

# Uninspected Towing Vessel Examiner



## Performance Qualification Standard (PQS) Workbook

## UNINSPECTED TOWING VESSEL (UTV) EXAMINER

Using this Performance Qualification Standard (PQS) workbook will adequately prepare you for becoming an Uninspected Towing Vessel (UTV) Examiner. You should use this PQS in conjunction with the United States Coast Guard Requirements for UTVs (LANTAREAINST 16710.1, Enclosure (1)).

The UTV Examiner PQS workbook is divided into five sections:

**Record of Completion:** This section is used to record when you completed a training tasks. All tasks must be completed prior to receiving a UTV Examiner designation letter from your Command.

**Record of Verifying Officers:** A Verifying Officer (VO) is someone designated by your Command who holds a UTV Examiner qualification and is assigned to observe, instruct, and evaluate your performance in carrying out UTV tasks. Ensure each VO enters their title, full name, and initials in the Record of Verifying Officers section before signing off sections of this PQS.

**References and Recommended Readings:** This section lists all the Coast Guard and maritime industry professional references and reading material you should become familiar with during the course of completing your PQS. Many of the answers in your PQS are addressed in these references. When in doubt as to whether a requirement is applicable, always look it up!

**Examination Tasks:** This section lists detailed tasks you must competently perform for your verifying officer. Next to each task number and task are five columns: one to record the task completion date, one to record verifying officer's initials, checkboxes to mark if item is completed satisfactory or if the task is deferred. VOs are to observe you perform each task before signing their initials in the appropriate space provided in this workbook. VOs may require you to perform a task more than once before signing off; a task shall not be signed off until it has been performed satisfactorily. Your command and VO might defer a task because in the course of your duties you may not examine all types of vessels operating in your port. You are not authorized to examine or perform a deferred task, even after receiving a UTV qualification designation, until that task is signed off by a VO. Remember that VOs must initial the task section for you to be credited for accomplishing the task.

**UTV Examination Log:** Record the date, location, vessel name, inspection type, and team leader assigned with you on the last page of this PQS. Vary your experience by attending vessels operating in different services and under different operators.

Upon completion of all five sections of this PQS workbook, you must be recommended for and successfully pass an oral qualification board. After successful completion of a qualification board, your Unit Training Coordinator should recommend to the Command that you be issued a Letter of Designation, which is required to receive the qualification of Uninspected Towing Vessel Examiner. The Letter of Designation must list and explain your deferred task items. Also, you must ensure that your Unit Training Coordinator enters your qualification into the Coast Guard's Training Management Tool (TMT).

NOTE: This PQS contains standards and regulations currently applicable to uninspected towing vessels. Updated towing vessel inspection regulations will be published in proposed form soon. When effective, this PQS standard will undergo changes to include these new regulations.



### **SECTION III - REFERENCES AND RECOMMENDED READINGS**

#### **CODE OF FEDERAL REGULATIONS (CFR):**

47 CFR Subchapter D, Part 80, Stations in the Maritime Services.

46 CFR Subchapter A, Procedures Applicable to the Public.

46 CFR Subchapter B, Merchant Marine Officers and Seamen.

46 CFR Subchapter C, Uninspected Vessels.

46 CFR Subchapter G, Documentation and Measurement of Vessels.

33 CFR Subchapter E, Inland Navigation Rules.

33 CFR Subchapter H, Maritime Security.

33 CFR Subchapter M, Part 138, Financial Responsibility for Water Pollution (Vessels).

33 CFR Subchapter O, Pollution.

33 CFR Subchapter P, Ports and Waterways Safety.

#### **NAVIGATION AND VESSEL INSPECTION CIRCULARS (NVIC):**

NVIC 02-63, Guide for Inspection and Repair of Lifesaving Equipment.

NVIC 07-68, Notes on Inspection and Repair of Steel Hulls.

NVIC 06-70, Fixed Fire Extinguishing Systems for Use in Galley Ventilating Equipment.

NVIC 07-70, Marine Type Portable Fire Extinguishers.

NVIC 06-72, Guide to Fixed Fire-Fighting Equipment aboard Merchant Vessels.

NVIC 04-82, Uninspected Commercial Vessel Safety.

NVIC 09-82, MSD Certification.

NVIC 12-82, Recommendations on Control of Excessive Noise.

NVIC 16-82, Appeal of Coast Guard Commercial Vessel Decisions and Actions.

NVIC 09-83, Coast Guard Guidance Regarding Requirement for charts and publications.

NVIC 12-83, Intact Stability of Towing and Fishing Vessels; Research Results.

