



U. S. Coast Guard Auxiliary



Auxiliary Prevention Outreach Specialist (Previously Marine Environmental Education Specialist) Performance Qualification Standard

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Auxiliary Training Guide

Auxiliary Prevention Outreach Specialist Performance Qualification Standard

Qualification Code: AUX-MEES

This booklet is one section of your personal on the job-training (OJT) manual. It is your OJT guide to qualification as an Auxiliary Prevention Outreach Specialist. It is your responsibility to document completed unit training items.

Auxiliary Verifying Officers shall be experienced and qualified personnel who have demonstrated the ability to evaluate, instruct, and observe other personnel in the performance task criteria. Verifying Officers must be certified in the competencies for which they are to verify and must hold the AUX-MEES qualification or be active duty/reserve personnel who hold an EK qualification. Verifying Officers must enter their title, name, and initials in the Record of Verifying Officers section before making entries in your workbook.

A Verifying Officer shall observe your successful performance of each task and document such with date and initials in the appropriate space provided in this booklet. It may be necessary to perform a task several times. The Verifying Officer will not give credit for any task that is not performed satisfactorily. Simply attending a class does not meet the requirement for demonstrating successful performance.

When all of the items required for this qualification have been completed, submit your PQS and documentation to your DSO-MS who will forward it to your District Director of Auxiliary who in turn will issue your letter of designation and enter it into AUXDATA. **No** item in this qualification may be waived.

Upon successful completion of this performance qualification standard, a person will hold the minimum competencies to act as an Auxiliary Prevention Outreach Specialist providing short duration (8 hour or less) seminars on selected Marine Environmental Protection, Sea Partners and Americas Waterways Watch topics to a wide range of audiences.

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Auxiliary Prevention Outreach Specialist

RECORD OF VERIFYING OFFICERS

Title	Verifying Officer's Name	Initials

RECORD OF MAJOR TASKS COMPLETED

Task Number	Major Tasks	Date Completed
1.0	Knowledge of pollution issues	
2.0	Knowledge of laws and regulations and the Coast Guard's role in pollution prevention	
3.0	Maritime Transportation Security Act	
4.0	America's Waterways Watch	
5.0	Practical application	

RECORD OF COMPLETION

Training Prerequisites	Date	Training Coordinator's Signature
A. Completion of resident training course:		
Sea Partners (<i>Optional but Recommended</i>)		
B. Completion of correspondence courses:		
1. Introduction to Marine Safety and Environmental Protection (IMSEP)		
2. Good Mate Course		
3. Hazardous Materials: A Citizens Guide, FEMA EMI course IS-5		
4.a Hold current USCG Auxiliary Instructor Training (IT) qualification, OR		
b Complete USCG Instructor Development Course		
B. Completion of PQS Workbook.		
C. Successful completion of oral board.		
D. Designation Letter submitted for approval.		
E. Once Designation Letter is signed, enter certification in AUXDATA.		

All qualification requirements have been satisfactory completed by _____

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Auxiliary Prevention Outreach Specialist

References

The following references will aid you in completing the majority of tasking in this PQS.

References:

The following references will aid you in completing the majority of tasking in this manual:

- **Marine Safety Manual Vol. 9** COMDTINST M1600.14 Series, available on line from the Chief Director of Auxiliary website.
- **Good Mate Manual**, available online on the National Auxiliary M Department website.
- **Aquatic Nuisance Species Training Guide**, available on line on the National Auxiliary M Department website.
- **Understanding Water Pollution**, Jennifer Sevin, Officer Snook Water Pollution Program, 7-Dippity, Inc. Coral Gables, FL
- **Environmental Impacts of Recreational Boats**, available form ANSC (order stock # 4035)
- **Hazardous Materials: A Citizens Orientation**, FEMA Emergency Management Institute, course #IS-5.a, available online from the FEMA website.
- **Oil in the Sea III**, National Academy of Science, 2002 Oil in the Sea III is available from the National Academy Press; 2101 Constitution Avenue, N.W., Lockbox 285, Washington, DC 20055; 800-624-6242; available for purchase online at <http://www.nap.edu>
- **Ocean Steward**, United States Coast Guard, Office of the Commandant, Washington, DC, on the National Auxiliary M Department website
- **Maritime Transportation Security Act of 2002**
<http://www.tsa.gov/assets/pdf/MTSA.pdf>
- **33CFR101**
http://www.access.gpo.gov/nara/cfr/waisidx_07/33cfr101_07.html
- **33CFR103**
http://www.access.gpo.gov/nara/cfr/waisidx_07/33cfr103_07.html
- **33CFR104**
http://www.access.gpo.gov/nara/cfr/waisidx_07/33cfr104_07.html
- **33CFR105**
http://www.access.gpo.gov/nara/cfr/waisidx_07/33cfr105_07.html
- **AWW**
http://www.uscg.mil/directives/ci/16000-16999/CI_16618_8.pdf

