

Auxiliary Uninspected Towing Vessel Examiner (AUX-UTV)



Personal Qualification Standard (PQS) Workbook

Auxiliary Uninspected Tow Vessel Examiner

INTENT

Upon successful completion of this personal qualification, a person will hold the minimum competencies to examine Uninspected Tow Vessels (UTV) and their associated equipment for compliance with the applicable safety regulations in 46 CFR.

Marine Safety and Environmental Protection Training Guide Auxiliary Uninspected Tow Vessel Examiner (AUX-UTV)

This booklet is one section of your personal on the job training (OJT) manual. It is your “on-the-job” guide to qualification as a Auxiliary Uninspected Tow Vessel Examiner. It is your responsibility to document completed unit training items. For OJT, a person already holding this qualification code (called a verifying officer) is to observe you perform each task and sign 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.

Multiple verifying officers may make entries in your manual. Every verifying officer must enter his or her name, rate/rank, signature, and initials in the Record of Verifying Officers section.

When you have completed all of the items required by your command for this qualification, your command will issue a letter of designation.

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

33CFR
46CFR
49CFR
33USC
46USC
NFPA 10

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<i>Task No.</i>	<i>OJT Task</i>	<i>Date Completed</i>	<i>Verifying Officer's Initials</i>
Required Markings & Documents			
UTV1	Official number clearly visible on Interior structural part of hull. 46CFR67.121	_____	_____
UTV2	Review original Cert. Of Doc. (>5 GT) and is properly endorsed. 46CFR67.313(a)	_____	_____
UTV3	Observe vessel with square bow has the name and hailing port clearly displayed and that letters are durable and not less that 4" in height. 46CFR123(b)(d)	_____	_____
UTV4	Ensure vessel has valid radio station and radio operator's licenses or permit. 47CFR80.13 & 47CFR80.405	_____	_____
UTV5	Inquire if vessel inspects towing and terminal gear. Verify by on deck exam. 33CFR164.72 (a)(3); 33CFR164.76	_____	_____
UTV6	Review vessel log of required tests and Inspections. 33CFR164.78(b) & 164.80(a)	_____	_____
UTV7	Review vessel operator(s) license for UTV's >26ft and properly endorsed for vessel and is the original on board. 46CFR15.610; 46USC8904; 46CFR26.20-1(a)	_____	_____
UTV8	Check Logbook for proper manning per the "12 hour rule". 46USC8104(h)	_____	_____
UTV9	On UTV's over 100GT, operating past the Line of Demarcation, determine if the crews possess valid Merchant Mariner Documents. 46USC871(a)	_____	_____
UTV10	Valid Radar endorsement on operator/masters license. If prior to June 1, 1995 operator must hold a Certificate of Radar-Operation course. 46CFR15.815(c)	_____	_____
UTV11	Determine if Operator is aware of Marine Casualty reporting requirements. 46CFR4.05-1	_____	_____
UTV12	Determine if operator is aware of hazardous conditions reporting requirements. 33CFR160.215 & 160.203	_____	_____
UTV13	Determine if company has a chemical testing program and policy posted on board. 46CFR16.205 & 16.201	_____	_____
UTV14	Determine if employee Assistance Program (EAP) educational/ hotline info is posted. 46CFR16.401(a)	_____	_____
UTV15	Determine if all personnel aboard have taken a pre-employment drug test. 46CFR16.210	_____	_____
UTV16	Examine Certificate of Financial Responsibility (COFR)(>300 GT).	_____	_____

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	33CFR138.100; 33CFR138.10-12	_____	_____
UTV17	Review Declarations of Inspection within last month. 33CFR156.150	_____	_____
Navigation Safety			
UTV18	Navigation Publications: >39.4 FT (or COTP Exemption Letter)	_____	_____
	a. Marine charts of areas to be transited. Verify logbook entries. 33CFR164.72(b)(1)	_____	_____
	b. Coast Guard Light List & CG Local Notice to Mariners & USACOE. 33CFR164.72(b)(3)(i)(A)&(B)	_____	_____
	c. Copy of Inland Navigation Rules. 33CFR88.05	_____	_____
UTV19	Navigation Equipment: (Exempt if limited to a specific geographic area.)	_____	_____
	a. Marine Radar 33CFR164.72(a)(2)	_____	_____
	b. Searchlight 33CFR164.72(a)(2)	_____	_____
	c. Two VHF-FM Radios. 33CFR164.72(a)(4) & 26.03	_____	_____
	d. Magnetic Compass (w/light) or Swing Meter. 3CFR164.72(a)(4)	_____	_____
UTV20	Navigation Lights	_____	_____
	a. Navigation side lights fitted w/black screens (>20M/65.6') 33CFR84.09	_____	_____
	b. Determine if bulbs are vertical filament type. UL1104/COLREGS	_____	_____
	c. Towing: two amber towing lights showing stern. 33USC2024(i)	_____	_____
UTV21	Effective whistle and bell (>39.4') 33USC2033	_____	_____
Lifesaving Equipment			
UTV22	Sufficient number of Serviceable CG approved PFDs. 46CFR25.25-5	_____	_____
	a. All lifesaving equipment marked w/CG approval numbers. 46CFR25.25-7	_____	_____
UTV23	Wearable lifesaving equipment readily accessible in staterooms and watch stations. 46CFR25-9(a)	_____	_____
	a. Retroflective material PFD, Buoyant vest, or marine buoyant vest. 46CFR25.25-15	_____	_____

