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)*
Electrical & Electronics Engineering	CG-C4I12

3. Specialty/Subspecialty Description

Officers in this sub-specialty are involved with all facets of electronic and C4ISR systems. These engineering functions include the design, development, testing, evaluation, development of specifications, development of national and international standards, and support of a wide variety of systems, including navigation, shipboard, vessel traffic services, security and display systems and other specialized systems such as those developed to enhance maritime domain awareness. These systems often represent the current state of technological innovation. CG Electrical/Electronics Engineers are internationally recognized as experts in certain maritime technologies.

4. Change Justification

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

☒ Other *(briefly state reason):* Form revision/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: For competencies, must have one of the 5 listed below (annotated with *)	Competency	Training	Education	License
*ISM-CE, Computer Engineering	☒	☐	☐	☐
*C4-ESM, Electronic Systems Maintenance	☒	☐	☐	☐
*ENG-LMGT, Engineering Logistics Management	☒	☐	☐	☐
*ISYSMNT, Info Sys Maint	☒	☐	☐	☐
*C4-EI, Installation Standards	☒	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
BS, C4 field; Electrical/Electronics Engineering, Computer Eng,	☐	☐	☒	☐
Systems Eng, or related degree	☐	☐	☐	☐
	☐	☐	☐	☐
CGIT-DHS Information Technology Level I Certification	☒	☒	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

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

-Must complete at least one successful tour in CG-C4I12 coded billet.

-In lieu of the education requirement, members can complete five years experience in officer C4IT billets or identify as a Direct Commission Officer commissioned through the DCE-C4IT 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
LOG-101, DAU Acquisition Logistics Fundamentals	☐	☒	☐	☐
SYS-101, DAU Fundamentals of Systems Planning, Research, Development	☐	☒	☐	☐
Engineering	☐	☐	☐	☐
PMT-250, DAU Program Management Tools	☐	☒	☐	☐
CGPM, DHS Project/Program Management Level I Certification	☒	☒	☐	☐
Tempest, Tempest Inspector (Shore)	☐	☒	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

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 -

relieved for cause or relieved from primary duties in C4I billet. OSC will expire if 8 years pass since last C4I coded billet (not including DUINS) unless: you earn 1 of the comps below, AND you served/currently serve in a 2nd C4I tour, AND you meet edu (in lieu of) reqs below.

Must remain current in, or must complete refresher training, or additional items as applicable, in the following	Competency	Training	Education	License
*ISM-SPM, Software Project Management	☒	☐	☐	☐
*ISM-SRM, Software Requirements Management	☒	☐	☐	☐
*C4-RNS, Radio Navigation Systems Engineering	☒	☐	☐	☐
*ISM-SDM, Software Systems Design Maintenance	☒	☐	☐	☐
*C4-DS, Digital Systems	☒	☐	☐	☐
	☐	☐	☐	☐
MS; C4 field, Electrical/Electronics Engineering, Computer Eng,	☐	☐	☒	☐
Systems Eng, or related degree	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Notes:

* Must obtain one of the 5 competencies listed to maintain designation.
- In lieu of MS; 9 years exp in C4IT billets, or DCE w/ 9 years C4IT exp in/outside of the CG
- LOG-201/202, DAU Acquisition Logistics Fundamentals Part A&B (preferred not required)
- SYS-202/203, DAU Intermediate Sys Planning, Research, Dvlpmnt & Engineering (pref. not req.)
- CGIT2, DHS Information Technology Level II Certification (preferred not required)
- CGPM2, DHS Project/Program Management Level II Certification (preferred not required)

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

11. Specialty Manager *(SM)* / Sponsor Program	12. SM Phone Number	13. SM Email Address
LCDR Mark Patton/DCMS-81	(202)475-5751	Mark.B.Patton@uscg.mil

SECTION V Appropriate Approval Authority

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

Mark B. Patton, C4IT Officer Specialty Manager, LCDR

15. Signature	16. Date
PATTON.MARK.B.1187673000 Digitally signed by PATTON.MARK.B.1187673000 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USCG, cn=PATTON.MARK.B.1187673000 Date: 2014.09.09 11:14:25 -04'00'	09/09/2014

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: 2014.09.15 14:50:51 -04'00'	09/15/2014