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Auxiliary Prevention Outreach Specialist

<u>Task Number</u>	<u>AUX-MEES Task</u>	<u>Date Completed</u>	<u>Verifying Officer's Initials</u>
1.0	Knowledge of Pollution Issues		
1.1	Pollution Sources		
	a. Define the difference between point and non-point pollution.	_____	_____
	b. Give example of point and non-point pollution.	_____	_____
	c. Give example of point and non-point in your AOR	_____	_____
	d. Give example of containing or reducing point pollution	_____	_____
	e. Give example of containing or reducing non-point pollution	_____	_____
	f. Give example of containing or reducing man-made pollution	_____	_____
1.2	Marine/Aquatic		
	a. Describe effects of excessive soil on standing water	_____	_____
	b. Give a brief description of an estuary and it's importance to the food chain	_____	_____
	c. What are the results of excess vegetation in the aquatic environment	_____	_____
	d. Flowing water and standing water environments	_____	_____
	e. Define Ghost Fishing	_____	_____
	f. Give example of 2 or more Invasive Species (aquatic and non) in your AOR	_____	_____
	g. Give brief description of results of invasive species both good and bad	_____	_____
	h. What is the importance of wetland	_____	_____
	i. Give a brief description of a Watershed and it's function	_____	_____
1.3	Water Quality Parameters (define each parameter and describe its importance to marine/aquatic environmental quality in your AOR)		
	a. Salinity	_____	_____
	b. pH	_____	_____
	c. Suspended solids	_____	_____

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<u>Task Number</u>	<u>AUX-MEES Task</u>	<u>Date Completed</u>	<u>Verifying Officer's Initials</u>
	d. Temperature	_____	_____
	e. Turbidity	_____	_____
	f. Coliform bacteria	_____	_____
1.4	Pollution and Pollution Mitigations Terms (Define each of the following terms and describe their importance to your AOR)		
	a. Adsorbent/Absorbent	_____	_____
	b. Black-water and Grey-water	_____	_____
	c. Biodegradable	_____	_____
	d. Best Management Practices (BMP)	_____	_____
	e. Emulsion	_____	_____
	f. No Discharge Zone	_____	_____
	h. Photodegradable	_____	_____
	i. Sheen	_____	_____
1.5	Describe the three (3) types of marine sanitation devices (MSDs), including the requirements for various sized vessels, proper use, and operation in coastal/inland areas, no-discharge zones and beyond 3 nm.	_____	_____
1.6	Explain the basic garbage dumping restrictions and placard requirements (33 CFR 151).	_____	_____
1.7	Explain the purpose of the National Response Center, (describe how to report a spill or incident and what information to provide) give the spill reporting number, and describe the reporting requirement.	_____	_____
1.7	Describe restrictions and recommendations when approaching and observing marine mammals in the wild.	_____	_____
1.8	Explain the basic steps a recreational boater should take to prevent the spread of aquatic nuisance species from one body of water to another.	_____	_____

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<u>Task Number</u>	<u>AUX-MEES Task</u>	<u>Date Completed</u>	<u>Verifying Officer's Initials</u>
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2.0 Knowledge of laws and regulations and the Coast Guard's role in pollution prevention

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|-----|--|--|--|
| 2.1 | Demonstrate a basic knowledge and application of environmental protection laws and regulations administered by the US Coast Guard (USCG) and by the US Environmental Protection Agency (USEPA) | | |
| | a. CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) | | |
| | b. CWA (Clean Water Act) | | |
| | c. ESA (Endangered Species Act) | | |
| | d. FWPCA (Federal Water Pollution Control Act) | | |
| | e. MARPOL (International Convention Governing the Prevention of Pollution from Ships) | | |
| | f. MMPA (Marine Mammal Protection Act) | | |
| | g. MPPRCA (Marine Plastic Pollution Research and Control Act of 1987) | | |
| | h. NANPCA (Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990) | | |
| 2.2 | Explain the basic elements of the Coast Guard's role in marine environmental protection: | | |
| | a. Prevention | | |
| | b. Preparedness | | |
| | c. Response | | |
| 2.3 | Describe the purpose of the USCG Ocean Steward, Ocean Guardian and Ocean Protector Strategic Plan and explain how the plan's four strategies are being implemented in your AOR. | | |
| 2.4 | Briefly describe the Coast Guard and Auxiliary's roles in a hazardous materials incident. | | |

