	(202)475-5719	lucas.c.marino@uscg.mil

SECTION V Appropriate Approval Authority

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

CDR Vincent J. Skwarek, Chief, Naval Engineering Program Management Division

15. Signature	16. Date
Digitally signed by SKWAREK.VINCENT.J.1028315640 Reason: I am approving this document Date: 2014.09.23 12:34:16 -04'00'	9/23/2014

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: 2014.09.23 13:37:58 -04'00'	9/23/2014