NVIC 07-86, Information on the Adequacy and Currency of Nautical Charts.  
NVIC 13-86, Use of Underwriters Laboratories (UL) Listed Fire Extinguishers.

NVIC 02-89, Guide for Electrical Installations on Merchant Vessels and Mobile Offshore Drilling Units.

NVIC 04-89, Introduction to Human Factors Engineering.

NVIC 05-92, Guidelines for Wire Rope Towing Hawsers.

NVIC 11-93, Applicability of Tonnage Measurement of Tonnage Systems to U.S. Flag Vessels.

NVIC 01-94, Marking of Life Preservers and PFDs.

NVIC 06-94, Guidance for Issuing International Oil Pollution Prevention (IOPP) Certificates under Annex I of the International Convention for the Prevention of Pollution from Ships, 1973, as Modified by the Protocol of 1978 Relating Thereto (MARPOL 73/78).

NVIC 09-94, Guidelines for Training and Certification in the Use of Marine Radar.

NVIC 01-95, Voluntary Training Standards for Entry-Level Personnel on Towing Industry Vessels.

NVIC 09-00 and 09-00, Change 1, Carbon Dioxide Fire Extinguishing System Safety.

NVIC 04-01, Licensing and Manning for Officers of Towing Vessels.

NVIC 10-02 and 10-02 Change 1, Security Guidelines for Vessels.

NVIC 02-03, Carriage of Navigation Equipment by Ships on an International Voyage.

NVIC 04-03 and 04-03 Change 1, 2, and 3, Guidance for Verification of Vessel Security Plans on Domestic Vessels in accordance with the Regulations Mandated by the Maritime Transportation Security Act (MTSA) Regulations and International Ship & Port Facility Security (ISPS) Code.

NVIC 07-04, Ballast Water Management for the Control of the Aquatic Nuisance Species in the waters of the United States.

NVIC 03-07, Guidance for the Implementation of the Transportation Worker Identification Credential (TWIC) Program in the Maritime Sector.

NVIC 02-08, Criteria for Evaluating the Effectiveness of a Crew Endurance Management System (CEMS) Implementation.

**INDUSTRY STANDARDS INCORPORATED BY REFERENCE:**

American Boat and Yacht Council (ABYC) H-25-1986, Portable Fuel Systems for Flammable Liquids.

American Boat and Yacht Council (ABYC) H-33-1989, Diesel Fuel Systems.

American Boat and Yacht Council (ABYC) A-26-1997, Electrical Navigation Lights.

American Petroleum Institute (API) Specification 9A, Specification for Wire Rope, Section 3 , Properties and Tests for Wire and Wire Rope, May 28, 1984.

American Society for Testing and Materials (ASTM) D4268-93, Standard Test Method for Testing Fiber Ropes.

National Fire Protection Association (NFPA) 302-1998, Fire Protection Standard for Pleasure and Commercial Motorcraft.

National Fire Protection Association (NFPA) 750, Standard on Water Mist Fire Protection Systems, 2003 Edition.

National Fire Protection Association (NFPA) 2001, Standard on Clean Agent Fire Extinguishing Systems, 2000 Edition.

Radio Technical Commission for Maritime Services, RTCM Paper 71-95/SC112 STD, recommended Standard for Marine Radar Equipment Installed on Ships of Less Than 300 Tons Gross Tonnage, Version 1.1, October 10, 1995.

Radio Technical Commission for Maritime Services, RTCM Paper 191-93/SC112 X, Recommended Standard for Marine Radar Equipment Installed on Ships of 300 Tons Gross Tonnage and Upwards, Version 1.2, December 20, 1993.

Society of Automotive Engineers (SAE) J1475, 1984, Hydraulic Hose Fitting for Marine Applications.

Society of Automotive Engineers (SAE) J1942-1989, Hose and Hose Assemblies for Marine Applications.

### **OTHER RECOMMENDED READING**

All applicable Coast Guard Commandant, District and Sector Policy Letters (contact your supervisor and/or District Towing Vessel Program Manager for a list and location of policy letters applicable to your Sector and/or District)

The Deckhand's Manual : An Orientation and Training Manual, P.O. Box 343, Titusville, NJ 08560. ([www.deckhandmanual.com](http://www.deckhandmanual.com)).

The American Waterway Operators Responsible Carrier Program, 1995, by The American Waterways Operators, Arlington, VA.

The Primer of Towing, by George H. Reid, Third Edition, 2004.

National Fire Protection Association 10, Standard for Portable Firefighting Extinguishers, 2007/2009 edition.

National Fire Protection Association 12, Standard on Carbon Dioxide Extinguishing Systems, 2008 edition.

