BLUEPRINT TO MARINER

U.S. Coast Guard Licensure Process – and – Available Funding Processes

This Blueprint to Mariner provides a guide to USCG licensure and a detailed guide for Navy personnel (active duty & reserve) to seek funding for USCG licensure (i.e. via Navy COOL or GI Bill)

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This document was developed jointly between the U.S. Navy's Credentials Program Office/Navy COOL, the U.S. Coast Guard's MK Rating Force Master Chief, and the U.S. Army Transportation School Maritime & Intermodal Training Department

The United States is a sea-going Nation that is dependent upon a sea-going economy. The United States Navy is a principle instrument of our Nation's power and serves to ensure the merchant fleet has open and safe access to trading ports. Thus, the naval ships and the Navy's workforce are national assets. Similarly, the U.S. flagged merchant fleet and U.S. Merchant Mariners are also national assets.

The purpose of the guide is to introduce you to a process that will allow you to capitalize on your training and experience as you transition from the Navy into the Merchant fleet. It is not intended to supplant guidance from the National Maritime Center (NMC).

Merchant Mariner credentials are issued by the Federal Government via the National Maritime Center (NMC). It is important to understand that the requirements are established in law and NMC cannot grant test approval unless the applicant meets the written standards. In a general sense, there are two merchant fleets; national credentialed and international endorsed. National endorsements can be used for positions including passenger for hire vessels, charter boats, offshore supply vessels, tow boats and domestic operations. The international endorsements are referenced as meeting the Standards of Training, Certification, and Watchkeeping for Seafarers (STCW). STCW endorsements grant greater employment flexibility and are highly desired by employers working with large cargo vessels, international tows, tankers, and cruise ships. Small and large vessels are used in both areas of operation so the "best" choice will depend on your personal goals and where you want to work. This will require you to conduct a bit of research so you can tailor your request to the job's requirement.

The Military-to-Mariner challenge is demonstrating that a military member's experience and training meet the standards required for a mariner credential. If your military record is incomplete and does not show adequate position responsibilities, the assessor at NMC will not have the ability to authorize as high a test (national position) as would be possible with a complete record. One method to ensure you receive maximum credit for their training is to map the record to the STCW assessment that correlates to the national position. The requirements are on NMC's website which includes sea-time responsibilities and general requirements. It is important to note that increasing credentialing grades requires experience in positional responsibilities. That mean you can earn your credential, complete another Navy sea-tour and upgrade you credential. Similar to USMAP, you complete requirements by the very nature of your military tasking. However, waiting until you are ready to transition could significantly limit your level of credential.

The merchant fleet can be excellent place to earn a good family wage. The best of luck in your efforts.

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What’s In It for You?

A Career

In short, maritime jobs are anything that involves boats and the water. People drive tugboats, ferries, and fishing boats; fix and manufacture boats; install electrical, refrigeration, and mechanical systems; load and unload cargo and passengers; and various other tasks. There is a huge variety of well-paid jobs in the maritime field, and great prospects for employment in the Puget Sound. There are opportunities both on land and at sea, training programs that will pay their students to learn, and maritime academies that offer free tuition and guaranteed first jobs. There are also jobs that require little to no training and experience.

Many fascinating careers are available in the maritime industry which offers:

- Extensive travel and adventure
- Responsibility
- Excellent pay and benefits

Mariners typically belong to one of these shipboard departments:

- Deck—navigation, cargo handling, and management
- Engineering—propulsion, maintenance and management
- Steward/hotel—food services, sanitation, and accommodations

Some vessels will also have a “Supply Department” which is typically a combination of the stewards department and those crewmembers who perform storekeeping duties. Additionally some vessels carry communications and/or medical personnel.

- Almost anyone can find a job in the maritime industry by:
- Contacting a maritime company or union
- Contacting a maritime crewing agency
- Attending a maritime technical training school
- Attending a maritime academy or college to become a licensed officer

The U.S. merchant marine consists of privately-owned, U.S. registered merchant ships and a variety of towing, offshore supply, and passenger vessels which provide waterborne transportation for passengers and cargoes moving in domestic and international commerce. Employment on these vessels is the responsibility of the owners and is handled by maritime labor organizations or through direct employment by the company.

Part-time or summer employment is available in some sectors of the maritime industry such as the passenger vessel industry. The level of seafaring employment is determined by the state of U.S. and world business conditions, and improvements in ship technology.

Primary shipboard employment categories include deep sea, Great Lakes, towing and barges, inland and coastal waters, passenger vessels, and offshore and mineral operations.

Other areas of employment in the maritime industry include shipbuilding and repair, longshoring (cargo handling), port terminal administration, and intermodal logistics.

Why Maritime? Seven Good Reasons

1. Good pay. Maritime workers enjoy competitive wages and benefits.

2. Growing job market. Thanks to increasing international trade, maritime employment is expected to grow.

3. An aging workforce. The maritime industry will need workers to replace those who are nearing retirement. For example, in 2009, the average age of all chief marine engineers was 50.

4. Great career flexibility. Maritime offers such diversity that you can change careers many times and still stay in the same industry.

5. Challenging, hands-on work. Mariners get to learn and use the latest technology, with numerous opportunities for on-the-job training.

6. Quick advancement for quick learners. Maritime employers often promote current workers.

7. See the world. Few jobs offer more adventure than jobs at sea.

Opportunities – On Sea and On Shore

- International cargo shipping
- Shipbuilding and repair
- Tugboat towing
- Fishing vessels
- Ferries
- Cruise ships
- Offshore operations

For information on employment in these areas, please visit the Maritime Administration's website at http://www.marad.dot.gov

Snapshot Guides

Navy COOL 4-Step Process

Step 1 - Find & Select Related Credentials

Use COOL's Find feature to see how your Navy training and experience matches up with civilian credential requirements. It's easy to use and you can search in lots of different ways: by rating, designator, and collateral duties or out-of-rate assignments.

Often there are lots of credentials out there related to your Navy training and experience so it's important that you research them carefully and consider the following:

- Experience & Background
- Timing
- Credential Eligibility

Step 2 – Complete Voucher and Apply

Once you have selected a credential and confirmed your eligibility for that credential, you're ready to complete your voucher and apply for the credential you need.

To be ready to complete your voucher and apply to receive funding, you must:

- Check your voucher eligibility Request a voucher
- Get the voucher

Step 3 - Register & Take Exam – Get Credential

Once your credential is funded by Navy COOL, it's time to register & take the exam (or complete other actions (i.e. application or finalize annual maintenance fees).

Step 4 – Report Results to Navy COOL

Once you've taken the appropriate exams or have met requirements for recertification, you are ready to report your results to COOL and other agencies, whether you passed or failed.

When you've completed your credential exam, taken a test, or met recertification requirements, you must provide the results to the following groups, regardless of whether you Passed or Failed!

Navy COOL 4-Step Process

1 Step 1 – Find & Select Related Credentials

2 Step 2 - Complete Voucher and Apply

3 Step 3 – Register & Take Exam - Get Credential

4 Step 4 - Report Results to Navy COOL

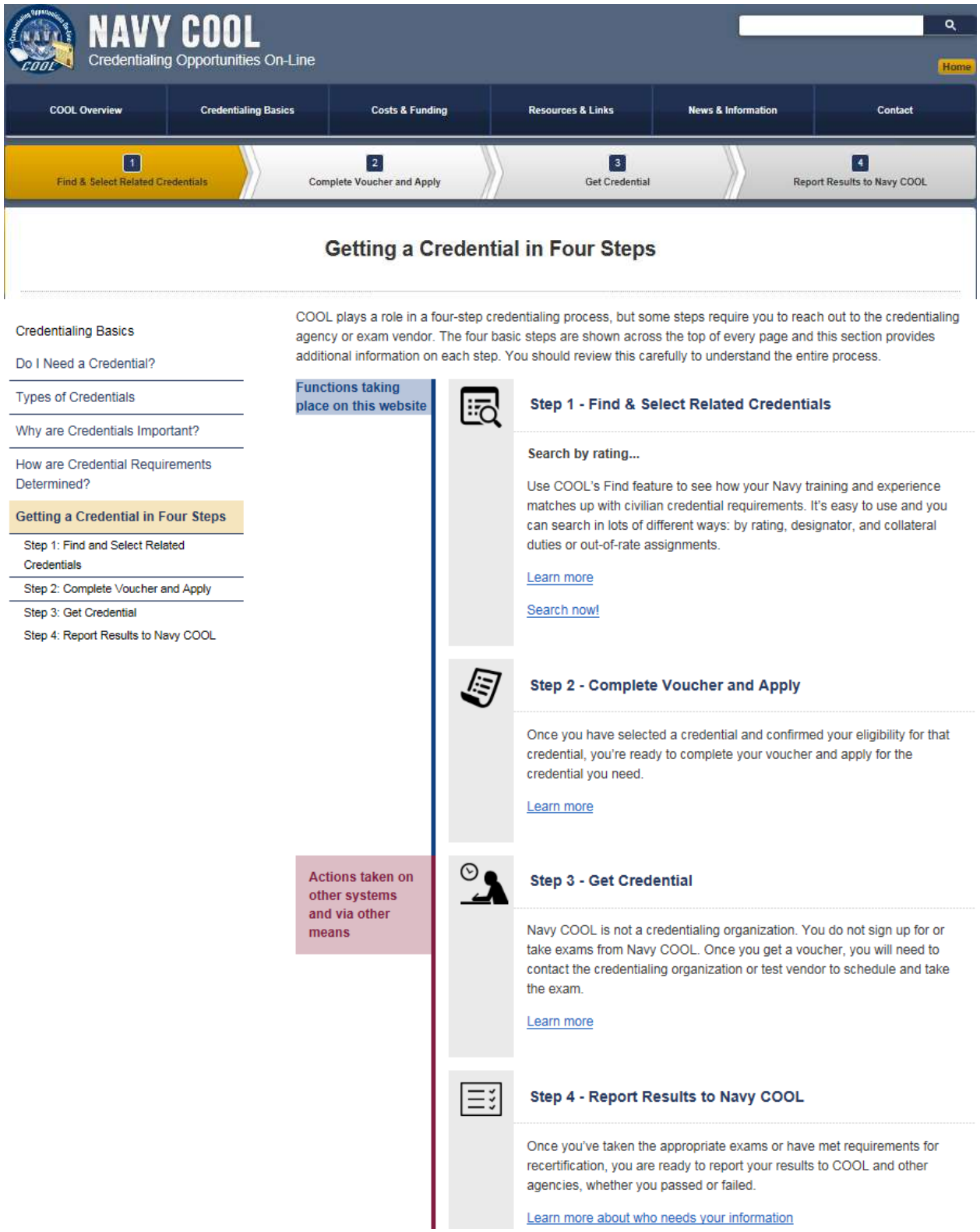
Navy COOL 4-Step Process

1 Step 1 – Find & Select Related Credentials

2 Step 2 - Complete Voucher and Apply

3 Step 3 – Register & Take Exam - Get Credential

4 Step 4 - Report Results to Navy COOL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Step 1: Find and Select Related Credentials
Step 2: Complete Voucher and Apply
Step 3: Get Credential
Step 4: Report Results to Navy COOL
COOL plays a role in a four-step credentialing process, but some steps require you to reach out to the credentialing agency or exam vendor. The four basic steps are shown across the top of every page and this section provides additional information on each step. You should review this carefully to understand the entire process.
Functions taking place on this website
Step 1 - Find & Select Related Credentials
Search by rating...
Use COOL's Find feature to see how your Navy training and experience matches up with civilian credential requirements. It's easy to use and you can search in lots of different ways: by rating, designator, and collateral duties or out-of-rate assignments.
Learn more
Search now!
Step 2 - Complete Voucher and Apply
Once you have selected a credential and confirmed your eligibility for that credential, you're ready to complete your voucher and apply for the credential you need.
Learn more
Actions taken on other systems and via other means
Step 3 - Get Credential
Navy COOL is not a credentialing organization. You do not sign up for or take exams from Navy COOL. Once you get a voucher, you will need to contact the credentialing organization or test vendor to schedule and take the exam.
Learn more
Step 4 - Report Results to Navy COOL
Once you've taken the appropriate exams or have met requirements for recertification, you are ready to report your results to COOL and other agencies, whether you passed or failed.
Learn more about who needs your information

NMC 6-Step Process

http://www.uscg.mil/nmc/credentials/default.asp

Step 1 – Member Obtains a TWIC
Step 2 – Submit Application
Step 3 – In Transit
Step 4 – Application Reviewed
Step 5 – Credential Printed
Step 6 – Credential Mailed

TWIC 5-Step Process

The Transportation Worker Identification Credential (or TWIC) program is a Transportation Security Administration and U.S. Coast Guard initiative in the United States. The TWIC program provides a tamper-resistant biometric credential to maritime workers requiring unescorted access to secure areas of port facilities, outer continental shelf facilities, and vessels regulated under the Maritime Transportation Security Act of 2002, or MTSA, and all U.S. Coast Guard credentialed merchant mariners.

Step 1 – Check Eligibility

- An individual must be a U.S. citizen or fall into an eligible immigration category and cannot have been convicted of certain crimes. In addition, individuals cannot be connected to terrorist activity or lack mental capacity.

Step 2 – Pre-Enroll and Schedule an Appointment

During pre-enrollment, applicants will: Enter biographic information required for the security threat assessment. (This will require your Social Security Number, Alien Registration Number, or Visa Number)

- Make an appointment at the enrollment center
- Pre-enrollment is available

Step 3 – Gather Documents

TWIC applicants are required to provide identity verification documents to complete the enrollment process. The attached document covers U.S. citizens born within the United States, as well as U.S. citizens born abroad. Applicants are required to present acceptable documentation from this list at the time of enrollment.

Step 4 – Enroll

Applicants must visit an enrollment center where they will:

- Complete a TWIC Disclosure and Certification Form
- Pay the enrollment fee (currently $129.75)
- Provide biographic information (if applicant did not pre-enroll) and a complete set of fingerprints
- Sit for a digital photograph

Step 5 – Pick up TWIC

Applicants will be notified by email or phone, as specified during enrollment, when their TWIC is

available at the enrollment center

- Applicants must return to the center at which they enrolled to pick up their TWIC (unless they specify another enrollment center at the time of enrollment)
- TWICs will be issued to workers 6 – 8 weeks after enrollment
- Applicants can check the status of their card and schedule a pick-up appointment

MMD 7-Step Process

An entry-level Merchant Mariner's Document (MMD), previously called a Z-Card, allows a mariner to work on the deck as an Ordinary Seamen (OS), in the engine department as a Wiper, or in the steward's department as a Food Handler (FH). With experience and testing, qualified ratings such as Able Seaman (AB) or Qualified Member of the Engine Department (QMED) can be obtained.

Step 1 – Apply for a TWIC Card

The first item in the MMC application is proving that you either hold a valid TWIC (photocopy of TWIC) or have applied for a TWIC (TWIC application receipt). So make sure to apply for a TWIC Card first!

Step 2 – Check Eligibility

With few exceptions you must be a United States citizen in order to obtain a Mariner Credential.

- Depending on the endorsement(s) you are applying for, the minimum age can range from 16 (with parental consent) to 21. If you are between the age of 16 and 18, then you must present a notarized statement of consent from a parent or legal guardian providing written permission for you to go to sea.

Step 3 – Get a Physical

In order to obtain an MMC you must pass a physical exam. Have your Doctor complete CG-719K or CG-719K/E. Medical forms can be downloaded.

- Make sure your application is complete and error-free – forms with missing information will incur delays.
- Certain medical conditions may delay your application or even cause it to be denied.

Step 4 – Complete a Drug Test

In order to obtain an MMC you must complete a DOT 5 Panel Drug Test (CG-719P) from a certified lab or be enrolled in and Approved Drug Testing Program.

- A listing of approved laboratories is available online at www.drugfreeworkplace.gov. When the main page comes on screen click on "Drug Testing" and then click on "Certified Labs". By contacting one of these labs they will direct you to the collection

facility that is nearest to your location.

Step 5 – Pay User Fees

Mariners are encouraged to pay user fees on-line using https://www.pay.gov. The Coast Guard is currently working with the U. S. Department of the Treasury to update this system to reflect the new MMC fee schedule. A copy of your payment receipt should be included with your application, so make sure to print it out.

Step 6 – Assemble Application Packet

Complete form CG Form 719B Application. If you are applying for an entry-level position, make sure to indicate that in the application.

- Gather all of your documents.

Step 7 – Visit a Regional Examination Center (REC)

Contact the nearest REC and speak to an evaluator!

Missions

Mission of the U.S. Navy

The mission of the U.S. Navy (USN) is to maintain, train and equip combat-ready Naval forces capable of winning wars, deterring aggression and maintaining freedom of the seas.

Mission of the U.S. Coast Guard

The mission of the U.S. Coast Guard (USCG) is to protect the public, the environment, and U.S. economic interests — in the nation's ports and waterways, along the coast, on international waters, or in any maritime region as required to support national security.

Mission of the Maritime Administration

The mission of the Maritime Administration (MARAD) is to promote the development and maintenance of an adequate, well-balanced United States merchant marine, sufficient to carry the Nation's domestic waterborne commerce and a substantial portion of its waterborne foreign commerce, and capable of serving as a naval and military auxiliary in time of war or national emergency.

Mission of the National Maritime Center

The mission of the National Maritime Center (NMC) is to issue credentials to mariners who are fully compliant with current regulations in the most effective and efficient manner possible.

Mission of the Navy's Credentials Program Office

The mission of the Navy's Credentials Program Office is to provide information funding source for eligible Sailors wishing to attain industry certifications/licenses that correspond with Navy ratings.

Mission of the Navy Credentialing Opportunities On-Line Website

The mission of the Navy COOL website is to help Navy Service members find information on certifications and licenses related to their jobs. Sailors can use Navy COOL to get background information on credentialing and find detailed information on:

- Credentials related to a Navy rating, collateral-duty/out of rate assignment, or designator
- Credential requirements and potential gaps between Navy training and civilian credentialing requirements
- Resources available to fill gaps between military training and civilian credentialing requirements
- How to get a COOL funded voucher to pay for credential exam and maintenance fees…or find alternative funding resources (i.e. VA's GI Bill) for credential exam and maintenance fees

Awareness

Awareness of USCG Licensure and Mariner Occupations Available to U.S. Navy Sailors

This section displays the U.S. Navy Enlisted Ratings, Enlisted Collateral Duties/Out-of-Rating Assignments, and Officer Designators have USCG Licenses mapped to them. These U.S. Navy occupations have also been mapped to Maritime/Mariner/Merchant Marine occupations.

