

FY22-24 CORE SKILL REQUIREMENTS (CSRs)
Applied Physics of Combat Systems
Subspecialty Code 57XX
Curriculum 533

Billet subspecialty coding is to be based on the minimum education/training/experience level required for optimum performance. Combat Systems/57XX subspecialty coding is justified when, in addition to the general criteria stated in NAVPERS 15839 series (Manual of Navy Officer Manpower and Personnel Classification) Part B, the following specific criteria are satisfied:

1. Description of CSR Competencies. The Engineering and Technology (Combat Systems) subspecialty code (5700) will provide a command with an officer possessing a broad-based advanced technical education applicable to Combat Systems, with a concentration in one or more of the following disciplines: sensors, weapons, acoustics, software design, robotics, or an engineering area related to Combat Systems. Specific capabilities/requirements generally include:

a. **CSR-1:** The ability to identify, formulate, and solve engineering and/or technical problems, including competence in research, design, development, procurement, operation and or maintenance in scientific and/or technical engineering fields. This would include the ability to prepare technical and/or operational briefings, project plans, and reports.

b. **CSR-2:** The ability to understand the impact of combat systems and engineering and/or technical solutions in a global context, and interact with personnel from industry, laboratories, academic institutions and/or other services regarding combat system design, maintenance, and operation.

c. **CSR-3:** The ability to use techniques, skills, and modern engineering tools for combat systems, including the ability to analyze and interpret data, and develop policy and procedures through the entire spectrum of operation for platform combat systems.

d. **CSR-4:** The ability to apply knowledge acquired in academic disciplines specifically to the design, procurement, maintenance and operation of ships, boats and craft.

Enclosure (2)

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2. Applicable Officer Designators:
 111X / 112X / 113X/ 114X / 13XX / 14XX

3. Applicable Billet Designator:
 111X / 112X / 113X/ 114X / 13XX / 14XX

4. Educational and Significant Experience Criteria: Coded billets are authorized when the functions of the billet include the CSR competencies listed above (in paragraph 1). For additional clarification regarding definition of suffixes, refer to NAVPERS 15839I, Vol 1.

a. Subspecialty Code Suffixes Authorized:

570X Subspecialty Code Suffixes Authorized				
Billet	Officer	Suffix	Definition	Notes
X	X	C	Proven Doctor of Philosophy	1a
X	X	D	Doctor of Philosophy	1
	X	G	Master's Degree that does not meet all ESRs	2
X		H	Master's Degree desired, not required	3
	X	I	Immediate Graduate Education Program (IGEP)	4
	X	L	Certificate degree at Master's level	8
		M	Proven Post Master's Degree graduate education	5
		N	Post Master's Degree graduate education	5
X	X	P	Master's Degree in approved Navy subspecialty	6
X	X	Q	Proven Master's Degree	6a
X	X	R	Proven Significant Experience	7a
X	X	S	Significant Experience obtained through OJT	7

Note 1: D-coded billets are authorized when the billet's primary duties require expertise in Combat Systems where a doctorate level of knowledge is essential for optimum performance, including conception, implementation, appraisal, or management of complex Navy and/or DoD programs. D-coded officers are authorized when they complete all of the Applied Physics of Combat Systems (533) curriculum ESRs, and the officer is awarded an approved Doctorate degree associated with the Applied Physics of Combat Systems (533) curriculum.

Note 1a: C-coded billets are authorized when the billet's primary duties require expertise in Combat Systems where a doctorate level of knowledge is essential for optimum performance, including conception, implementation, appraisal, or management of complex Navy and/or DoD programs; and professional experience and proven performance are required. A D-coded officer can be upgraded to a C-coded officer when they have completed at least 18 months in a D coded billet. Officer must have a D code prior to C coded tour.

Note 2: G-coded officers are authorized when an officer has completed a master's degree in a Combat Systems related field, but has not satisfied one or more ESR and/or a thesis. F-coded officers are not authorized.

Note 3: H-coded billets are justified when Engineering and Technology (5XXX) billets requiring expertise in Combat Systems where a master's level of knowledge is desirable but not essential for optimum performance.

Note 4: I-coded officers are authorized when an officer completes a Master's degree awarded through the Intermediate Graduate Education Program (IGEP) at an approved institution, and they do not fully meet P-code requirements. Officer will maintain I code even after tour in an S, R, P, Q, H coded billet.

Note 5: N-coded and M-coded billets and officers are not authorized.

Note 6: P-coded billets are authorized when the billet's primary duties require expertise in Combat Systems where a master's level of knowledge is essential for optimum performance, including conception, implementation, appraisal, or management of complex Navy and/or DoD programs. P-coded officers are authorized when they complete all of the Applied Physics of Combat Systems (533) curriculum ESRs, and is awarded an approved master's degree associated with the curriculum. If a thesis is not completed, the officer will receive the F Subspecialty Code. (NOTE: When thesis is completed, the student must apply to the NPS registrar for a new transcript which should be forwarded to PERS-451 to update the Officer Master File.)

Note 6a: Q-coded billets are authorized when the billet requires all the requirements of the P-code, and professional experience and proven performance are required. Q-coded officers are authorized when they have a P-code and then complete at least 18-months in a master's degree coded billet or higher (P, Q, C, D). G-coded officers cannot obtain Q-codes.

Note 7: S-coded billets are authorized when the specific capabilities and requirements of paragraph 1.a. and 1.b. listed above are desired/required. S-coded officers are authorized when the officer has filled an S, R, Q, or P-coded billet for more than 18 months AND have no Subspecialty code in this field.

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Their FITREP must justify that they have accomplished the tasks indicated above for more than 18 continuous months.

Note 7a: R-coded billets are authorized when, the specific capabilities and requirements of paragraph 1.a. through 1.d. listed above are desired/required. R-coded officers are authorized when the officer has filled a S, R, Q, or P-coded billet for more than 18 months AND have the 57XXS Subspecialty code. Their FITREP must justify that they have accomplished tasks indicated above for more than 18 continuous months.

Note 8: L-coded officers are authorized when they complete all of the Applied Physics of Combat Systems (235) certificate courses, is awarded an approved certificate associated with the curriculum AND have no Subspecialty code in this field.

5. Curriculum Sponsor and Subject Matter Experts:

Curriculum Sponsor: RDML Seiko Okano, Program Executive Officer, Integrated Warfare Systems (PEO IWS)

Subject Matter Expert: CDR Brian Curran, PhD, US National Deputy, NATO SEASPARROW Missile System Project, brain.curran@natoseasparrow.org.

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APPROVED:

Curriculum Sponsor, PEO IWS

[DATE]



APPROVED:

Director, OPNAV N71

07Aug2024

[DATE]

Enclosure (2)

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