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	b. Work vests CG approved. (CG approval #160.053 & 180.064) 46CFR26.30-1	_____	_____
	c. Work vests stowed separately from PFDs. 46CFR26.30.10	_____	_____
	d. At least one USCG approved ring lifebuoy if >26ft. 46CFR25.25-5(d)	_____	_____
	e. Ring Buoys immediately available to be thrown. 46CFR25.25-9(b)	_____	_____
	f. All required lifesaving equipment in clean serviceable condition. 46CFR25.25-11	_____	_____
 MARPOL Annex V-Garbage Pollution Prevention			
UTV24	MARPOL Placard(s) posted. 33CFR159.7(a)(1)(2)	_____	_____
	a. Review vessels compliance w/disposal of plastics, paper, rags, glass, metal, etc. 46CFR26.50-1, 33CFR151.67	_____	_____
	b. Garbage discharge into U.S. navigable waters prohibited, review vessel records. 33CFR151.63-66	_____	_____
 Marine Sanitation Device			
UTV25	Certified Marine Sanitation Device installed & type I, II or III 33CFR159.7(a)(1)(2)	_____	_____
UTV26	Placard posted with printed operating instructions, safety precautions and warnings pertinent to the device. 33CFR159.50	_____	_____
	a. MSD overboard discharge valve installed, closed and locked for type III. 33CFR159.59	_____	_____
	b. Conduct flush test. 33CFR159.53 (c)	_____	_____
	c. Operable Type I, II, III system. 33CFR159.65	_____	_____
 Fire Fighting Equipment			
UTV27	All required fire extinguishers CG or UL approved. 46CFR25.30-10	_____	_____
	a. All required fire extinguishers have service tag attached. 46CFR25.30-10(d)	_____	_____
	b. Pressurized portable fire extinguishers hydrostatically tested. NFPA 10 & 49CFR173.304(a) & 173.34(e)(18) & 173.309	_____	_____
	c. Minimum number of Portable Fire Extinguishers for UTVs <65' 46CFR25.30-20(a)(1)	_____	_____

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	d. Minimum number of portable fire extinguishers for Motor Vessels. (over 65') 46CFR25.30-20(b)(1)	_____	_____
	e. Additional B-IIs carried in machinery space for each 1,000 B.H.P. of the main engines. 46CFR25.30-20(b)(2)(I)	_____	_____
	f. One B-III or fixed fire extinguishing system in engine room. (>300G.T.) 46CFR25.30-20(b)(2)(II)	_____	_____
	g. Portable fire extinguishers serviced annually by NFPA certified service company or monthly by vessel crew. NFPA 10	_____	_____
Pollution Prevention			
UTV28	Prohibited Discharge Warning Placard (5X8") posted (>26') 33CFR155.450	_____	_____
	a. Machinery or other oil not drained into the bilges. 33CFR155.770	_____	_____
UTV29	100GT & above have a fixed internal oily waste/slop pumping system. 33CFR155.410	_____	_____
	a. At least one pump installed to discharge oily mixtures through a fixed piping system to a reception facility. 33CFR155.410(a)(1)	_____	_____
	b. Required piping system has at least 1 outlet accessible from the weather deck with stop valve and shore connection with MARPOL flange. 33CFR155.410	_____	_____
UTV30	100GT tow vessel, or greater, fuel oil and bulk lubricating oil discharge containment. 33CFR155.320(b)	_____	_____
	OR 5 gal. U.S. capacity bucket or containment available for fuel tank vents. 33CFR155.320(b)(1)(2)	_____	_____
UTV31	Oily mixture (bilge slops)/fuel oil tank ballast water discharges on U.S. non-oceangoing ships. 33CFR155.330	_____	_____
UTV32	250BBLS one crewmember holds a Tankerman "Person-in-Charge" MMD or holds valid master, mate, pilot, engineer, or OUTV license. 33CFR155.710(e)(1); 33CFR155.710(e)(2); 33CFR155.715	_____	_____
UTV33	250BBLS Oil transfer procedures available for transferring to or from the vessel and from tank to tank within the vessel. 33CFR155.720	_____	_____
UTV34	250BBLS contents of Oil Transfer Procedures satisfactory. 33CFR155.750(a)	_____	_____
	a. List of each product transferred to or from the vessel. 33CFR155.750(a)(1)	_____	_____
	b. A description of each transfer system on the vessel including: 33CFR155.750(a)(2)	_____	_____