[**NOTE 1:** Though the U.S. Navy has over 100 Enlisted and Officer occupations, not all are eligible for, or compatible with, USCG licenses or Mariner occupations (i.e. Aviation, Cryptology, Intelligence, Seabees, etc…). Most Enlisted and Officer occupations do not receive compatible training, experience, duty assignments, and sea time.]

[**NOTE 2:** Though there are several U.S. Navy Enlisted Ratings or Officer Designators mapped to USCG licenses and Mariner occupations…not all Sailors in these Enlisted Ratings or Officer Designators will meet USCG licensing requirements/eligibility. Not all Sailors in these Enlisted Ratings or Officer Designators go to sea, or accumulate enough requisite sea time & recency of sea time, or have met the training requirements, etc… USCG license eligibility must be assessed, case-by-case, based on the individual's unique training, experience, duty assignments, and in-service opportunities.]

For more information on the U.S. Navy Enlisted Ratings, Enlisted Collateral Duties/Out-of-Rating Assignments, and Officer Designators that have USCG Licenses and Mariner occupations mapped to them, visit to the Navy COOL website: https://www.cool.navy.mil/usn.

Navy Enlisted Ratings Mapped to USCG Licenses and Mariner Occupations

The following U.S. Navy Enlisted Ratings have USCG Licenses and Mariner Occupations mapped to them:

- BM-Boatswain's Mate
- CS-Culinary Specialist
- DC-Damage Controlman
- EM-Electrician's Mate
- GM-Gunner's Mate
- GSE-Gas Turbine System Technician Electrical
- GSM-Gas Turbine System Technician Mechanical
- HM-Hospital Corpsman
- HT-Hull Maintenance Technician
- LS-Logistics Specialist

- MA-Master-At-Arms

- MM-Machinist's Mate
- MR-Machinery Repairman
- OS-Operations Specialist
- PS-Personnel Specialist
- QM-Quartermaster

Navy Enlisted Collateral Duties/Out-of-Rating Assignments Mapped to USCG Licenses and Mariner Occupations

The following U.S. Navy Enlisted Collateral Duties/Out-of-Rating assignments have USCG Licenses and Mariner Occupations mapped to them:

- 100 Ton Craftmaster
- LCAC – Landing Craft Air Cushion Crew Member
- LCS – Littoral Combat Ship

Navy Officer Designators Mapped to USCG Licenses and Mariner Occupations

The following U.S. Navy Officer Designators have USCG Licenses and Mariner Occupations mapped to them:

- 111X – Surface Warfare URL
- 144X – Engineering Duty Officer-Ship Engineering
- 166X – Strategic Sealift Officer
- 310X – Supply Officer
- 611X – Deck LDO
- 612X – Operations (Surface) LDO
- 613X – Engineering/Repair (Surface) LDO
- 623X – Engineering/Repair Specialty LDO
- 651X – Supply Corps LDO
- 711X – Boatswain (Surface) CWO
- 712X – Operations Technician (Surface) CWO
- 713X – Engineering Technician (Surface) CWO
- 717X – Special Warfare Combatant Craft Technician CWO
- 741X – Ship's Clerk CWO
- 751X – Supply Corps Warrant CWO

U.S. Coast Guard Licenses Supported on Navy COOL

The following U.S. Coast Guard Licenses are supported on Navy COOL. Those USCG Licenses displayed with the [NAVY $] may be funded for eligible U.S. Navy enlisted personnel (active duty & reserves):

Credential	Agency	Navy$
Chief Engineer (OSV) – Near Coastal Domestic License	United States Coast Guard (USCG)	
Chief Engineer (Unlimited)License	United States Coast Guard (USCG)	
Master Inland/Mate Near Coastal License	United States Coast Guard (USCG)	**[Navy $]**
Master Near Coastal License	United States Coast Guard (USCG)	**[Navy $]**
Master of 100 GRT-Limited License	United States Coast Guard (USCG)	**[Navy $]**
Master of Towing Vessels-Limited License	United States Coast Guard (USCG)	**[Navy $]**
National 1st Assistant Engineer Steam/Motor/GT License	United States Coast Guard (USCG)	
National 2nd Assistant Engineer Steam/Motor/GT License	United States Coast Guard (USCG)	
National 2nd Mate Unlimited OC or NC License	United States Coast Guard (USCG)	**[Navy $]**
National 3rd Assistant Engineer Steam/Motor/GT License	United States Coast Guard (USCG)	
National 3rd Mate Unlimited OC or NC License	United States Coast Guard (USCG)	**[Navy $]**
National Able Seaman (A/B)License	United States Coast Guard (USCG)	**[Navy $]**
National Assistant Engineer (OSV)License	United States Coast Guard (USCG)	
National Ballast Control Operator (BCO)License	United States Coast Guard (USCG)	**[Navy $]**
National Barge Supervisor License	United States Coast Guard (USCG)	**[Navy $]**
National Chief Engineer (Limited) Steam/Motor/License	United States Coast Guard (USCG)	
National Chief Engineer Steam/Motor/GT License	United States Coast Guard (USCG)	
National Chief Engineer/Assistant Engineer UFIV License	United States Coast Guard (USCG)	
National Chief Engineer License	United States Coast Guard (USCG)	
National Chief Mate Unlimited OC or NC License	United States Coast Guard (USCG)	**[Navy $]**
National Designated Duty Engineer Steam/Motor/GT License	United States Coast Guard (USCG)	
National First Class Pilot License	United States Coast Guard (USCG)	**[Navy $]**
National Lifeboatman and Lifeboatman-Limited License	United States Coast Guard (USCG)	**[Navy $]**
National Limited Master 100/Limited OUPV License	United States Coast Guard (USCG)	**[Navy $]**
National Master 200 GL and Inland License	United States Coast Guard (USCG)	**[Navy $]**
National Master 200 NC License	United States Coast Guard (USCG)	**[Navy $]**
National Master 500/1600 GL and Inland License	United States Coast Guard (USCG)	**[Navy $]**
National Master of Unlimited GL and Inland License	United States Coast Guard (USCG)	**[Navy $]**
National Master of Unlimited OC or NC License	United States Coast Guard (USCG)	**[Navy $]**
National Mate 200 GL and Inland License	United States Coast Guard (USCG)	**[Navy $]**
National Mate 500/1600 GL and Inland License	United States Coast Guard (USCG)	**[Navy $]**
National Mate 500/1600 NC License	United States Coast Guard (USCG)	**[Navy $]**
National Mate 500/1600 OC License	United States Coast Guard (USCG)	**[Navy $]**
National Mate Unlimited GL and Inland License	United States Coast Guard (USCG)	**[Navy $]**
National QMED: Electrician/Refrigerating Engineer License	United States Coast Guard (USCG)	**[Navy $]**
National QMED: Oiler License	United States Coast Guard (USCG)	**[Navy $]**

Maritime/Mariner/Merchant Marine Occupations Mapped on Navy COOL

A wide range of Mariner-related job opportunities are available within the private, public, and Federal sectors. More information about these opportunities can be found on the Navy COOL website: https://www.cool.navy.mil/usn.

Dept. of Labor (DOL) Related Occupations

These Navy occupations are related to these occupations. However these may require additional education, training or experience. Not all DOL Occupations map to every Navy occupation.

Administrative Services Managers
Billing, Cost, and Rate Clerks
Boilermakers
Bookkeeping, Accounting, and Auditing Clerks
Cargo and Freight Agents
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Electric Motor, Power Tool, and Related Repairers
Electrical and Electronic Equipment Assemblers
Electrical and Electronics Installers and Repairers, Transportation Equipment
Electrical and Electronics Repairers, Commercial and Industrial Equipment
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
Electrical Engineering Technicians
Electrical Engineers
Electrical Power-Line Installers and Repairers
Electricians
Electronic Equipment Installers and Repairers, Motor Vehicles
Electronics Engineering Technicians
Engine and Other Machine Assemblers
File Clerks
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators
Freight and Cargo Inspectors
Freight Forwarders
Gas Compressor and Gas Pumping Station Operators

Grinding, Lapping, Polishing, & Buffing Machine Tool Setters, Operators, and Tenders, Metal & Plastic
Hazardous Materials Removal Workers
Helpers–Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Laborers and Freight, Stock, and Material Movers, Hand
Logistics Managers
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Marine Engineers
Mates- Ship, Boat, and Barge
Mobile Heavy Equipment Mechanics, Except Engines
Motorboat Operators
Office Clerks, General
Payroll and Timekeeping Clerks
Pilots, Ship
Pipe Fitters and Steamfitters
Pipelayers
Plumbers
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Radio Operators
Refrigeration Mechanics and Installers
Riggers
Sailors and Marine Oilers
Security Guards
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Sheet Metal Workers
Ship Engineers
Shipping, Receiving, and Traffic Clerks
Solderers and Brazers
Stationary Engineers and Boiler Operators
Stock Clerks- Stockroom, Warehouse, or Storage Yard
Storage and Distribution Managers
Structural Metal Fabricators and Fitters
Transportation Managers
Water and Wastewater Treatment Plant and System Operators
Weighers, Measurers, Checkers, and Samplers, Recordkeeping
Welders, Cutters, and Welder Fitters
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders

Federal Related Occupations

These Navy occupations are related to these occupations. However these may require additional education, training or experience. Not all DOL Occupations map to every Navy occupation.

0080 – Security Administration Series
0085 – Security Guard Series
0341 – Administrative Officer Series
0344 – Management and Program Clerical and Assistance Series
0346 – Logistics Management Series
0510 – Accounting Series
0525 – Accounting Technician Series
0530 – Cash Processing Series
0561 – Budget Clerical and Assistance Series
0801 – General Engineering Series
0802 – Engineering Technical Series
0803 – Safety Engineering Series
0804 – Fire Protection Engineering Series
0830 – Mechanical Engineering Series
0850 – Electrical Engineering Series
0855 – Electronics Engineering Series
0856 – Electronics Technical Series
1106 – Procurement Clerical and Technician Series
1361 – Navigational Information Series
1801 – General Inspection, Investigation, Enforcement, and Compliance Series
1802 – Compliance Inspection and Support Series
2001 – General Supply Series
2003 – Supply Program Management Series
2005 – Supply Clerical and Technician Series
2010 – Inventory Management Series
2030 – Distribution Facilities and Storage Management Series
2101 – Transportation Specialist Series
2102 – Transportation Clerk and Assistant Series
2110 – Transportation Industry Analysis Series
2130 – Traffic Management Series
2144 – Cargo Scheduling Series
2150 – Transportation Operations Series
2151 – Dispatching Series
2161 – Marine Cargo Series
2606 – Electronic Industrial Controls Mechanic
2608 – Electronic Digital Computer Mechanic

2610 – Electronic Integrated Systems Mechanic
2805 – Electrician
2854 – Electrical Equipment Repairing
3414 – Machining
3416 – Toolmaking
3703 – Welding
3705 – Nondestructive Testing
3712 – Heat Treating
3806 – Sheet Metal Mechanic
3820 – Shipfitting
4204 – Pipefitting
4206 – Plumbing
4602 – Blocking and Bracing
4717 – Boat Building and Repairing
4749 – Maintenance Mechanic
4816 – Protective and Safety Equipment Fabricating and Repairing
4850 – Bearing Reconditioning
5210 – Rigging
5220 – Shipwright
5306 – Air Conditioning Equipment Mechanic
5318 – Lock and Dam Repairing
5334 – Marine Machinery Mechanic
5350 – Production Machinery Mechanic
5402 – Boiler Plant Operating
5407 – Electric Power Controlling
5413 – Fuel Distribution System Operating
5415 – Air Conditioning Equipment Operating
5419 – Stationary-Engine Operating
5782 – Ship Operating
5784 – Riverboat Operating
5786 – Small Craft Operating
5788 – Deckhand
6907 – Materials Handling
6910 – Materials Expediting
6912 – Materials Examining and Identifying
6914 – Store Working
7006 – Preservation Servicing
8255 – Pneudraulic Systems Mechanic
9904 – Ship Pilot
9908 – Ship's Communication Officer
9915 – Assistant Damage Control Officer
9917 – Deck Midshipman
9918 – Damage Control Leader

9919 – Damage Control Assistant Leader
9920 – Boatswain
9923 – Boatswain's Mate
9929 – Damage Controlman
9931 – Chief Engineer
9932 – First Assistant Engineer
9933 – Second Assistant Engineer
9934 – Third Assistant Engineer
9939 – Chief Electrician
9940 – Electrician
9941 – Electrician-Maintenance
9942 – Second Electrician
9943 – Third Electrician
9944 – Electronics Technician
9945 – Refrigeration Engineer
9948 – Plumber
9949 – Assistant Plumber
9950 – Plumber Machinist
9951 – Deck Engineer
9953 – Deck Engineer-Mechanic
9954 – Unlicensed Junior Engineer
9956 – Engineman
9958 – Evaporator-Utilityman
9959 – Machinist
9963 – Fireman
9964 – Fireman-Watertender
9968 – Chief Steward
9969 – Third Steward
9971 – Chief Cook
9972 – Steward Cook
9973 – Second Cook
9974 – Third Cook
9975 – Assistant Cook
9976 – Cook-Baker
9977 – Second Cook-Baker
9978 – Night Cook and Baker
9979 – Steward-Baker
9980 – Third Pantryman
9981 – Galleyman
9991 – Supply Officer
9992 – Assistant Supply Officer
9993 – Junior Supply Officer
9994 – Assistant Storekeeper

Military Sealift Command (MSC) Related Occupations

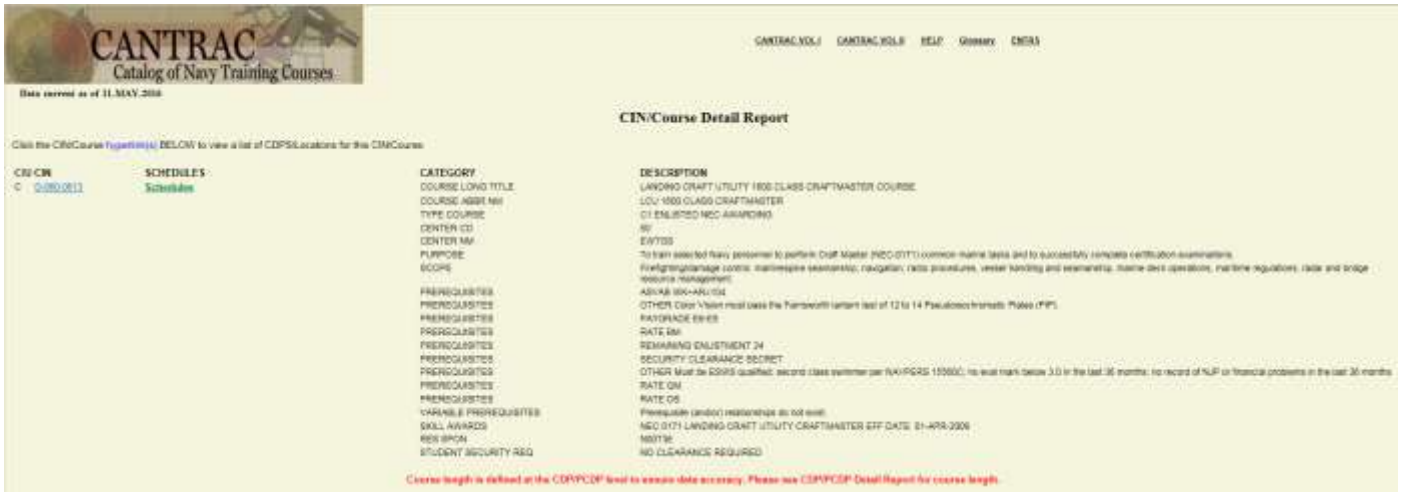
These Navy occupations are related to these occupations. However these may require additional education, training or experience. Not all DOL Occupations map to every Navy occupation.

Able Seaman
Advanced Fire Fighting
Assistant Cook
Basic Safety Training
Chief Cook
Chief Marine Engineer
Chief Steward
Cook / Baker
Deck Engineer Machinist
Engine Utilityman
Medical Services Officer
Ordinary Seaman
QMED-Oiler endorsement
Refrigeration Engineer
Second Electrician
Steward Cook
Supply Utilityman
Third Assistant Engineer
Third Officer
Unlicensed Junior Engineer
Wiper

Army Transportation School

The U.S. Army Transportation School at Ft. Eustis, VA offers a Craft Master 6-week course that may be attended by enlisted BM, OS, and QM U.S. Navy personnel from California and Little Creek VA. Navy personnel attending the course receive a Coast Guard approved endorsement – "Radar Certificate (Radar Observer (Unlimited))" that can be applied toward the civilian license.

Catalog of Navy Training Courses (CANTRAC) shows the Army course as: CIN G-060-0613 CDP 07UN, Landing Craft Utility 1600 Class Craftmaster Course; awards NEC 0171 – Landing Craft Utility Craftmaster.



Screenshot of CANTRAC

U.S. Navy Enlisted Learning and Development Roadmaps (LaDRs)

LaDRs are a vital tool that help guide enlisted Sailors throughout their career continuum, and are available for all enlisted ratings and paygrades.

USCG Licenses and Maritime/Mariner occupations are promoted within each relevant enlisted rating (those enlisted ratings that have been mapped to USCG licenses and Maritime/Mariner occupations). LaDRs are reviewed by the Sailor and their Command Career Counselor, at a minimum, annually.

LaDRs were developed by subject matter experts at the Navy Education and Training Command (NETC) learning centers and include input from the enlisted community managers at the Bureau of Naval Personnel.

LaDRs are organized around significant career phases and enables targeted learning opportunities. LaDRs are also sequenced to meet growing and changing roles throughout a career. LaDRs help Sailors map their career within the Navy, and set goals for post-service employment (i.e. Mariner jobs).

