

TM

The Jumpstart on an Elite Career

High tech, complex cutting edge systems and computers.



TM
Torpedoman's Mate - (Surface)

Torpedoman's Mates (TM) maintain underwater explosive weapons such as torpedoes, rockets and missiles and the systems used to launch them. They are also responsible for the safe loading and unloading, shipping and storage of these weapons.

What They Do

The duties performed by TMs include:

- Maintain and repair torpedo launching systems and system components (surface ships' torpedo tubes, and shipping, loading and unloading systems)
- Ensure the safe stowage of weapons
- Test equipment, using voltmeters, ammeters, meggers and ohmmeters
- Test and replace portable cable, self-contained relays (plug-in), lamps and fuses
- Use technical maintenance publications, drawings, schematics and diagrams to locate and identify components and assemblies of electronic equipment, weapons and torpedo launchers
- Maintain equipment work logs and torpedo record books
- Inventory torpedo components, tools and test equipment, and requisitioning replacements
- Use and care for common hand tools, special tools and soldering equipment
- Perform preventive and corrective maintenance on hydraulic and pneumatic systems and components associated with launching systems
- Interpret color coding to determine values of capacitors and resistors, and tracing internal connections of power and audio transformers, chassis wiring and multi-conductor cables
- Test and replace electronic systems
- Install and remove weapons components from containers
- Secure and reinstall weapons components in containers
- Serve as team member performing inspections and final closeout checks on weapons
- Install and remove torpedo exploder mechanisms
- Check weapons storage, cooling, ventilating, sprinkler, alarm and dewatering systems



Credit Recommendations

The American Council on Education recommends that three semester hour credits be awarded in the vocational certificate or lower-division in DC circuits and one in technical mathematics, baccalaureate/associate degree category.

Qualifications and Interests

TMs should have good manual dexterity with tools, equipment and machines. They should also have good memories, the ability to do detailed work, perform repetitive tasks and keep accurate records. It is helpful if they are curious, resourceful, have a knowledge of arithmetic, a capability for teamwork and a degree of physical strength. TMs must be U.S. citizens eligible for security clearances. Normal color perception is required.

Working Environment

Work in this rating is usually performed in a clean, shop-like environment under close supervision. Depending on individual assignments, TMs may work alone or with others.

Opportunities

Opportunities are excellent for qualified applicants. About 1,300 men and women work in the TM rating.

Related Civilian Jobs—Dept. of Labor Dictionary of Occupational Titles

Instructor, Technical Training
Rocket Engine Component Mechanic
Ordnance Artificer
Ordnance Assembler II
Ordnance Assembler
Inspector (ammunition)
Electronics Mechanic

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Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development.

(School/Present Location/Approximate Training Time/Subjects/Training Methods) Class "A" Technical School/SSC Great Lakes, Ill./9 weeks/Basic technical knowledge and skills of electricity and electronics; operation of torpedoes and launch systems/ Group instruction and self-paced and practical application.

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Class "A" Technical School	SSC Great Lakes, Ill.	9 weeks	Basic technical knowledge and skills of electricity and electronics; operation of torpedoes and launch systems .	Group instruction and self-paced and practical application.

After "A" school, TMs serve on surface craft and tenders, at aviation activities and in torpedo repair shops in the United States or overseas. During a 20-year period in the Navy, TMs spend about 60 percent of their time assigned to fleet units and 40 percent to shore stations.

All personnel now receive sea pay at sea (E-1 to E-9).

Since Navy programs and courses are revised at times, the information contained on this rating card is subject to change.



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