3.0 Maritime Transportation Security Act

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|-----|--|--|--|
| 3.1 | What is the Maritime Transportation Security Act of 2002 (MTSA)? | | |
| 3.2 | Describe why MTSA was created | | |

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<u>Task Number</u>	<u>AUX-MEES Task</u>	<u>Date Completed</u>	<u>Verifying Officer's Initials</u>
3.3	Define each and explain its applicability to AWW:		
	a. Captain of the Port (COTP)		
	b. Cruise ship		
	c. Facility		
	d. Ferry		
	e. Foreign vessel		
	f. General shipyard facility		
	g. Infrastructure		
	h. Maritime Security (MARSEC) Level		
	i. MARSEC Level 1		
	j. MARSEC Level 2		
	k. MARSEC Level 3		
	l. Passenger vessel		
	m. Restricted areas		
	n. Secure area		
	o. Sensitive security information (SSI)		
	p. TWIC		
	q. TWIC Program		
3.4	Name 3 marine elements of the of the National Transportation System (33CFR101)		
3.5	What part of the Maritime Security arena does _____ cover?		
	a. 33CFR101		
	b. 33CFR103		
	c. 33CFR104		
	d. 33CFR105		

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<u>Task Number</u>	<u>AUX-MEES Task</u>	<u>Date Completed</u>	<u>Verifying Officer's Initials</u>
3.6	What is the goal of MTSA?	_____	_____
		_____	_____
4.0	America's Waterways Watch		
4.1	Describe why AWW was created	_____	_____
4.2	Describe the purpose of AWW	_____	_____
4.3	List 9 suspicious/behaviors to watch for	_____	_____
4.4	Who can participate in AWW	_____	_____
4.5	Where do AWW missions apply	_____	_____
4.6	Describe the content of COMDTINST 16618.8	_____	_____
4.7	Where is suspicious activity reported?	_____	_____
4.8	If immediate danger to life or property, who do you call?	_____	_____
		_____	_____
5.0	Practical Application		
5.1	Develop and present at least two Marine Environmental training sessions from the list of the following areas		
	a. Sea Partners (general)	_____	_____
	b. Good Mate (Public Education or Member Training)	_____	_____
	c. Clean Marina	_____	_____
	d. Aquatic Nuisance Species	_____	_____
5.2	Participate in, or otherwise support, a shoreline debris cleanup. Alternatively, visit a local marina to identify Best Management Practices and the environmental impacts from poor practices for fueling, sewage handling, potable water systems, vessel repair and safety using a clean marina checklist.	_____	_____
5.3	Develop and present at least two Americas Waterways Watch public education training sessions.	_____	_____
5.4	Participate in an Americas Waterways Watch booth at one of the following venues: Boat Show, public safety day or a marina safety event.	_____	_____

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SAMPLE LETTER OF DESIGNATION

U.S. Department of
Homeland Security

United States
Coast Guard



Command's Name

Street Address
City, State Zip Code
Staff Symbol:
Phone:
Email:

1601
DATE

MEMORANDUM

From: I. M. Frank, CDR
Unit's Name

Reply to
Attn of:

To: M. O. Ore, USCG Auxiliary

Subj: DESIGNATION AS AUXILIARY PREVENTION OUTREACH SPECIALIST

Ref: Auxiliary Prevention Outreach Specialist Performance Qualification Standard
Workbook

1. Congratulations! You have completed all requirements necessary to perform the duties of an Auxiliary Prevention Outreach Specialist. You are authorized to carry out the responsibilities of an Auxiliary Prevention Outreach Specialist within the scope of your qualifications. This is a significant milestone in your professional development and I commend your accomplishments.
2. This Letter of Designation should be retained as part of your personal Training Record and you will be assigned the Auxiliary Prevention Outreach Specialist Qualification Code "AUX-MEES".

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