CERTIFICATIONS

The following post military occupations are similar to the BM-Boatswain's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Helpers--Installation, Maintenance, and Repair Workers
Laborers and Freight, Stock, and Material Movers, Hand
Mates- Ship, Boat, and Barge
Motorboat Operators
Municipal Fire Fighting and Prevention Supervisors
Occupational Health and Safety Technicians
Painters, Transportation Equipment
Pilots, Ship
Riggers
Sailors and Marine Oilers
Ship and Boat Captains

Occupation (Federal Employer)
0343 - Management and Program Analysis Series
0344 - Management and Program Clerical and Assistance Series
4102 - Painting
5782 - Ship Operating
5788 - Deckhand
7006 - Preservation Servicing
9917 - Deck Midshipman
9920 - Boatswain
9923 - Boatswain's Mate

Navy COOL: The following certifications and licenses are applicable to the BM-Boatswain's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E5	Board of Certified Safety Professionals (BCSP)	Associate Safety Professional (ASP)	
E5	Board of Certified Safety Professionals (BCSP)	Certified Safety Professional (CSP)	
E5	United States Coast Guard (USCG)	Master Inland/Mate Near Coastal	
E6	United States Coast Guard (USCG)	Master of 100 GRT-Limited	
E7	United States Coast Guard (USCG)	Master of Towing Vessels-Limited	
E9	United States Coast Guard (USCG)	National 2nd Mate Unlimited OC or NC	
E7	United States Coast Guard (USCG)	National 3rd Mate Unlimited OC or NC	
E4	United States Coast Guard (USCG)	National Able Seaman (A/B)	
E7	United States Coast Guard (USCG)	National Ballast Control Operator (BCO)	
E5	United States Coast Guard (USCG)	National Barge Supervisor	
E9	United States Coast Guard (USCG)	National Chief Mate Unlimited OC or NC	
E7	United States Coast Guard (USCG)	National First Class Pilot	
E3	United States Coast Guard (USCG)	National Lifeboatman and Lifeboatman-Limited	
E4	United States Coast Guard (USCG)	National Limited Master 100/Limited OUPV	
E6	United States Coast Guard (USCG)	National Master 200 GL and Inland	
E7	United States Coast Guard (USCG)	National Master 500/1600 GL and Inland	
E7	United States Coast Guard (USCG)	National Master of Unlimited GL and Inland	
E7	United States Coast Guard (USCG)	National Master of Unlimited OC or NC	
E5	United States Coast Guard (USCG)	National Mate 200 GL and Inland	
E5	United States Coast Guard (USCG)	National Mate 500/1600 GL and Inland	
E5	United States Coast Guard (USCG)	National Mate 500/1600 NC	
E5	United States Coast Guard (USCG)	National Mate Unlimited GL and Inland	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI bill.

BM - Boatswain's Mate Page 85 of 128

Example of BM-Boatswain's Mate LaDR Maritime-related occupations and credentialing page

A Call to Action

The Need

Recently, the Maritime Administration (MARAD) highlighted a looming crisis that there will not be enough qualified mariners to support military sealift in the future. We have enough mariners for short term contingency, but not enough for sustained operations. This has direct economic and national security implications.

There is a need for 74,000 mariners over the next ten years. Fewer than 9,000 officers will graduate from the sea service academies during that time.

A Call to Action

DoD

The Services have a goal to decrease gaps in training and qualification to ease the transition from Navy, Army, or Coast Guard to the maritime industry. One of the greatest challenges is the lack of information while in the military service…which is why this document was produced, and is just one of many awareness initiatives being implemented.

MARAD

MARAD actively helps veterans navigate to maritime careers; the Military to Mariner initiative helps transition and supports the mariner workforce. For Maritime Administration job vacancies, please visit: jobsearch.dot.gov/internalindex.asp

Maritime Schools

The following university or schools are Merchant Marine, Naval and Coast Guard Military, as well as Oceanographic schools. These institutions will prepare you for a career in the marine industry. Many are located in the U.S. but there are some listed from all over the world. This information should help you chose a direction for a profession in the marine industry: http://maritime.homestead.com/files/school.html

Maritime Companies

There are several companies in the marine industry that provide jobs to those with the proper educational skills. Many are located in the U.S. but there are some from all over the world. Once you chose a direction for a profession in the marine industry, you should contact a potential

employer with a resume. The following link has shipping companies, drilling companies, shipyards, classification societies and agents all with a variety of opportunities:
http://maritime.homestead.com/files/company.html

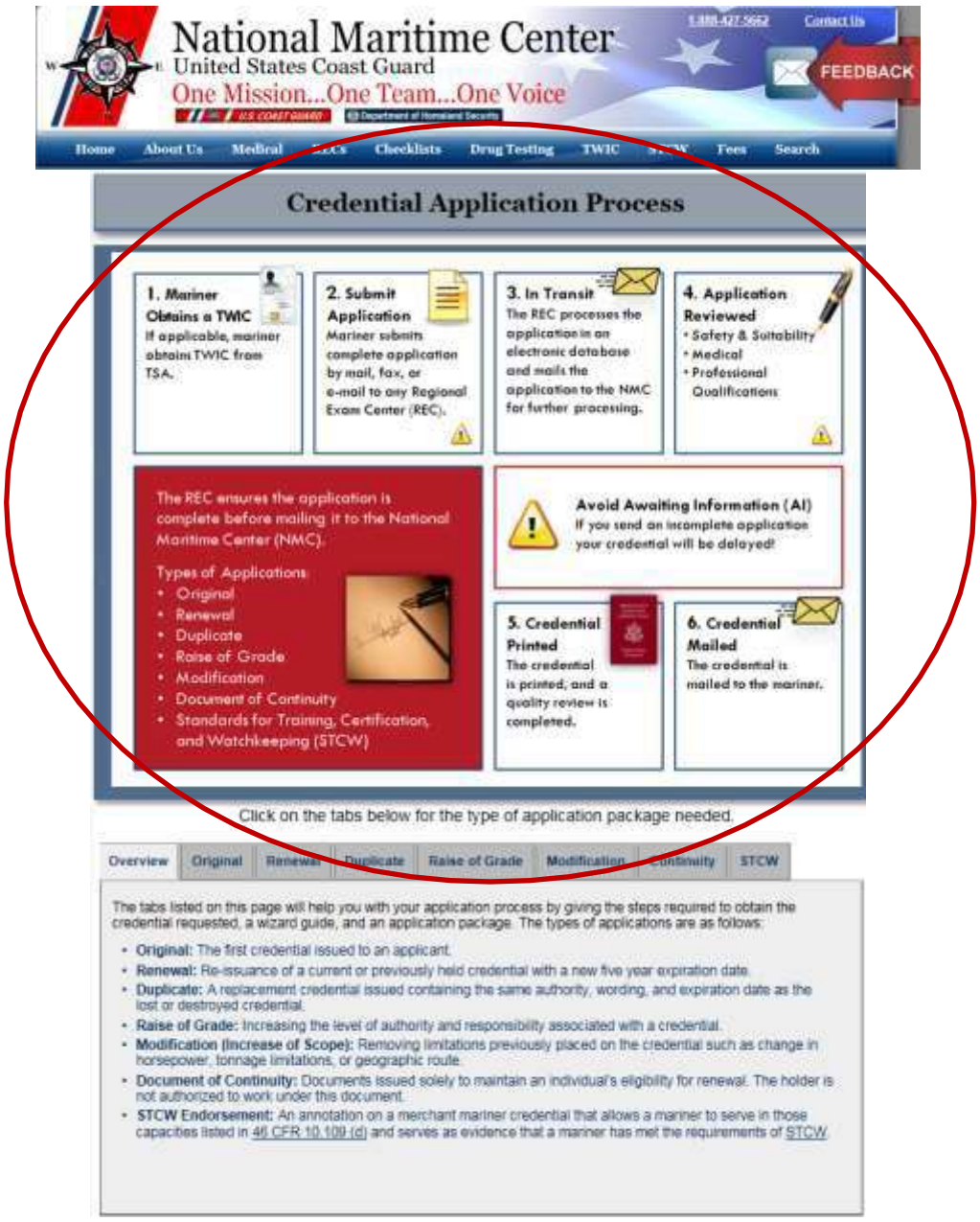
YOU…the Service Member or Veteran

You are the solution, and the call to action will have no effect if you are eligible for USCG licenses but do not earn one; or if you earn a USCG licenses but do not apply it towards post-service Mariner employment. You may have already met much of the training, experience, and sea time requirements to apply for a USCG license. Navy COOL can fund the application and exam fees for eligible Navy enlisted personnel. So, with a bit more initiative and perseverance, you can establish yourself within a great post-service career, and contribute to a National need.

NMC 6-Step Process

National Maritime Center Credentialing 6-Step Process

The National Maritime Center (NMC) website provides a comprehensive guide to the Credential Application Process. The website also has a "Live Help" button to chat with a NMC help desk representative.



6-Step Process. Ref: NMC website: https://www.uscg.mil/nmc/credentials/

Merchant Mariner Credential (MMC)

In 2009, the Coast Guard consolidated four previously issued credentials for merchant mariners (Licenses, Certificates of Registry, Merchant Mariner Documents – also known as a "Z-cards" – and STCW certificates into the Merchant Mariner Credential (MMC).

To obtain an MMC

• You must submit evidence that you hold a valid Transportation Worker Identification Credential (TWIC) (photocopy of TWIC) or that you have applied for a TWIC (TWIC application receipt). Further information on the TWIC is in the next section of this pamphlet.

• You must be at least 16 years of age. If you are less than 18 years old you must present a notarized statement of consent from a parent or guardian.

• You must report any narcotics, DWI/DUI, and other criminal convictions and agree to a National Driver Registry check. "Conviction" means that you have been found guilty by judgment or by plea and includes cases of deferred adjudication (no contest, adjudication withheld, etc.) or where the court required you to attend classes, make contribution of time or money, receive treatment, submit to any manner of probation or supervision, or forego appeal of a trial court finding. Expunged convictions must be reported unless the expungement was based upon a showing that the court's earlier conviction was in error.

• Some convictions make an applicant ineligible to receive a TWIC and, therefore, an MMC.

• Application forms can be found on the USCG National Maritime Center (MMC) website (www.uscg.mil/nmc) or may be obtained from a Regional Exam Center (REC). To find the nearest REC, visit the NMC website at: www.uscg.mil/nmc or call 1-888-I-ASK-NMC (1-888-427-5662)

• Applicants must complete a physical examination using the form which is part of the Coast Guard's application package

• Applicants must present evidence of passing a drug test.

• The MMC application package should be submitted directly to an REC. Sending the package to the NMC will cause it to be delayed while the NMC sends the package to an REC for coordination.

• Since you have legally certified your identity by applying for a TWIC, you need not visit the REC in person; you may complete all transactions by mail.

• The MMC looks and feels like a passport; however, it is NOT a substitute for a passport.

• Photographs to be used on the MMC will be electronically forwarded from the Transportation Security Administration to the Coast Guard.

• The Coast Guard is required by law to collect a user fee for the MMC evaluation and documentation process. You should visit the NMC website at www.uscg.mil/nmc to determine the current fees.

• Once your application has been submitted, you can check its status on the NMC website or by calling 1-888-I-ASK-NMC (1-888-427-5662).

• For a list of items to submit with your MMC application package, please download a copy of the MMC Application Acceptance Checklist at: www.uscg.mil/nmc

Transportation Worker Identification Credential (TWIC)

TWICs are tamper-resistant biometric credentials issued by the Department of Homeland Security's (DHS) Transportation Security Administration (TSA) to credentialed merchant mariners, port facility employees, long-shore workers, truck drivers, and others requiring unescorted access to secure areas of maritime facilities and vessels regulated by the Maritime Transportation Security Act (MTSA). To obtain a TWIC, you must complete the enrollment process at a TWIC enrollment center and pay the enrollment fee.
Individuals who

- were convicted of certain crimes,
- lack lawful presence and certain immigration status in the United States,
- are connected to terrorist activity, or
- have been determined to lack mental capacity are ineligible for a TWIC.

A list of enrollment centers and their locations is on the TSA website at: www.tsa.gov/twic or by calling the TWIC call center at 1-866-DHS-TWIC (1-866-347-8942).

Military Ratings to National Merchant Marine Endorsements

Military Ratings to National Merchant Marine Endorsements

Minimum Sea Time for Deck Endorsements

Paygrade	Military Rating	Merchant Marine	Sea Time Required	STCW & Other Training
E1-E3	SA, SN, BM, QM, GM	Ordinary Seaman, Wiper, Steward (Food Handler)	None	**Support Level** **Basic Training – BT** **Ratings Forming Part of a Navigational Watch – RFPNW**
E4-E6	BM	Able Seaman	1080 Days	BT, Lifeboatman, RFPNW
E4-E6	Deck Ratings	AB OSV	**180 Days** on navigable waters of US	BT, Lifeboatman, RFPNW
E4-E6	Deck Ratings	AB MODU	**360 days** on Vessel over 65 Feet on navigable waters of US	BT, Lifeboatman, RFPNW
E4-E6	Deck Ratings	AB Special	**360 Days** on navigable waters of US	BT, Lifeboatman, RFPNW
E4-E6	Deck Ratings	AB Limited	**540 Days** on vessel over 100 GRT on navigable waters of US	BT, Lifeboatman, RFPNW
E4-E6, E7-E9 & O1-O6, Any USNA Grad wit DWO Letter	Deck Ratings, BMOW, QMOW, DWO, Ops, XO, CO	AB Unlimited	**1080 Days** of Deck Service with 180 days as a Bridge Watchstander and Lifeboatman	BT, Lifeboatman, RFPNW
		3rd Mate – Any Gross Tons, Near Coastal and Ocean	**1080 Days** of Deck Service with 180 days as a Bridge Watchstander and Lifeboatman	BT, Lifeboatman, RFPNW **Operational Level** NVIC 12-14 – OICNW
		2nd Mate – Any Gross Tons, Near Coastal and Ocean	360 Days as 3rd Mate	
		Chief Mate – Any Gross Tons, Near Coastal and Ocean	720 Days as a 2nd Mate	BT, Lifeboatman, RFPNW **Mgmt. Level** NVIC 10-14 – CM/Master
		Master – Any Gross Tons, Near Coastal and Ocean	360 as Chief Mate	

Minimum Sea Time for Engine Endorsements

Paygrade	Military Rating	Merchant Marine	National Sea Time Required	STCW & Other Training
E1-E2		**Wiper**	None	
E1- E6	A Schools, C Schools	**Wiper –** Electrician/ Refrigerator Engineer	None	
E1- E6	A Schools	**Wiper –** Oiler	None	
E1- E6	A Schools	**Wiper** – Fireman/Watertender	None	
E1- E6	A Schools	**Wiper –** Jr. Engineer	None	
E1- E6	A Schools	**Wiper –** Pumpman/ Machinist	None	
Any		**QMED - Qualified Member of an Engineering Department**	**180 Sea Days with all five wiper ratings – or approved program and 180 days in Engine Room**	
Any USNA Grad with EWO Qualification Letter	Any Engine Rating	**3rd Assist. Engineer**	**1080 Sea Days in Engine Department with 720 as QMED** *or equivalent position per 46 FR 11.516 options*	
		2nd Assist. Engineer	**360 Days as 3rd Assist.** *(May qualify for Chief Engineer Limited) 46 CFR 11.514*	
		1st Assist. Engineer	**360 Days as 2nd Assist.** *(May qualify for Chief Engineer Limited) 46 CFR 11.514*	
		Chief Engineer	**360 Days as 1st Assistant.**	
INTERNATIONAL ENDORSEMENTS		**RFPEW**[1] **180** days in Engine		
		Able Seafarer/Engine[2] ***180*** *as a RFPEW AND approved Training*		
		Electro-Tech. Rating[3] **360** days of seagoing service		
		Electro-Tech. Officer 360 days of seagoing service		
		Officer in Charge of the Engineering Watch[4]**- OICEW** *(Equiv. to Nat. 3rd Assist. Engineer)*		
		2nd Engineer (1st Assist.)[5] **360 days** as OICEW		
		Chief Engineer Officer[6] **1080 days** as OICEW		

[1] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_87_web.pdf?list8=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_87_web.pdf&B3=GO%21
[2] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_86_web.pdf?list8=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_86_web.pdf&B3=GO%21
[3] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_88_web.pdf?list8=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_88_web.pdf&B3=GO%21
[4] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_88_web.pdf?list8=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_88_web.pdf&B3=GO%21
[5] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_70_web.pdf?list6=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_70_web.pdf&B5=GO%21
[6] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_69_web.pdf?list6=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_69_web.pdf&B5=GO%21

RFPNW[7]

Assessments	Provide evidence of meeting the Standards of Competence prescribed in Section A-II/4 of STCW Code: Record of Assessment from NVIC 06-14 or equivalent record signed by an officer having at least one year of experience as OICNW on vessels of 200 GRT/500 ITC or more
Approved Training	Basic Training (or continued competency)

Able Seafarer – Deck[8]

Assessments	Provide evidence of meeting the Standards of Competence specified in Table A-II/5 of the STCW Code.
Approved Training	Basic Training (or continued competency) Proficiency in survival craft (Limited or Full)

Officer in Charge of the Navigational Watch 500 GT or More[9]

Assessments	Provide evidence of meeting the standard of competence specified in Section A-II/1 of STCW Code Operational – Assessments (Coast Guard approved training may be used to satisfy portions of the assessment requirements). Must complete & attach Record of Assessment from NVIC 12-14 or its equivalent. May continue to use PL Ltr 11-07 assessments and training.
Approved Training	Basic Training (or continued competency) Basic and Advanced Fire Fighting Course, within 5 years of application date, Medical First Aid Provider Search and Rescue Terrestrial Navigation Celestial Navigation Electronic Navigation Systems Watchkeeping, including COLREGS and IMO Standard Marine Communication Phrases (SMCP) Basic Cargo Handling and Stowage Basic Ship Handling Basic Stability and Ship Construction Basic Meteorology Proficiency in Survival Craft (or PSC Limited) and Rescue Boats other than Fast Rescue Boats Medical First Aid Provider Visual Signaling

[7] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_85_web.pdf?list4=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_85_web.pdf&B2=GO%21
[8] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_84_web.pdf?list4=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_84_web.pdf&B2=GO%21
[9] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_62_web.pdf?list2=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_62_web.pdf&B1=GO%21

Bridge Resource Management
Radar Observer Unlimited
Leadership and Teamworking Skills
ARPA (Optional, only if serving on a vessel with this equipment
GMDSS (Optional, only if serving on a vessel with this equipment)
ECDIS (Optional, only if serving on a vessel with this equipment)

Chief Mate 3000 Gt Or More Management Level[10]

Assessments

Provide evidence of meeting the standard of competence specified in Section A-II/2 of STCW Code. Assessments for this endorsement (Coast Guard approved training may be used to satisfy portions of the assessment requirements). Must complete & attach Record of Assessment from **NVIC 10-14 or its** equivalent. *May continue to use Pol Ltr 04-02 until 3/2/2019.*

Approved Training

Basic Training (or continued competency)
Basic and Advanced Fire Fighting Course within 5 years of application date,
Advanced Ship Handling
Advanced Stability
Advanced Meteorology
Leadership and Managerial Skills
Search and Rescue
Management of Medical Care
Radar Observer Unlimited
Leadership and Managerial Skills
ARPA (Optional, only if serving on a vessel with this equipment
GMDSS (Optional, only if serving on a vessel with this equipment)
ECDIS (Optional, only if serving on a vessel with this equipment)

Master 3000 Gt Or More Management Level[11]

Assessments

Same as Chief Mate – if not previously completed; Provide evidence of meeting the standard of competence specified in Section A-II/2 of STCW Code Management Level – Assessments for this endorsement (Coast Guard approved training may be used to satisfy portions of the assessment requirements). Must complete & attach Record of Assessment from NVIC 10-14 or its equivalent**.** ***May continue to use Pol Ltr 04-02 until December 31, 2016 regardless of when your service started.***

Approved Training

Basic Training (or continued competency)
Same as Chief Mate – if not previously completed

Note: *Applicants for an original MMC endorsed as Master Unlimited and STCW 3,000 GT or More* must also meet the Other Requirements listed on the OICNW checklist if the mariner does not hold or has not previously held an STCW endorsement as OICNW, Chief Mate, or Master valid on vessels of 500 GT or more issued after 1997 (NVIC 02-14) (normally pertains to applicants with military or foreign service and do not hold an MMC).

