U. S. Coast Guard Auxiliary

Auxiliary Prevention Outreach Specialist

(Previously Marine Environmental Education Specialist)

Performance Qualification Standard

Revision Date: 05 August 2015

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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. 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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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 (*Optional but Recommended*)		
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**		
4.b Complete USCG Instructor Development Course		
C. Completion of PQS Workbook.		
D. Successful completion of oral board.		
E. Designation Letter submitted for approval.		
F. 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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Task Number	AUX-MEES Task	Date Completed	Verifying Officer's Initials

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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Task Number	AUX-MEES Task	Date Completed	Verifying Officer's Initials
	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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Task Number	AUX-MEES Task	Date Completed	Verifying Officer's Initials

2.0 Knowledge of laws and regulations and the Coast Guard's role in pollution prevention

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

3.1 What is the Maritime Transportation Security Act of 2002 (MTSA)?

3.2 Describe why MTSA was created

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Task Number	AUX-MEES Task	Date Completed	Verifying Officer's Initials
		_____	_____
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	_____	_____

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Task Number	AUX-MEES Task	Date Completed	Verifying Officer's Initials

d. 33CFR105

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 lisof 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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NOTES

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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   Reply to
        Unit's Name   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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