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	1. A line diagram of the vessel's transfer piping.	_____	_____
	2. The location of the shutoff valve or other isolation device that separates any bilge or ballast system from the transfer system.	_____	_____
	3. A description of and procedures for emptying the discharge containment system required by 33CFR155.310 and 155.320.	_____	_____
	c. The number of persons required being on duty during transfer operations. 33CFR155.750(a)(3)	_____	_____
	d. The duties by title of each officer person in charge, Tankerman, deckhand, and any other person required for each transfer. 33CFR155.750(a)(4)	_____	_____
	e. Procedures and duties assigned for vessel's moorings during the transfer of oil or hazardous material. 33CFR155.750(a)(5)	_____	_____
	f. Procedures for operating the emergency shutdown and communications means required by 33CFR155.780 and 155.785. 33CFR155.750(a)(6)	_____	_____
	g. Person-in-charge must sign Declaration of Inspection. 33CFR155.150	_____	_____
	h. Procedures for topping off tanks and that all valves used during the transfer operations are closed upon completion of transfer. 33CFR155.750(a)(7-8)	_____	_____
	i. Procedures for reporting discharges of oil or HAZMAT into the water. 33CFR155.750(a)(9)	_____	_____
	j. Procedures for operation of vessel openings in 33CFR155.815. 33CFR155.750(a)(10)	_____	_____
General Provisions for Fire Protection on Towing Vessels			
UTV35	Towing vessels affected by this part 46CFR27.100	_____	_____
UTV36	Definitions: 46CFR27.101		
	a. Areas included in Accommodation	_____	_____
	b. Engine room	_____	_____
	c. Existing Towing Vessel	_____	_____
	d. Fixed fire-extinguishing system	_____	_____
	e. Fleeting Area	_____	_____

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f.	New Towing Vessel	_____	_____
g.	Operating Station	_____	_____
h.	Towing Vessel	_____	_____
i.	Work space	_____	_____

Fire Protection Measures for Towing Vessels

UTV37	Requirements for a general alarms 46CFR27.201	_____	_____
UTV38	Requirements for fire detection 46CFR27.203	_____	_____
UTV39	Requirements for internal communication systems 46CFR27.205	_____	_____
UTV40	Requirements for fuel shut-offs 46CFR27.207	_____	_____
UTV41	Requirements for training crews to respond to fires 46CFR27.209	_____	_____
UTV42	Specifications for fuel systems on towing vessels whose construction was contracted on or after January 18,2000. 46CFR27.211	_____	_____
a.	Portable fuel systems	_____	_____
b.	Fuel restrictions	_____	_____
c.	Vent pipes for integral fuel tanks	_____	_____
d.	Fuel piping	_____	_____
	1. Aluminum piping	_____	_____
	2. Nonmetallic flexible hose	_____	_____
	3. Nonmetallic flexible hose complying with SAE J1942	_____	_____
e.	A tow vessel of less than 24 meters (79 feet)	_____	_____

Fire-Suppression Equipment for Tow Vessels

UTV43	Requirements for fire pumps, fire mains, and fire hoses. 46CFR27.301	_____	_____
UTV44	Requirements for fire-extinguishing equipment on towing vessels in inland service and ocean or coastal service whose construction was contracted before August 27, 2003 46CFR27.303	_____	_____
UTV45	Requirements for fire-extinguishing equipment on towing vessels in ocean or coastal service whose construction was contracted on or after	_____	_____

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<i>Task No.</i>	<i>OJT Task</i>	<i>Date Completed</i>	<i>Verifying Officer's Initials</i>
August 27, 2003 46CFR27.305			
General Housekeeping			
UTV46	Living spaces	_____	_____
UTV47	Galley cleanliness and refrigeration	_____	_____
UTV48	Main deck stanchions and chains	_____	_____
UTV49	Fuel tank vents covered w/flame screens & fresh water tanks are covered with bug screens.	_____	_____
UTV50	Machinery space conditions	_____	_____
UTV51	Electrical systems	_____	_____
UTV52	Steering system	_____	_____

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Required Inspections Log for Qualification

Vessel Name/Doc#	Location of inspection	Qualified Examiner/Date