[10] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_61_web.pdf?list2=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_61_web.pdf&B1=GO%21
[11] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_60_web.pdf?list2=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_60_web.pdf&B1=GO%21

Ratings Forming Part of the Engineering Watch – RFPEW[12]

Assessments	Provide evidence of meeting the Standards of Competence as specified in Table A-III/4 of the STCW Code. Record of Practical Performance Assessments from NVIC 07-14 (Enclosure 4).
Approved Training	Basic Training (or continued competency)

Able Seafarer-Engine

Assessments	Provide evidence of meeting the Standards of Competence as specified in Table A-III/5 of the STCW Code. Record of Practical Performance Assessments from NVIC 18 -14 (Enclosure 4).
Approved Training	Basic Training (or continued competency)

Officer in Charge of an Engineering Watch[13] (3rd Assistant and 2nd Assistant Engineer)

Assessments	Provide evidence of meeting the Standards of Competence as specified in Table A-III/5 of the STCW Code. Record of Practical Performance Assessments from NVIC 07-14 (Enclosure 4).
Approved Training	Basic Training (or continued competency) Engine resource management (ERM), including leadership & team working skill. Engineering terminology and shipboard operations. Auxiliary machinery Gas turbine plants, as applicable Steam plants, as applicable. Motor plants as applicable. Electrical machinery and basic electronics Control systems. Medical First-Aid Provider (Formerly Medical Care Provider) Basic Fire Fighting Advanced Firefighting Personal Survival Craft

[12] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_87_web.pdf?list8=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_87_web.pdf&B3=GO%21
[13] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_71_web.pdf?list6=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_71_web.pdf&B5=GO%21

1st Assistant and Chief Engineer[14]

Assessments	Provide evidence of meeting the Standards of Competence as specified in Table A-III/5 of the STCW Code. Record of Practical Performance Assessments from NVIC 17 – 14 (Enclosure 4).
Approved Training	Basic Training (or continued competency) Engine Resource Management (ERM) Advanced Fire Fighting Course, unless previously met PSC Medical Care Provider

[14] http://www.uscg.mil/nmc/checklists/pdfs/mcp_fm_nmc5_69_web.pdf?list6=%2Fnmc%2Fchecklists%2Fpdfs%2Fmcp_fm_nmc5_69_web.pdf&B5=GO%21

An Example from USCG Machinery Technician (MK)

similar to Navy's Machinist's Mate (MM)

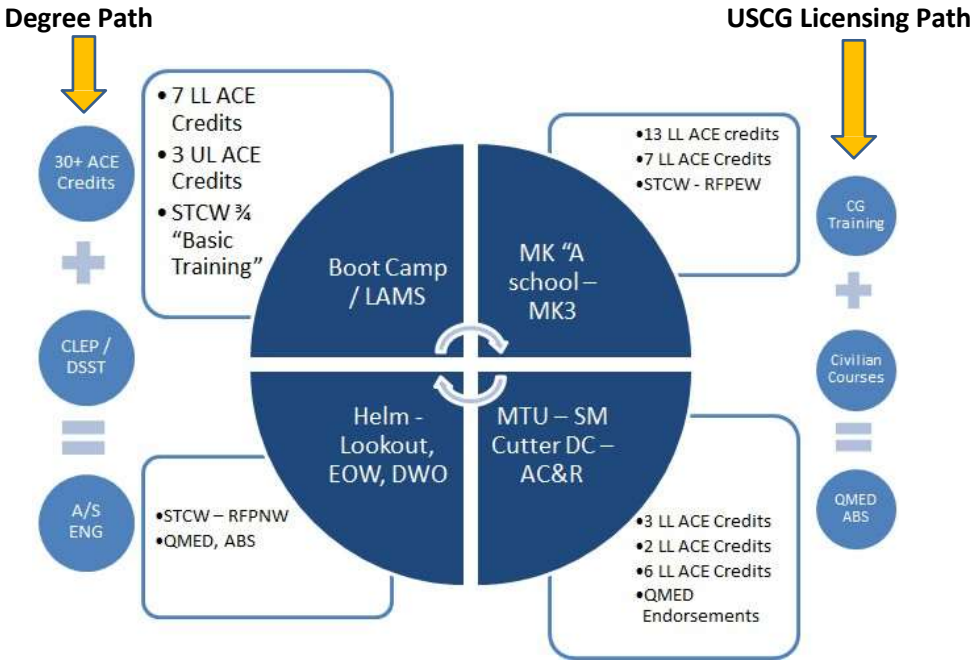
Example of Mapping Your Military Skills to a Merchant Mariner License Requirement

The following is an account of the Coast Guard Machinery Technician (MK) Rating Force Master Chief's effort to map his USCG training to Merchant Mariner License requirements. Use this as an example of how you can do similar mapping to your Navy occupation.

Approach

Approach mapping the USCG licensing/certification process with the same mindset a earning a college degree. No single course will give you a degree, and a combination of courses can give you most of the requirements for more than one type of degree. Similarly, Merchant Mariner Credentials can be earned in a piecemeal fashion over the course of your career. Just like ACE recommended college credits, training requirements only count if you use them.

Both paths displayed below demonstrate how Boot Camp / Leadership and Management School (LAMS)….and Rating 'A' School….and Motor Turbine Unit (MTU), Small Cutter Damage Control (SM Cutter DC); Air Conditioning and Refrigeration (AC&R) training….and shipboard watches and qualifications/watches….can accumulate and contribute towards a Degree and/or a USCG License.



Similarities between Degree Program (left side) and USCG Licensing (right side)

Where to Start:

1) First, log into http://www.uscg.mil/nmc/ . This site contains the requirements for the different endorsements.

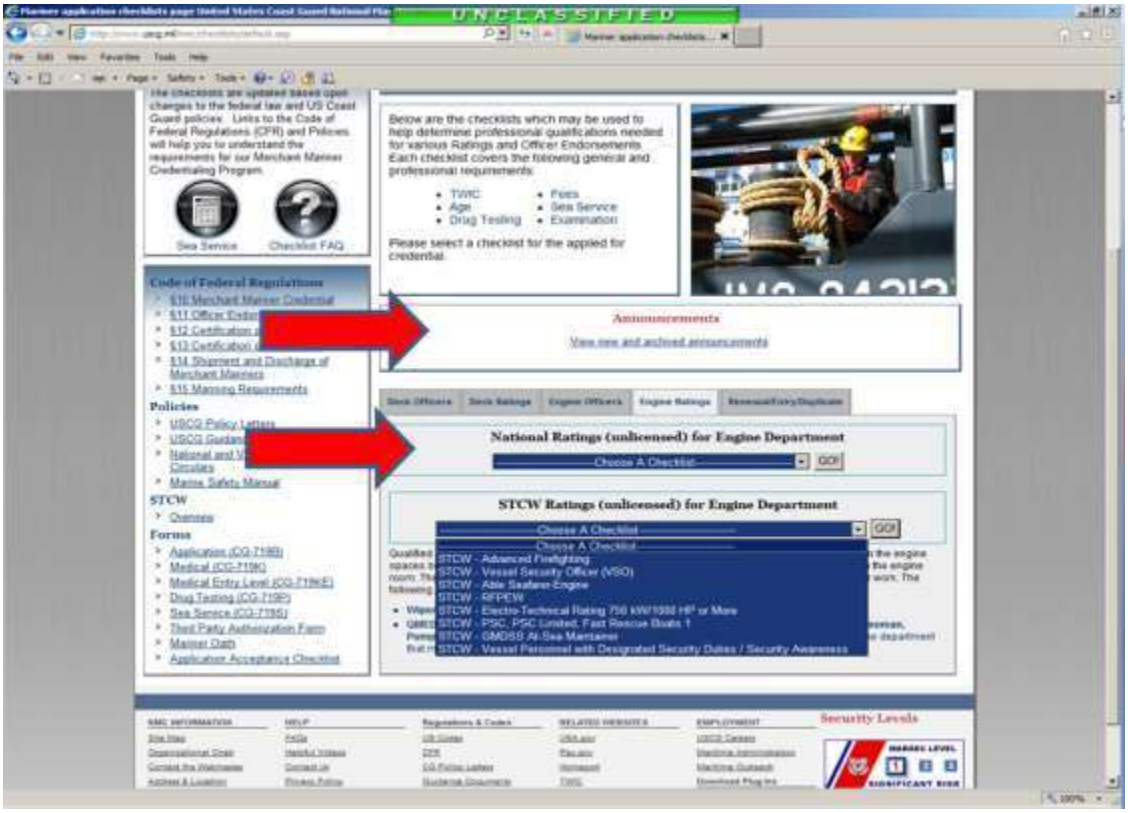
2) Next, start by opening the checklists. You can also search for "military" and find information concerning TWIC, medical and other standard screening requirements at: http://www.uscg.mil/nmc/professional_qualifications/default.asp?tab=1#TabbedPanels1.

Opening the Checklists on the NMC Website

3) There are two kinds of endorsements: **National Endorsements** and **Standards of Training, Certification, and Watchkeeping (STCW)**. There are checklists available from the NMC that will serve as a mechanism to build your crosswalk.

- Take a look at Qualified Member of an Engineering Department (QMED). The governing document is NVIC is 03-14. Machinery Technician (MK) may qualify for all five if they have had AC&R training…and the other four if they attended MK "A" school. MK "A" school is USCGTC-417 in NMC's database. Striking for MK does not meet the International Maritime Organization (IMO) requirements found in NVIC 03-14. This could also apply for the Navy MM-Machinist's Mate, GSM-Gas Turbine System Technician Mechanical and GSE-Gas Turbine System Technician Electrical.

4) Military training and courses may qualify toward the evaluation of various National ratings and endorsements. Training and courses must be National Maritime Center approved and applicable to the National rating requested. These courses will only be credited within the parameters of the existing approval and may cover any combination of training, assessments, or examinations. [NOTE: Required sea service is not typically covered by training]



Announcements, National Ratings, and STCW Ratings on NMC Website

NATIONAL QUALIFIED MEMBER OF THE ENGINE DEPARTMENT (QMED) § 12.501

NAME: _REFERENCE #:_____DATE: _____

General Requirements	Reference: 46 CFR	
CG-719B Application	10.209 /10.25 10.231	
TWIC (Identification, Fingerprints, Citizenship, Social Security number, etc)	10.203 /10.207 10.209 /10.225 10.231	
Photograph (supplied by TSA)	10.209	
Verify MMLD set to "Y" for SSEB screening	10.211 /10.214	
Medical Certificate in MMLD	10.301 /10.302	
Drug testing compliance (within 6 months) Note: Only required for first QMED endorsement unless also renewing 10.231	10.209 /10.225 10.231	
Mariner Fees Ensure all appropriate fees have been paid	10.219	
Sea Service letters or discharges (MUST verify vessels in MISLE) Entered on spreadsheet (optional)	10.232	
Sea Service Requirements	**Reference: 46 CFR**	
180 days of service in a rating at least equal to that of a wiper or coal passer. •*Electrician/Refrigerating Engineer* •Oiler •Fireman/Watertender •Junior Engineer •*Pumpman/Machinist* •QMED – Any Rating (must hold all 5 ratings to be endorsed) Approved training programs, other than those classified as a school ship, may substitute for up to one-half of the required service. **OR**	12.501	
(1)A graduate of a school ship may qualify for a rating endorsement as QMED, without further service, upon satisfactory completion of the program of instruction. For this purpose, school ship is interpreted to mean an institution that offers a complete approved program of instruction, including a period of at-sea training, in the skills appropriate to the rating of QMED. (Please refer to COAP for approved school ships and the scope of their approvals.) (2)Training programs, other than those classified as a school ship, may be substituted for up to one-half of the required service. The service/training ratio for each program is determined by the Coast Guard. (Please refer to COAP.)	12.503	
Sea Service Requirements If service before March 24, 2014		
If mariner's service or training started prior to March 24, 2014, the mariner may qualify, test and be issued for the single ratings of Pumpman; Machinist; Electrician and Refrigerating Engineer		

MCP-FM-NMC5-55 (02)

Example of National Rating for QMED Checklist (PAGE 1) from the NMC Website

NOTES: •Mariners holding a single rating that is now combined and request the combined rating will need to pass the appropriate exam. •After March 24, 2015, we will not issue original single ratings nor will we issue original Deck Engine Mechanic or Engineman. •Mariners may renew any previous endorsement as is. •If service started **BEFORE** March 24, 2014, and has qualified prior to March 24, 2015 (including service and exam), they can still qualify for single ratings, Deck Eng Mechanic and Engineman if they choose. •If service started ON OR **AFTER** March 24, 2014, the mariner can only receive combined ratings and cannot receive Deck Engine Mechanic or Engineman.	12.501 NVIC 02-14	
Other Requirements	**46 CFR**	
Age 18	12.501	
EXAMS See Exam Guide		
Course completion certificate in lieu of Coast Guard examination		
Exam codes & credential testing comments entered in MMLD	12.505	
Exams administered - Circle appropriate exam guide used Prior to March 24, 2014 After March 24, 2014		
Exam scores entered in MMLD		

Notes
1.Engineer Officers will be endorsed for all entry level ratings and any other QMED ratings for which they qualify.
2.After March 24, 2014, we are no longer using "Any Unlicensed Rating in the Engine Department" for mariners who previously held this it will be replaced with QMED-Any Rating.
3.All others must pass the individual QMED examinations to receive the corresponding individual QMED rating endorsements. (12.201).
4.If all QMED exams passed, will receive QMED – Any Rating.

Notes:

MCP-FM-NMC5-55 (02)

Example of National Rating for QMED Checklist (Page 2) from the NMC Website

5) Now look at the STCW Ratings checklist for Rating Forming Part of an Engineering Watch (RFPEW): http://www.uscg.mil/nmc/checklists/default.asp

The difference between cross walking QMED and RFPEW is…the availability of specific NVIC's. Once you have the NVIC checklist, you can crosswalk your training directly to the STCW training requirements. RFPEW is 07-14 and OICEW is 17-14. The NMC workforce wants to help you earn a license, but they cannot grant them unless there is evidence you meet the legal requirements. You are not requesting special treatment, so this is how you prove you are qualified.

Pulling up STCW-RFPEW from the NMC Website

STCW RFPEW § 12.609

NAME: _____ REFERENCE #: _____ DATE:

General Requirements	Reference: 46 CFR	
CG-719B Application	10.209 /10.225 10.231	
TWIC (Identification, Fingerprints, Citizenship, Social Security number, etc)	10.203 /10.207 10.209 /10.225 10.231	
Photograph (supplied by TSA)	10.209	
Verify MMLD Set to "Y" for SSEB Screening	10.211 /10.214	
Verify Medical Certificate in MMLD	10.301 /10.302	
Sea Service Letters or Discharges (MUST verify vessels in MISLE) Received & Entered on Spreadsheet	10.232	
Sea Service Requirements & Competencies	**Reference:**	
1. 180 days of seagoing service, which includes training and experience associated with engine room functions, and involves the performance of duties carried out under the supervision of an engineer officer or a qualified STCW rating, **OR** 2. Proof successful completion of a Coast Guard-approved or accepted training, which includes: • Not Less than 60 days of approved seagoing service	12.609 NVIC 1-06 NVIC 07-14 STCW III/4	
Competencies	**Reference:**	
Provide evidence of meeting the Standards of Competence as specified in Table A-III/4 of the STCW Code: 1. Record of Practical Performance Assessments from NVIC 07-14 (Enclosure 4) signed by an officer having at least one year of experience as OICEW on vessels of the applicable propulsion mode(s) of at least 750kW/1,000HP (assessor has held OICEW for at least one year and his/her endorsement has the appropriate HP and propulsion limitations).	12.609 NVIC 1-06 NVIC 07-14	
Grandfathering		
Until December 16, 2016, mariners may use some or all of the former assessments from NVIC 01-06 to meet the equivalent assessments specified in NVIC 07-14. Use the crossover table from NVIC 07-14 (Enclosure 5) and include with this checklist.		
Limitations		
Per Enclosure 4 of NVIC 07-14, based on the assessments completed, a mariner may qualify for one of the following limitations:		
"Not valid for steam vessels"		
"Not valid for steam vessels or for motor and/or gas-turbine propelled vessels without distilling plants."		
"Not valid for steam vessels or for motor and/or gas-turbine propelled vessels without waste-heat or auxiliary boilers."		
"Not valid for gas-turbine propelled vessels."		
"Not valid for motor vessels."		
"Not valid for motor and/or gas-turbine propelled vessels."		
Approved Training	**46 CFR**	
Basic Training (or continued competency)	12.602	
Other Requirements	**46 CFR**	
Age 16	12.609	

MCP-FM-NMC5-87 (01)

Example of STCW RFPEW Checklist (Page 1) from the NMC Website

Table 1 To 12.609(c) STCW Endorsement as RFPEW
******National Crossover******

Entry path from national endorsements	Sea service under authority of the endorsement*	Competence – STCW Table A-III/4 **
Any QMED	**None**	Y
Wiper	6 months	Y

* This column provides the minimum additional service required of the seafarer in order to meet the requirements of this section.
** Complete any RFPEW assessments not previously satisfied.

Comments:

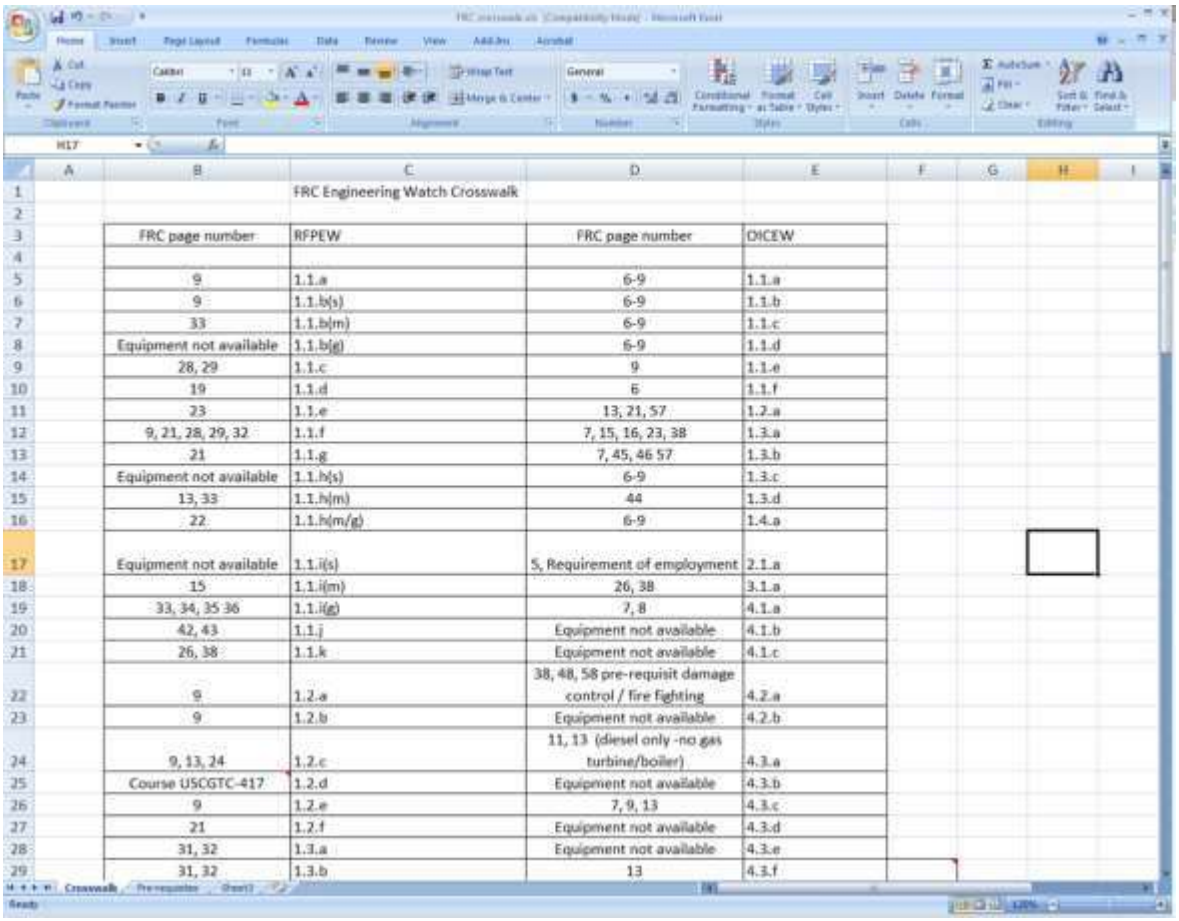
MCP-FM-NMC5-87 (01)

Example of STCW RFPEW Checklist (Page 2) from the NMC Website

6) Once, you have your list of courses and watch qualification packages, (Navy PQS) now what?

This is the difficult part of the process.

- You have to look for the task-list in the NVIC and link them to a reference from your training history. (I used the NVIC for RFPEW and OICEW with the FRC.)
- As you can see below, the FRC underway requirement from page 9 meets the RFPEW NVIC number 1.1.a.
- If this sounds confusing, just imagine what the Coast Guard employee at the National Maritime Center feels when they receive Coast Guard employee's request without a crosswalk.
- It took me about six hours to complete both the RFPEW and OICEW for an MK with "A" school. This is not a difficult process; it just takes some time to get right.



FRC Engineering Watch Crosswalk

FRC page number	RFPEW	FRC page number	OICEW
9	1.1.a	6-9	1.1.a
9	1.1.b(s)	6-9	1.1.b
33	1.1.b(m)	6-9	1.1.c
Equipment not available	1.1.b(g)	6-9	1.1.d
28, 29	1.1.c	9	1.1.e
19	1.1.d	6	1.1.f
23	1.1.e	13, 21, 57	1.2.a
9, 21, 28, 29, 32	1.1.f	7, 15, 16, 23, 38	1.3.a
21	1.1.g	7, 45, 46 57	1.3.b
Equipment not available	1.1.h(s)	6-9	1.3.c
13, 33	1.1.h(m)	44	1.3.d
22	1.1.h(m/g)	6-9	1.4.a
Equipment not available	1.1.i(s)	5, Requirement of employment	2.1.a
15	1.1.i(m)	26, 38	3.1.a
33, 34, 35 36	1.1.i(g)	7, 8	4.1.a
42, 43	1.1.j	Equipment not available	4.1.b
26, 38	1.1.k	Equipment not available	4.1.c
9	1.2.a	38, 48, 58 pre-requisit damage control / fire fighting	4.2.a
9	1.2.b	Equipment not available	4.2.b
9, 13, 24	1.2.c	11, 13 (diesel only -no gas turbine/boiler)	4.3.a
Course USCGTC-417	1.2.d	Equipment not available	4.3.b
9	1.2.e	7, 9, 13	4.3.c
21	1.2.f	Equipment not available	4.3.d
31, 32	1.3.a	Equipment not available	4.3.e
31, 32	1.3.b	13	4.3.f

Linking a reference from your training history to a task-list in the NVIC

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Watch Qualification System
WQS Performance Sign Off for FRC EOW Version 1.0, October 2013

Watchstander Duties: Perform Individual Watch Routines

Given the equipment below, perform individual watch routines in accordance with the Engineer Petty Officer's Standing Orders.

Equipment

- Personal Protective Equipment (PPE)
- Round Sheet Clipboard

The checklist maps to the task list.

Evaluation Criteria

Perform the 0000 - 0400 Watch Routine

Enabling Objectives/Steps	Initial
1. Complete and file day's logs.	
2. Initiate new day's log.	
3. Check applicable L/O levels, add if needed.	
4. Extract fluid samples from online machinery.	
5. Initial each step on the Engineering Watch Routine checklist.	
6. Perform air compressor blow down.	

Perform the 0400 - 0800 Watch Routine

Enabling Objectives/Steps	Initial
1. Clean up machinery spaces and remove all trash.	
2. Check applicable L/O levels, add if needed.	
3. Initial each step on the Engineering Watch Routine checklist.	
4. Test fluid samples taken during previous watch.	
5. Complete small boat checks.	
6. Report small boat checks.	

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Enclosure (2) to NVIC 07-14

Assessment Guidelines for Ratings Forming Part of an Engineering Watch

Task No.	STCW Competence	Knowledge, Understanding and Proficiency	Performance Condition	Performance Behavior	Performance Standard
1.1.A	Carry out a watch routine appropriate to the duties of a rating forming part of an engine-room watch.	Engine-room watchkeeping procedures	On a vessel;	the candidate makes an engine room round.	The candidate: 1. Inspects, monitors, and checks system parameters of all auxiliary systems and machinery, and main propulsion machinery; check operating pressures, temperatures, flow and level indicators, and collect readings for log book entry; 2. Inspects bilges and pump as necessary; notes piping condition in bilges and conducts visual inspection of sea chests; 3. Checks machinery spaces for all signs of fire, flooding, loss of lighting, and electric shock hazard; 4. Wipes up all spilled oil; 5. Inspects all system and machinery piping for signs of leaks; 6. Monitors all applicable strainer and filter pressure drops; 7. Checks electric motors and machinery for overheating; 8. Investigates any abnormal sounds, vibrations, or odors, as well as loose fittings, nuts, bolts, flanges, clamps, hangers, and connections; 9. Checks for any gear adrift or machinery guards not in place; 10. Notifies watch engineer of any unusual or unsafe conditions; 11. Takes appropriate action to correct any unusual or unsafe conditions; 12. Demonstrates proper keeping of the bell book; and 13. Takes proper action to prevent safety and pollution violations.

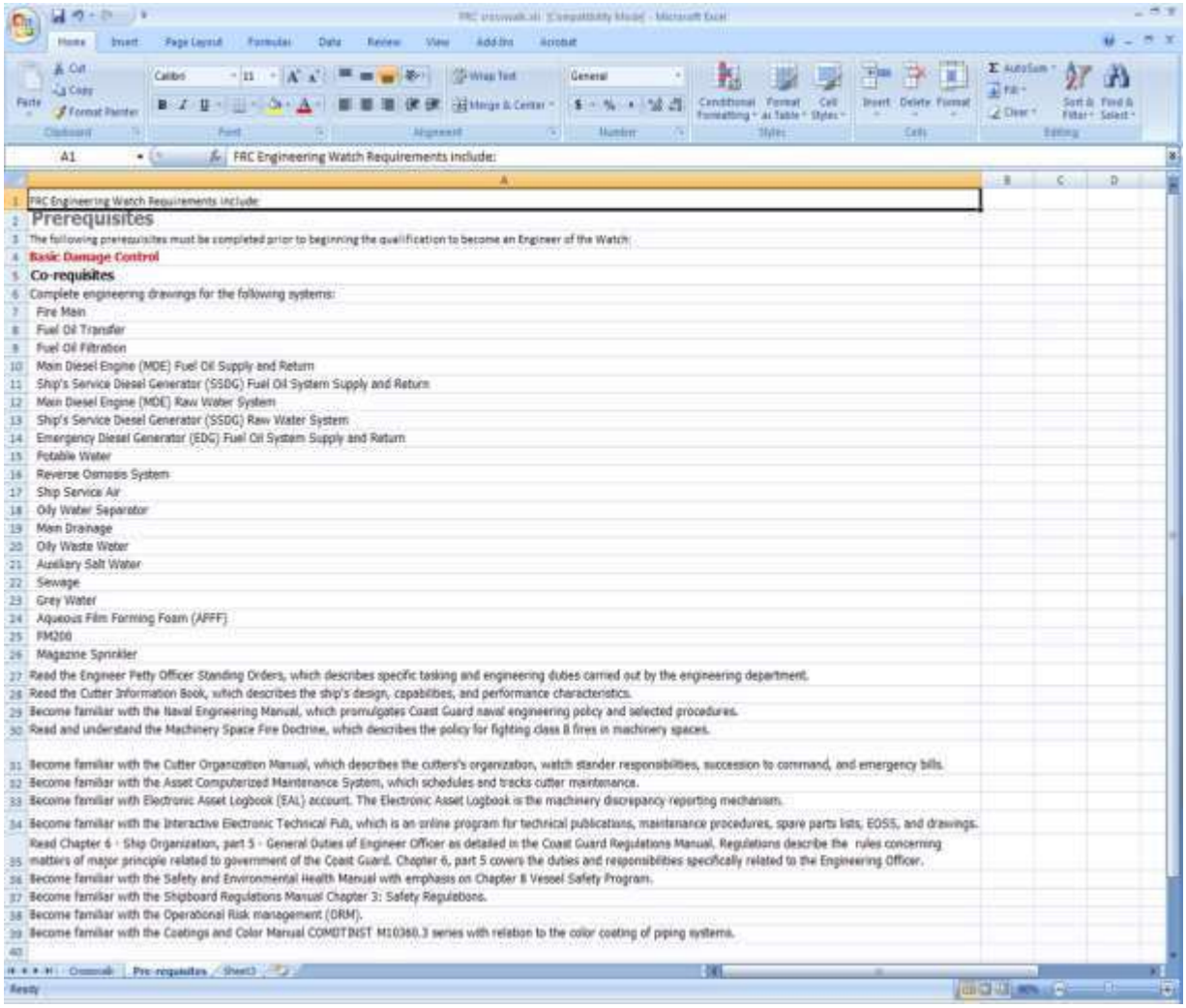
Successful completion of these Assessment Guidelines will provide satisfactory evidence of meeting the standard of competence specified in Section A-III/4 of the STCW Code. The use of these Assessment Guidelines is not mandatory and alternative means of having achieved the standards of competence in the STCW Code will be considered. In accordance with 46 CFR 10.403(e), alternative Assessment Guidelines must be submitted to the National Maritime Center and approved before use.

2

Linking a reference from your training history to a task-list in the NVIC

7) Don't forget about prerequisites for your most senior underway watch.

- I used the FRC EOW qual (i.e. Navy PQS) as an example.
- While we take things like line drawings for granted, much of that kind of work can be used because there are training objectives and lesson plans with specific directions.
- I had to submit lesson plans with MK "A school and basic training.
- The WQS shows pictures and lists steps with specific gear, unlike RPQ's which are too generic to reference.



FRC Engineering Watch Requirements Include:

Prerequisites

The following prerequisites must be completed prior to beginning the qualification to become an Engineer of the Watch:

Basic Damage Control

Co-requisites

Complete engineering drawings for the following systems:

Fire Main
Fuel Oil Transfer
Fuel Oil Filtration
Main Diesel Engine (MDE) Fuel Oil Supply and Return
Ship's Service Diesel Generator (SSDG) Fuel Oil System Supply and Return
Main Diesel Engine (MDE) Raw Water System
Ship's Service Diesel Generator (SSDG) Raw Water System
Emergency Diesel Generator (EDG) Fuel Oil System Supply and Return
Potable Water
Reverse Osmosis System
Ship Service Air
Oily Water Separator
Main Drainage
Oily Waste Water
Auxiliary Salt Water
Sewage
Grey Water
Aqueous Film Forming Foam (AFFF)
FM200
Magazine Sprinkler

Read the Engineer Petty Officer Standing Orders, which describes specific tasking and engineering duties carried out by the engineering department.
Read the Cutter Information Book, which describes the ship's design, capabilities, and performance characteristics.
Become familiar with the Naval Engineering Manual, which promulgates Coast Guard naval engineering policy and selected procedures.
Read and understand the Machinery Space Fire Doctrine, which describes the policy for fighting class B fires in machinery spaces.

Become familiar with the Cutter Organization Manual, which describes the cutters's organization, watch stander responsibilities, succession to command, and emergency bills.
Become familiar with the Asset Computerized Maintenance System, which schedules and tracks cutter maintenance.
Become familiar with Electronic Asset Logbook (EAL) account. The Electronic Asset Logbook is the machinery discrepancy reporting mechanism.
Become familiar with the Interactive Electronic Technical Pub, which is an online program for technical publications, maintenance procedures, spare parts lists, EOSS, and drawings.
Read Chapter 6 - Ship Organization, part 5 - General Duties of Engineer Officer as detailed in the Coast Guard Regulations Manual. Regulations describe the rules concerning matters of major principle related to government of the Coast Guard. Chapter 6, part 5 covers the duties and responsibilities specifically related to the Engineering Officer.
Become familiar with the Safety and Environmental Health Manual with emphasis on Chapter 8 Vessel Safety Program.
Become familiar with the Shipboard Regulations Manual Chapter 3: Safety Regulations.
Become familiar with the Operational Risk management (ORM).
Become familiar with the Coatings and Color Manual COMDTINST M10360.3 series with relation to the color coating of piping systems.

Prerequisites from USCG WQS (similar to Navy PQS)

8) Finally, research the basic processes and training requirements.

- You, more than likely, will not meet the basic training or minimal safety training standards required in the Merchant Marines so you will have to attend training in the civilian sector. For example: the Navy does not train towards cold water immersion.
- Fortunately, there are many civilian courses available for things like cold water immersion, life raft and fire-fighting training.
- The Navy does have several courses approved by the NMC, like:

  Navy Advanced Shipboard Firefighting (J-495-0419)

https://www.cool.navy.mil/usn/Publications/Advanced_Fire_Fighting_USCG_Approval_GSM_GSE_thru_Apr2015.pdf

- Conduct a search for training and look under "courses" "search by courses" for opportunities in your area. The Navy is working to gain official recognition of our training but it is unlikely we will fill all gaps.

http://www.uscg.mil/nmc/announcements/pdfs/Application_Acceptance_Cklst_13.pdf

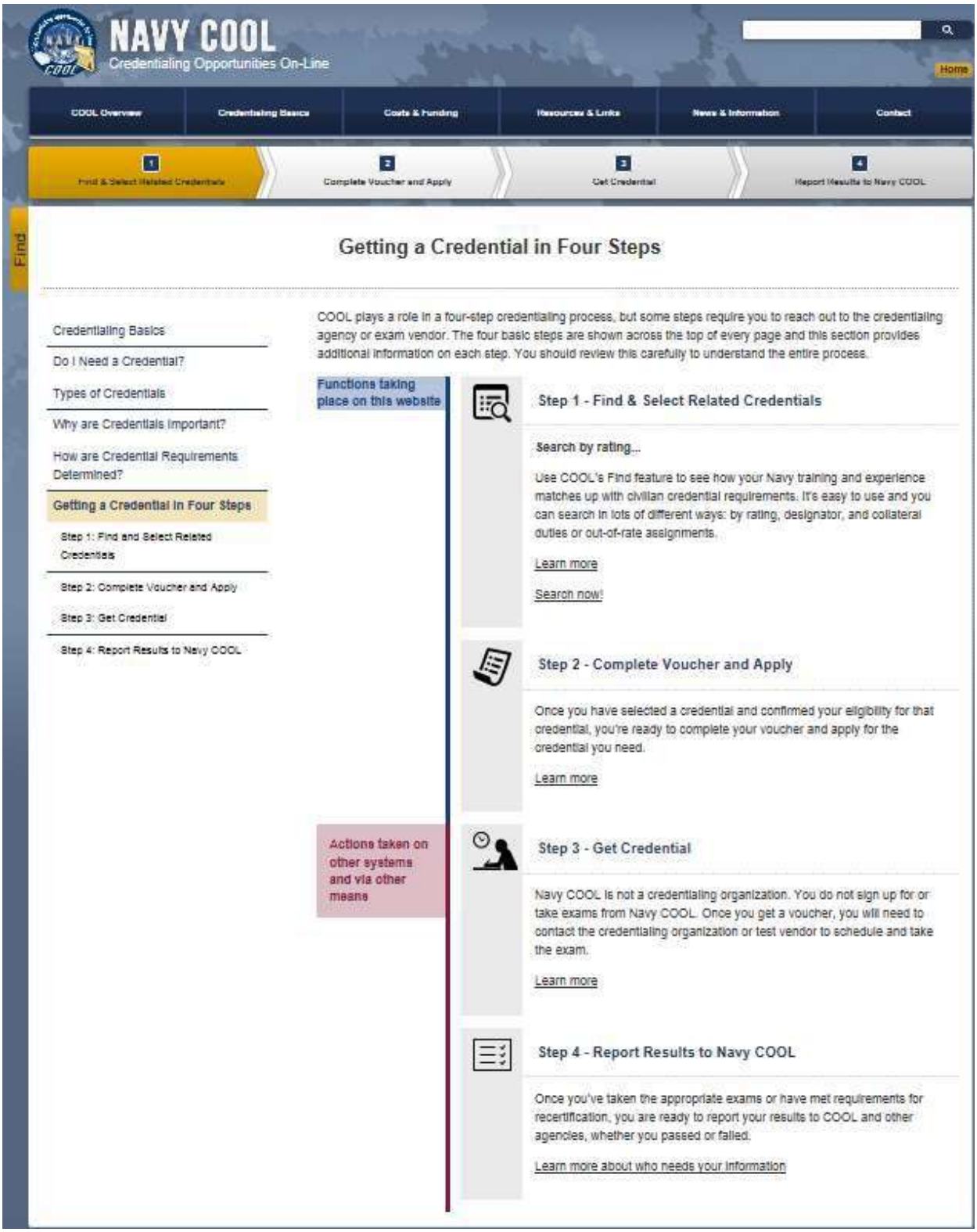
http://www.uscg.mil/nmc/courses/default.asp?tab=0#TabbedPanels1

Navy COOL 4-Step Process

Navy COOL Credentialing 4-Step Process

Navy COOL plays a role in a four-step credentialing process, but some steps require you to reach out to the credentialing agency or exam vendor. The four basic steps are shown across the top of every page. This guide and the Navy COOL website provide additional information on each step. You should review this carefully to understand the entire process.

4-Step Process. Ref: Navy COOL website: https://www.cool.navy.mil/usn



http://www.cool.navy.mil/usn/credentialing_basics/process_overview.htm

Step 1 – Find & Select Related Credentials

Search by rating –

Use COOL's Find feature to see how your Navy training and experience matches up with civilian credential requirements. It's easy to use and you can search in lots of different ways: by rating, designator, and collateral duties or out-of-rate assignments.

Often there are lots of credentials out there related to your Navy training and experience so it's important that you research them carefully and consider the following:

Experience & Background

Your service in the Navy is a great asset to you and will set you up nicely to attain the credentials you want. When you are searching, you will do so based on factors associated with your rating, designator, and collateral duty or out of rate assignment. Keep in mind that some credentials might be open to you as you gain rank, too!

Timing

Some credentials are better attempted prior to separating from the Navy: some may even be more useful to you and help you advance your career before you separate. No matter the path you choose, consider how long the credential might take to achieve as a part of your decision-making process. See Do I Need a Credential? For more information about factors you might consider.

Credential Eligibility

Credential agencies may have education, training, experience, and other requirements associated with a credential. To learn more about credential eligibility requirements go to How are Credential Requirements Determined? Then be sure to find out if you are good to go or not by reviewing all of the eligibility requirements for the particular credential. The eligibility requirements for the credential can be found by clicking on the credential title once you have used the Find & Select Related Credentials function.

Step 2 – Complete Voucher and Apply

Once you have selected a credential and confirmed your eligibility for that credential, you're ready to complete your voucher and apply for the credential you need.

To be ready to complete your voucher and apply to receive funding, you must:

- ✓ Check your voucher eligibility
- ✓ Request a voucher
- ✓ Get the voucher

Check Your Voucher Eligibility

In the first step of the process, you will have determined whether you meet the credential agency eligibility requirements. Now you need to make sure you meet the Navy's voucher eligibility requirements. The eligibility requirements for a credential are detailed in two places on COOL:

(1) read about the Navy's Voucher Eligibility Requirements, and

(2) at the top of any page, click on Step 2 "Complete Voucher and Apply" to complete the Voucher Eligibility Tool.

Request a Voucher

Once you have completed the Voucher Eligibility Tool and determined that you are eligible for a credential, you can apply for a voucher from the Navy's Credential Program Office. It is important to note that you must receive approval for a voucher from the Navy's Credentials Program Office BEFORE registering for, scheduling or taking an exam, or taking any other action that requires payment.

To find out more about the timing of requesting a voucher, check out What is the timeline for receiving funding for credentials?

To apply for a voucher, click on Step 2 "Complete Voucher and Apply" at the top of any page.

Get the Voucher

Once you have applied for a voucher through Navy's Credential Program Office, you will receive an e-mail approving your voucher request, and you'll need to wait for a further email once funding is in place... or you will receive an email rejecting your voucher request along with an explanation of why and how to correct it.

It is important to note that you are not authorized to register, schedule, or take an exam, or take any other action that requires payment until you receive specific approval (via email from Navy COOL) that your credential fee has been funded. Navy COOL will also provide next steps via email to register, take, or apply the funding arranged.

Step 3 – Get Credential

Register & Take Exam

Once your credential is funded by Navy COOL, it's time to register & take the exam (or complete other actions (i.e. application or finalize annual maintenance fees).

- It is important to note that Navy COOL is **not** a credentialing organization– you do not sign up for or take exams from Navy COOL.
- Navy COOL funds credential application fees, exams, and annual maintenance fees.
- Navy COOL does not fund for training, study guides, exam preparation, or continuing education.
- Once you have an approved and funded exam voucher from Navy COOL…Navy COOL will provide you the directions on how to register and take your exam.
- You are responsible for contacting a credential exam test center (i.e. Pearson VUE, ProMetric, New Horizons, LaserGrade, etc…) to schedule the exam.
- You must schedule and take your exam within 60 days of issue of the Navy-funded voucher or the voucher expires (unless specifically coordinated with the Navy's

Credentials Program Office for an extension).

- In most cases, the member must schedule and take the credential exams within 60 calendar days from receipt of your voucher (date the exam was funded). If the member's certification exam process takes longer than 60 days he/she must call or email the Navy's Credentials Program Office (navycool@navy.mil) [(850) 452-6683/6664] to request a time waiver for going beyond the 60 calendar day limit. Vouchers not used in the approved timeframe will be recalled and the member will no longer be authorized to use the voucher.

- The exam voucher/funding is non-transferable and may only be used by the individual specifically issued, towards the specific exam that was funded. The member may be subject to administrative and/or disciplinary action if he/she attempts unauthorized use of the voucher.

- The following is a list of common test vendors. [Navy COOL does not endorse any of the following vendors, but lists them here for your convenience.]

Test Vendors

- CATS
- Certiport
- Comira
- KRYTERION
- LaserGrade
- Pearson VUE (off-base testing)
- Pearson VUE (military on-base testing)
- Pearson VUE (map of on-base testing locations)
- Prometric

Step 4 – Report Results to Navy COOL

Once you've taken the appropriate exams or have met requirements for recertification, you are ready to report your results to COOL and other agencies, whether you passed or failed.

When you've completed your credential exam, taken a test, or met recertification requirements, you must provide the results to the following groups, **regardless of whether you Passed or Failed!**

These groups are:

- The Navy's Credentials Program Office: email 1) Pass/Fail and 2) Your Score (if relevant) to: navycool@navy.mil

- Your Supervisor

- Your Local Approving Official

Next, check below for specific requirements for Enlisted Service Members or Officers.

Enlisted

Passing scores should be reported to your PSD for service record entry. For Joint Service Transcript (JST) entry you may mail, email or fax JST Operations at Naval Education and Training Professional Development Command (NETPDC) in Pensacola, Florida.

You should provide only "Certified True Copies" or "Notarized" copies of your credential completion certificate to JST Operations.

- JST entries via web/Internet:
  Website: https://jst.doded.mil. When logging in, click "My Inquiries" and create a new inquiry requesting your certification/license be added. You can then attach your certification inside the request/JST and it will be added.

- JST entries via email:
  jst@doded.mil. In your email, be sure to include:
  RANK/RATE
  Last 4 only of SSN
  Phone
  Email address

- JST entries by fax:
  Fax: (850) 473-6013 or DSN 753-6013. On your fax cover sheet, be sure to include:
  RANK/RATE
  Last 4 only of SSN
  Phone
  Email address

- JST entries by mail or hardcopy:
  NETPDC
  ATTN: JST Operations Center, N615
  6490 Saufley Field Road
  Pensacola, FL 32509

- For assistance in JST, contact:

NETPDC

Attn: JST Operation Center, N615
6490 Saufley Field Road
Pensacola, FL 32509
Website: https://jst.doded.mil
E-Mail: jst@doded.mil
Fax: (850) 473-6013 or DSN 753-6013

Officers

Add entry to OSR/ODC (PASS ONLY)

Department of the Navy Civilians

Ensure copy of certification is provided to your local Human Resources/N1 (PASS ONLY)

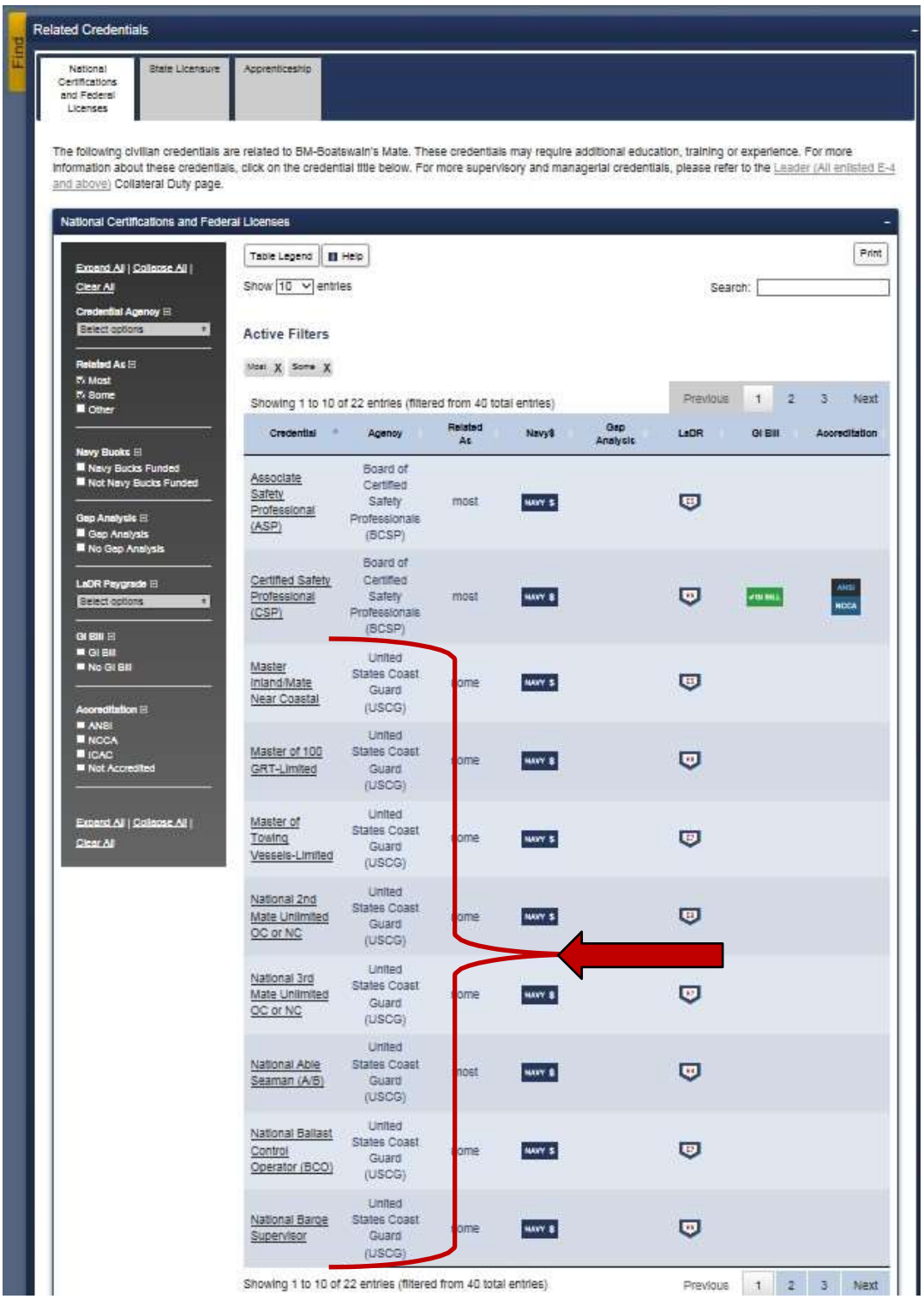
Visual Walkthroughs

Visual Walkthrough to Find a USCG License via Navy COOL

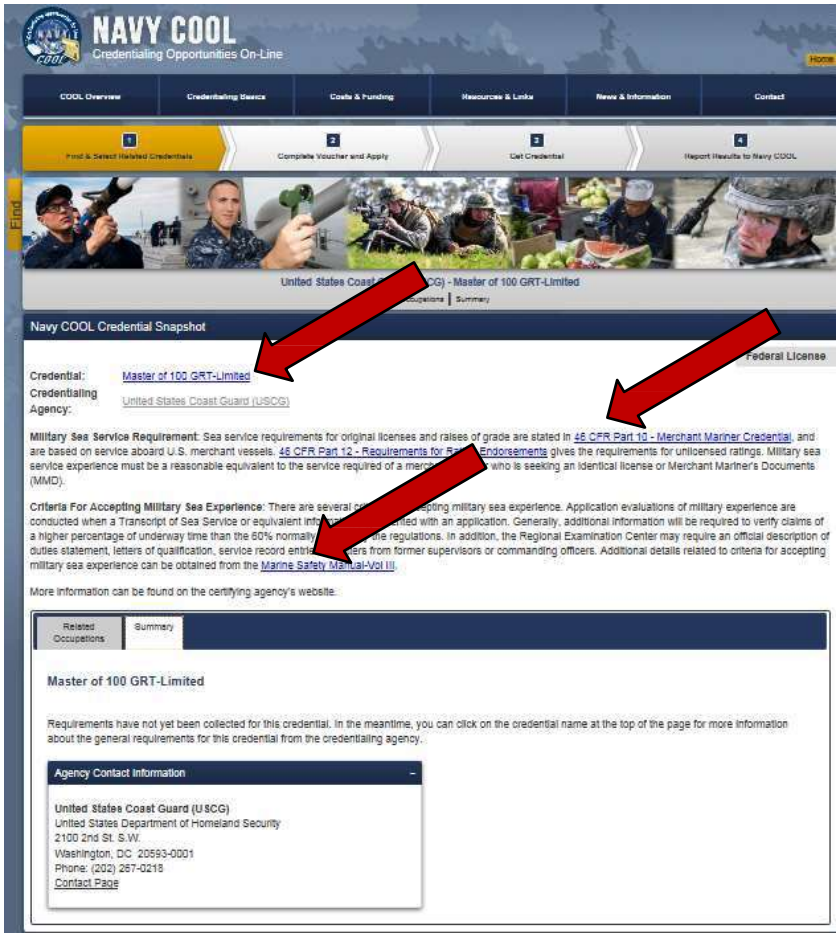
1. Select your Enlisted Rating or Officer Designator

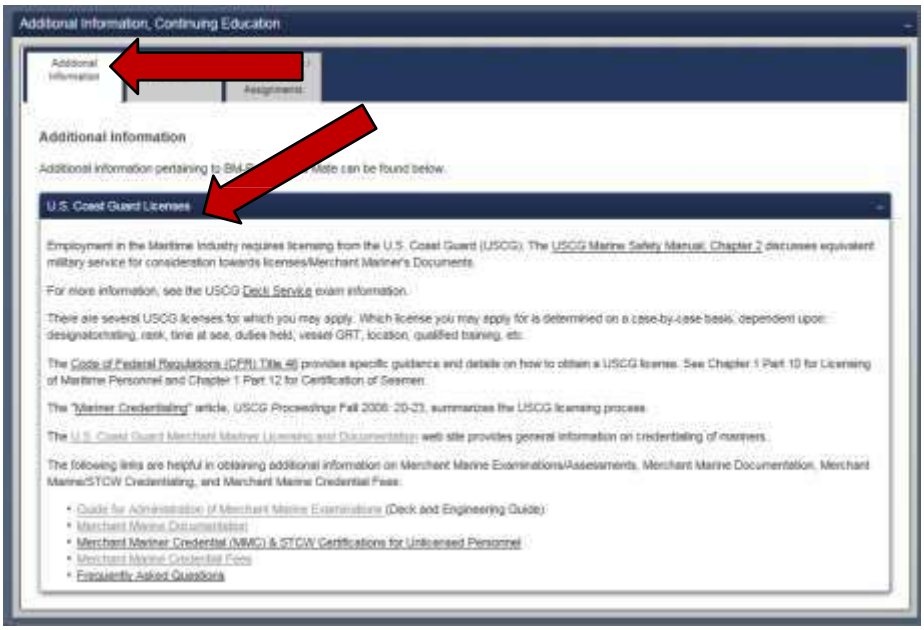
https://www.cool.navy.mil/usn

2. Select a USCG License



3. Research to Ensure Your Eligibility to Meet USCG Requirements





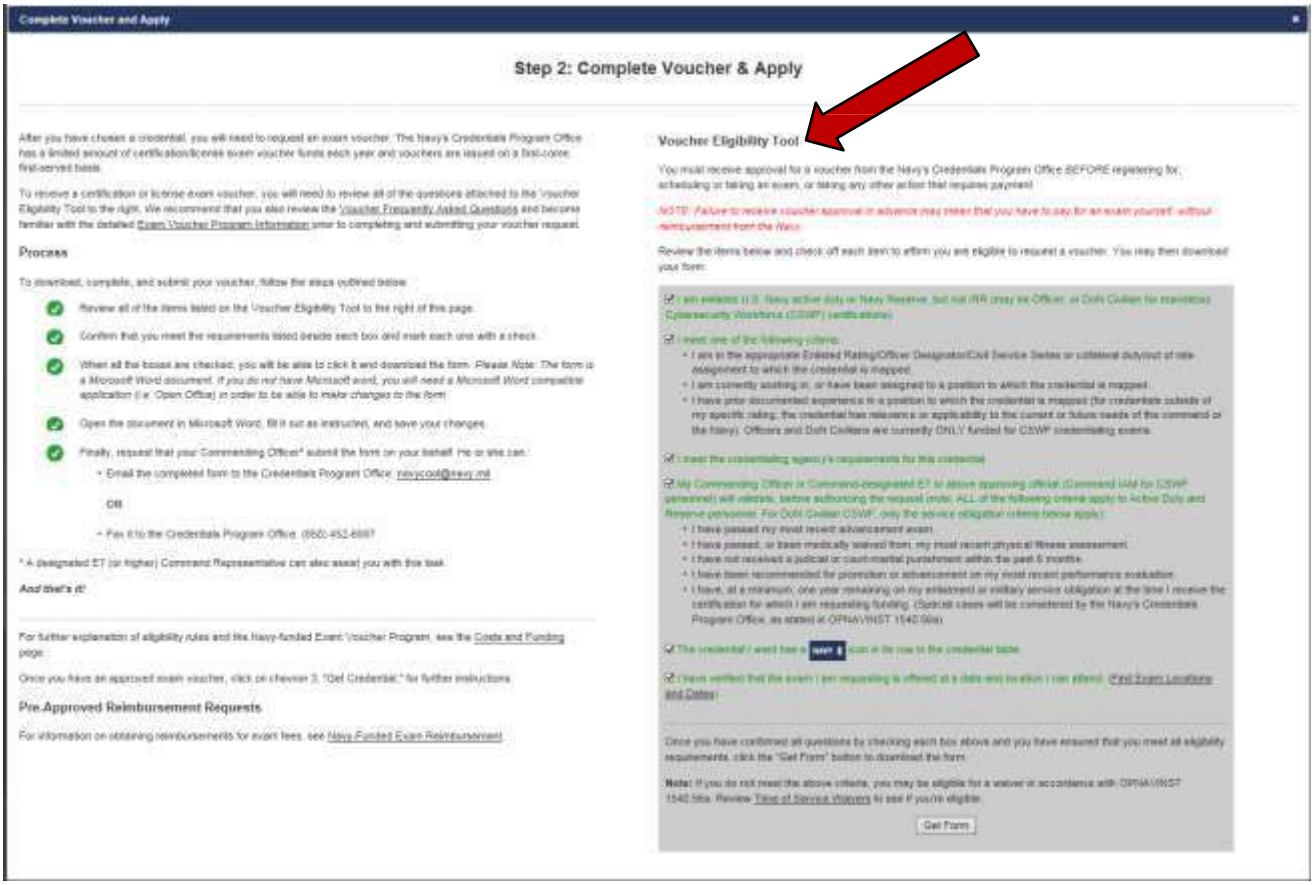
Visual Walkthrough to Get Navy COOL Funding for a USCG License

The following describes the process for eligible **Navy ENLISTED personnel (Active Duty & Reserve)**. Navy COOL funding support is not available for Navy Officers or DON Civilians. Navy Officers and ineligible Navy Enlisted personnel may be able to use their Dept. of VA GI Bill. DON Civilians will have to find other funding means (i.e. out-of-pocket).

1. Select "Complete Voucher and Apply"

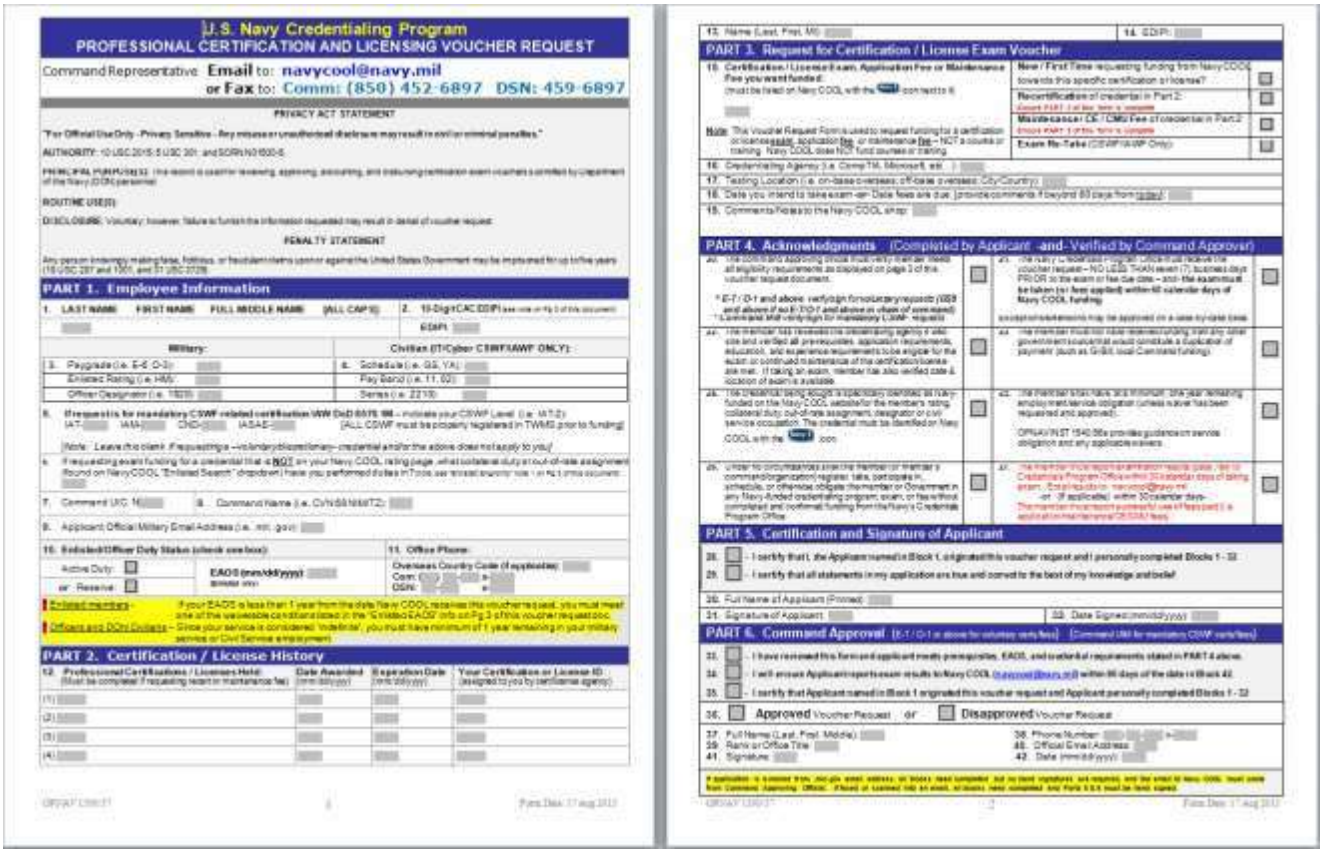
https://www.cool.navy.mil/usn

2. Complete the "Voucher Eligibility Tool"



Acknowledging all checkboxes will allow user to "Get Form"

3. Fill Out and Submit Voucher Request Form



U.S. Navy Credentialing Program
PROFESSIONAL CERTIFICATION AND LICENSING VOUCHER REQUEST

Command Representative: Email to: navycool@navy.mil
or Fax to: Comm: (850) 452-6897 DSN: 459-6897

PART 1. Employee Information

PART 2. Certification / License History

PART 3. Request for Certification / License Exam Voucher

PART 4. Acknowledgments (Completed by Applicant -and- Verified by Command Approver)

PART 5. Certification and Signature of Applicant

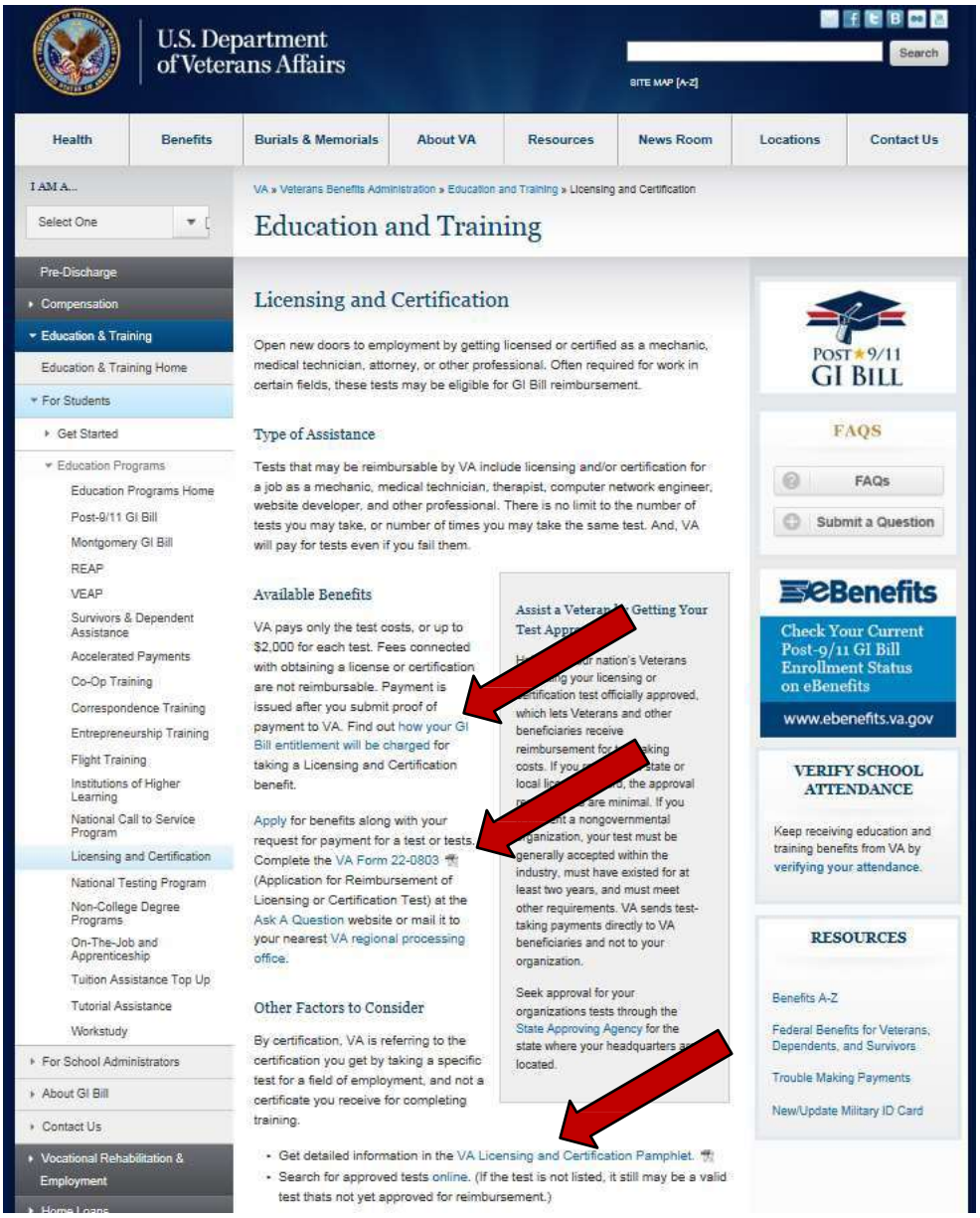
PART 6. Command Approval

Fill out form and submit to Navy COOL (fax or email)

- **If the voucher request is filled out correctly…and the Sailor meets Navy eligibility for Navy COOL funding…and the Sailor meets USCG licensure eligibility:**
  - **Navy COOL will email the Sailor stating their voucher request has been received and has been submitted for funding**
  - **Once the USCG License Application Fee or Exam Fee has been funded, Navy COOL will email the Sailor stating the Application Fee or Exam Fee has been funded and the Sailor may submit their USCG License Application, or register to take the USCG License Exam.**

Visual Walkthrough to Get GI Bill Funding for a USCG License

The following describes the process for eligible Navy Officers and Navy Enlisted personnel to use their VA GI Bill. DON Civilians will have to find other funding means (i.e. out-of-pocket).



http://www.benefits.va.gov/gibill/licensing_certification.asp

Visual Walkthrough to Submit a USCG Application for a USCG License

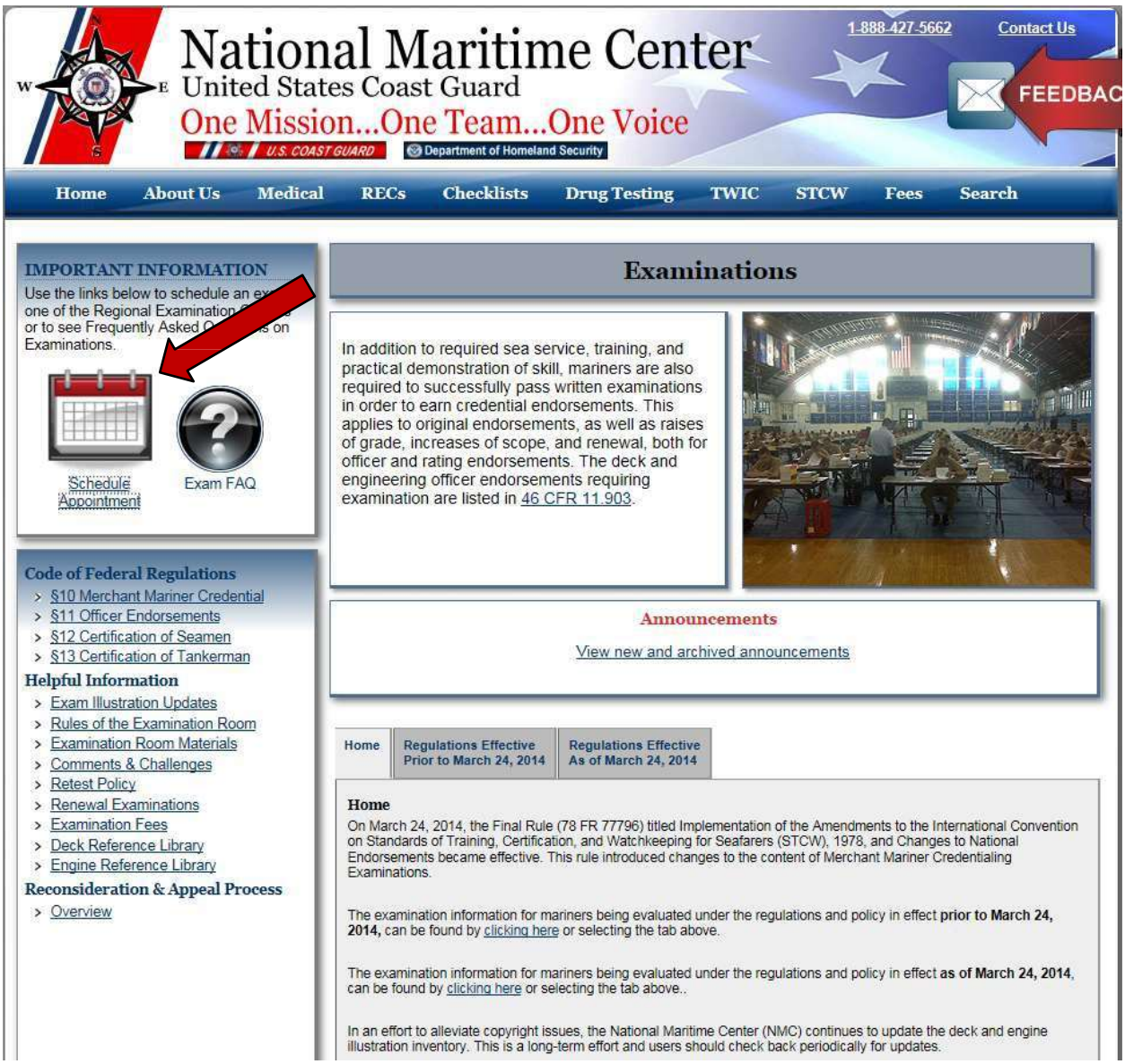
Follow the 7-Step application process described on the NMC website.

https://www.uscg.mil/nmc/recs/e-mail_submit.asp

Visual Walkthrough to Schedule the Exam for a USCG License

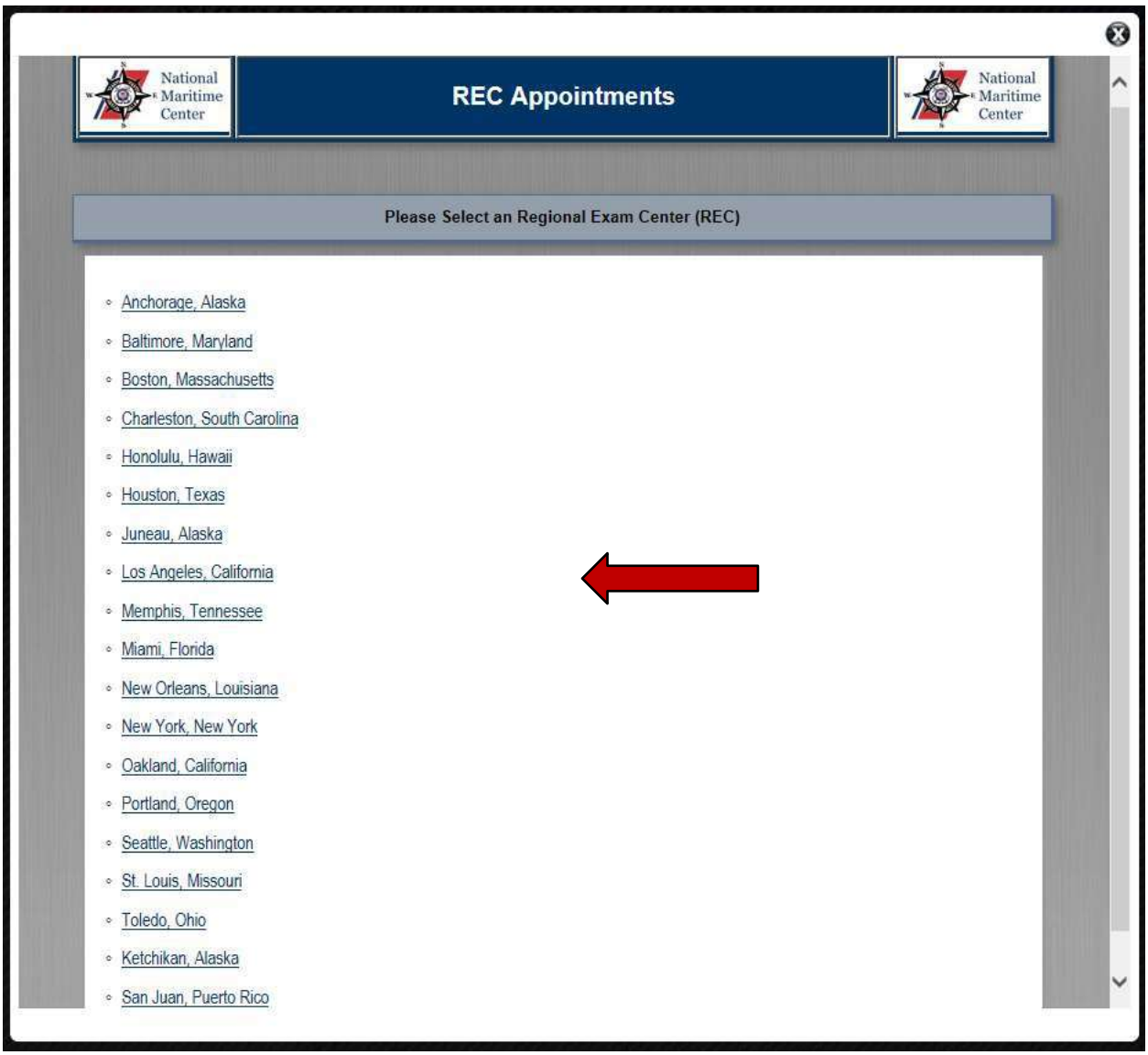
https://www.cool.navy.mil/usn

1. Select "Schedule Appointment"

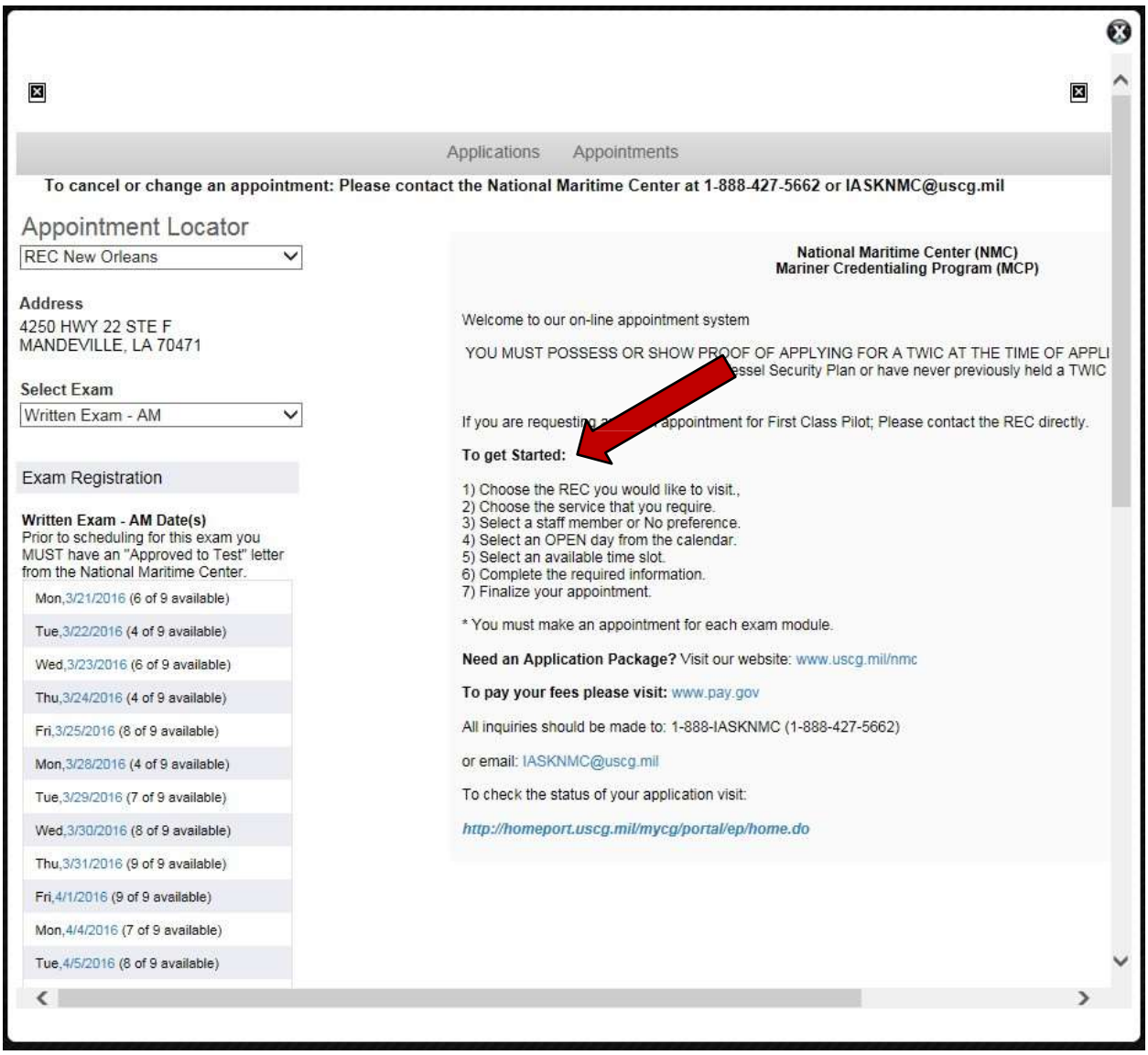


http://www.uscg.mil/nmc/training/exams/default.asp

2. Select and Exam Location



3. Select an Exam and Date

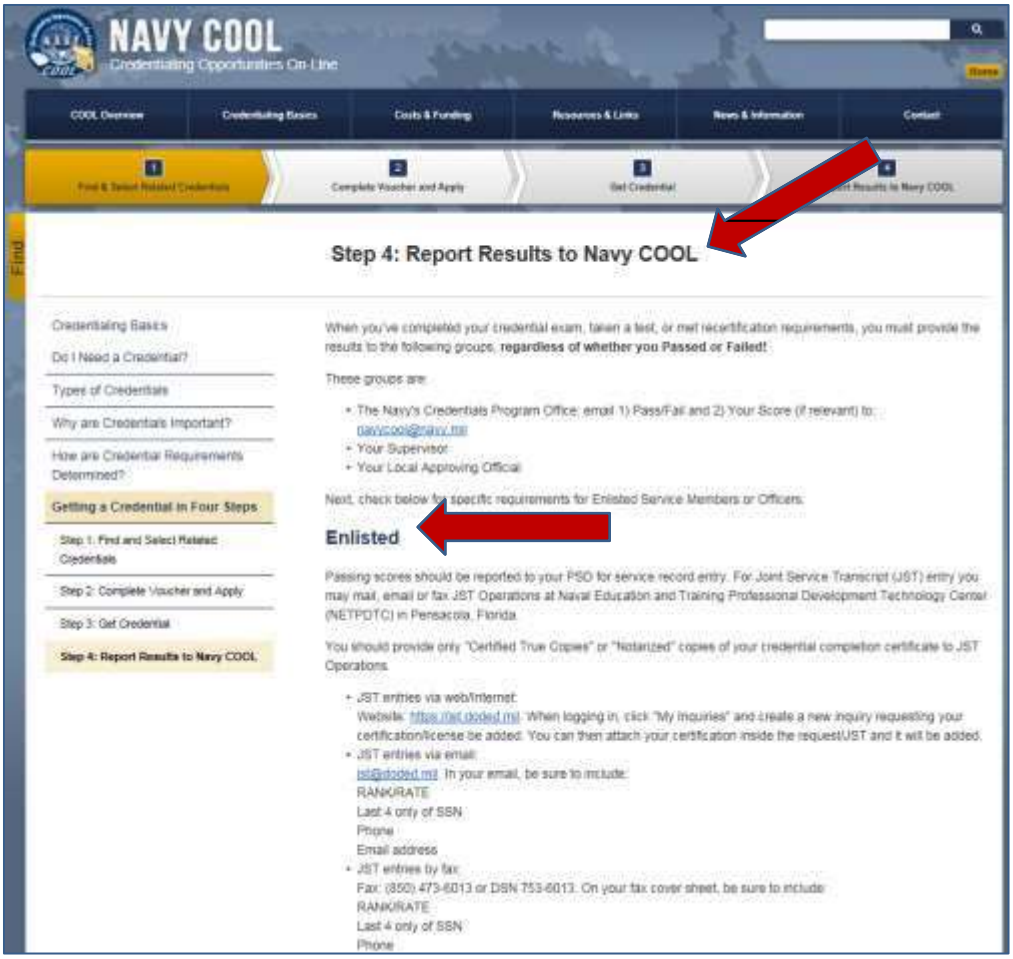


Visual Walkthrough to Report USCG License Exam Results

If your Application or Exam was funded via Navy COOL, you must report your results to Navy COOL so the funding line can be closed.

You do not have to pay back Navy COOL for failed exams. However, if you fail an exam that Navy COOL has funded, Navy COOL cannot fund for that exact same exam again. This does not limit you to seek Navy COOL funding for other credentialing exams.

https://www.cool.navy.mil/usn



NAVY COOL

Credentialing Opportunities On-Line

COOL Overview | Credentialing Basics | Costs & Funding | Resources & Links | News & Information | Contact

1 Find & Select Related Credentials | 2 Complete Voucher and Apply | 3 Get Credential | 4 Report Results to Navy COOL

Find

Step 4: Report Results to Navy COOL

Credentialing Basics

Do I Need a Credential?

Types of Credentials

Why are Credentials Important?

How are Credential Requirements Determined?

Getting a Credential in Four Steps

Step 1: Find and Select Related Credentials

Step 2: Complete Voucher and Apply

Step 3: Get Credential

Step 4: Report Results to Navy COOL

When you've completed your credential exam, taken a test, or met recertification requirements, you must provide the results to the following groups, **regardless of whether you Passed or Failed!**

These groups are:

- The Navy's Credentials Program Office: email 1) Pass/Fail and 2) Your Score (if relevant) to: navycool@navy.mil
- Your Supervisor
- Your Local Approving Official

Next, check below for specific requirements for Enlisted Service Members or Officers.

Enlisted

Passing scores should be reported to your PSD for service record entry. For Joint Service Transcript (JST) entry you may mail, email or fax JST Operations at Naval Education and Training Professional Development Technology Center (NETPDTC) in Pensacola, Florida.

You should provide only "Certified True Copies" or "Notarized" copies of your credential completion certificate to JST Operations.

- JST entries via web/Internet:
  Website: https://jst.doded.mil. When logging in, click "My Inquiries" and create a new inquiry requesting your certification/license be added. You can then attach your certification inside the request/JST and it will be added.
- JST entries via email:
  jst@doded.mil. In your email, be sure to include:
  RANK/RATE
  Last 4 only of SSN
  Phone
  Email address
- JST entries by fax:
  Fax: (850) 473-6013 or DSN 753-6013. On your fax cover sheet, be sure to include:
  RANK/RATE
  Last 4 only of SSN
  Phone
  Email address
- JST entries by mail or hardcopy:
  NETPDTC
  ATTN: JST Operations Center, N615
  6490 Saufley Field Road
  Pensacola, FL 32509
- For assistance in JST, contact:
  NETPDTC
  Attn: JST Operation Center, N615
  6490 Saufley Field Road
  Pensacola, FL 32509
  Website: https://jst.doded.mil
  E-Mail: jst@doded.mil
  Fax: (850) 473-6013 or DSN 753-6013

Officers

Add entry to OSR/ODC (PASS ONLY)

Department of the Navy Civilians

Ensure copy of certification is provided to your local Human Resources/N1 (PASS ONLY)

In most cases, the member must schedule and take the credential exams within 60 calendar days from receipt of your voucher (date the exam was funded). If the member's certification exam process takes longer than 60 days he/she must call or email the Navy's Credentials Program Office (navycool@navy.mil) [(850) 452-6683/6664] to request a time waiver for going beyond the 60 calendar day limit. Vouchers not used in the approved timeframe will be recalled and the member will no longer be authorized to use the voucher.

The exam voucher/funding is non-transferable and may only be used by the individual specifically issued, towards the specific exam that was funded. The member may be subject to administrative and/or disciplinary action if he/she attempts unauthorized use of the voucher.

Contact Information

Contact Information

U.S. Navy Credentials Program Office/Navy COOL

Information Warfare Training Center
640 Roberts Ave
Corry Station, Bldg 502 Rm 104E
Pensacola, FL 32511

Office Hours: M-F, 07:00 – 16:00 CST

(850) 452-6683, 6664, 6324, 6287
DSN: (312) 459-6683, 6664, 6324, 6287
Fax: (850) 452-6897

Email: navycool@navy.mil

U.S. Coast Guard National Maritime Center (NMC)

National Maritime Center
100 Forbes Dr
Martinsburg, WV 25404

Office Hours: 8:00 am -6:00 pm

(888) 427-5662

Email: iasknmc@uscg.mil

The Maritime Administration office which coordinates information on seafaring employment and training

Office of Maritime Workforce Development
U.S. Maritime Administration (MAR 740)
1200 New Jersey Avenue, SE
Washington, DC 20590

Phone: (202) 493-0029

Email: careersafloat@dot.gov

Mariner/Maritime Links of Interest

Links of interest

- Code of Federal Regulations (CFR) Title 46
  - http://www.gpo.gov/fdsys/pkg/CFR-2008-title46-vol1/content-detail.html

- Frequently Asked Questions
  - http://www.uscg.mil/nmc/faq/pdfs/credential_faq.pdf

- Guide for Administration of Merchant Marine Examinations (Deck and Engineering Guide)
  - http://www.uscg.mil/nmc/training/pdfs/deck_and_engineering_guide.pdf

- Maritime Administration (MARAD) – Job Vacancies
  - jobsearch.dot.gov/internalindex.asp

- Maritime Administration (MARAD) – Military to Mariners:
  - http://www.marad.dot.gov/mariners/military-to-mariners/

- "Mariner Credentialing" article, USCG *Proceedings* Fall 2008: 20-23:
  - http://www.uscg.mil/proceedings/archive/2008/Vol65_No3_Fall2008.pdf

- Merchant Marine Credential Fees
  - http://www.uscg.mil/nmc/fees/default.asp

- Merchant Marine Documentation
  - http://www.uscg.mil/nmc/regulations/default.asp?tab=1#TabbedPanels1

- National Maritime Center – Checklists
  - http://www.uscg.mil/nmc/professional_qualifications/default.asp?tab=1#TabbedPanels1

- National Maritime Center - Credential Application Process:
  - http://www.uscg.mil/nmc/credentials/default.asp

- National Maritime Center – Schedule an Appointment
  - http://www.uscg.mil/nmc/training/exams/default.asp

- Navy COOL:
  - https://www.cool.navy.mil/usn

- USCG Deck Service Exam Information:
  - http://www.uscg.mil/nmc/training/exams/

- USCG Marine Safety Manual, Chapter 2:
    - http://www.uscg.mil/directives/cim/16000-16999/CIM_16000_8B.pdf

- USCG Merchant Mariner Licensing and Documentation web site:
    - http://www.uscg.mil/nmc/

Acronyms

Acronyms

ACE – American Council on Education

CANTRAC – Catalog of Navy Training Courses

COOL – Credentialing Opportunities On-Line

DoD – Department of Defense

DON – Department of the Navy

JST – Joint Service Transcript

LADR – Learning and Development Roadmap

MARAD – Maritime Administration

MK – Machinery Technician (USCG)

MM – Machinist's Mate (Navy)

NETPDTC - Naval Education and Training Professional Development Technology Center

NMC – National Maritime Center

NVIC - Navigation and Vessel Inspection Circular

OICEW - Officer in Charge of an Engineering Watch

OSR/ODC - Officer Summary Record / Officer Data Card

PQS – Personnel Qualification System

QMED - Qualified Member of an Engineering Department

RFPEW - Rating Forming Part of an Engineering Watch

STCW - Standards of Training, Certification and Watchkeeping

TWIC - Transportation Worker Identification Credential

USCG – United States Coast Guard

USN – United States Navy

VA GI Bill – U.S. Department of Veterans Affairs Government Issue (GI) Bill

WQS – Watch Qualification System

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Blueprint to Mariner Contributors:

- Office of the Under Secretary for Personnel and Readiness
- Department of the Navy Manpower and Reserve Affairs
- Office of the Chief of Naval Operations
- U.S. Coast Guard
- U.S. Navy's Credentials Program Office / Navy COOL
- U.S. Navy's Surface Warfare Officers School (SWOS)
- Army Transportation School Ft. Eustis VA
- Solutions for Information Design (SOLID)

Blueprint Contributing Documents/ Sources:

- Navy COOL – website
- National Maritime Center - website
- Information Concerning Employment and Training in the U.S. Merchant Marine – U.S. DOT MARAD
- Exploring Maritime Careers Brochure – CWB.org
- The Caseworker's Guide to the Maritime Industry – The Center for Wooden Boats
- Military Ratings to National Merchant Marine Endorsements – MITAGS.org