U.S. Coast Guard Regulations for Uninspected Towing Vessels Regulations Handbook, 6<sup>th</sup> edition, 2009, by Michael W. Rushing, Todd M. Rushing, and Frederik A. Nyhuis, Jr.

**SECTION IV – EXAMINATION TASKS (GENERAL)**

<u>Task Number</u>	<u>UTV Examiner Tasks</u>	<u>Completed Date</u>	<u>Defer</u>
CD01	Review vessel documents listed in MISLE and papers, and state if each is valid or expired.		
CD04	Discuss scope of examination with owner's representative.		
CD05	Understand CG-2692 submittal requirement for reportable marine casualties.		
CD08	Review any outstanding MISLE inspection notes and outstanding deficiencies, and determine if other deficiencies exist.		
CD12	Review Drug and Alcohol Program documentation per 46 CFR 16.		
CD14	Verify validity of the Certificate of Financial Responsibility with NPFC.		
CD16	Examine annual firefighting and lifesaving equipment certificates/tags.		
CD19	Examine USCG Certificate of Documentation or State registration.		
CD20	Examine and demonstrate knowledge of Crew Licensing and Merchant Mariner Documentation (MMD).		
CD21	Demonstrate knowledge of potential hazardous conditions and appropriate action.		
CD22	Draft a COTP order and initiate an Operational Control.		
CD23	Review documentation to ensure FCC compliance.		
CD24	Demonstrate knowledge of the Safety Management System.		
CD25	Demonstrate knowledge of the UTV risk-based decision making targeting matrix.		
CD26	Determine applicability of MARPOL regulations/annexes.		
CD27	Determine applicability of SOLAS regulations.		
DD10	Examine draft marks.		
DD11	Examine load line.		
DD29	Conduct examination of internal spaces and structures.		
DD33	Demonstrate knowledge of confined space entry protocol.		
DD34	Demonstrate knowledge of load line requirement for towing vessel, as applicable.		
DD35	Examine freeing ports and scuppers.		

<u>Task Number</u>	<u>UTV Examiner Tasks</u>	<u>Completed Date</u>	<u>Defer</u>
ED03	Review logbook and ensure entries for tests and drills have been made.		
EE04	Examine EPIRB.		
EE05	Examine and test the general alarm system.		
FF02	Examine fixed high pressure CO2 system.		
FF06	Examine Halon/alternative agent systems.		
FF08	Examine semi-portable fire fighting equipment.		
FF09	Examine portable firefighting equipment.		
FF13	Witness operational test of fire detection system.		
FF25	Determine amount, type and location of fire protection equipment required.		
FF26	Examine fire main, fire stations, or portable fire pump.		
FP05	Determine appropriate watch standing for vessel's route.		
GT01	Verify ground tackle and related equipment is in satisfactory condition.		
GT04	Examine mooring/towing system and equipment.		
LS01	Determine amount/type of lifesaving equipment required.		
LS04	Examine life preservers.		
LS06	Examine ring buoys.		
LS08	Examine immersion suits.		
LS17	Examine lifefloats and buoyant apparatus.		
LS18	Examine inflatable liferaft installations.		
LS22	Ensure work vests are serviceable and stowed separately from required other lifesaving equipment.		
MI42	Witness the operation of the steering gear assembly.		
MI43	Examine the main diesel installation and assembly.		
MI44	Examine fuel oil service and transfer system.		
MI45	Examine stern tube packing gland for excessive leaks.		
NS10	Examine navigation, signal lights and day shapes.		
NS19	Ensure Automatic Identification System (AIS) is installed and operating properly.		
NS21	Ensure Electronic Chart Display and Information System (ECDIS) is operating properly if installed.		
NS22	Verify compliance with bridge resource management policy and procedures.		
NS23	For single screw vessels, test internal communication where applicable.		

<u>Task Number</u>	<u>UTV Examiner Tasks</u>	<u>Completed Date</u>	<u>Defer</u>
NS24	Witness proper operation of radar and verify compliance with all applicable RTCM standards.		
NS25	Examine magnetic compass or swing meter (if applicable).		
NS26	Ensure required depth sounding equipment is operable.		
NS27	Ensure proper operation of radio equipment and required FCC log.		
NS28	Examine signaling devices and ensure proper whistle/horn installed and operable.		
NS29	Examine navigation publications and charts covering area of operations.		
NS30	Verify proper operation of vessel search light.		
NS31	Ensure electronic fixing position devices are provided and operational as required.		
NS32	Verify underway tests and inspections of gear as required.		
NS33	Demonstrate knowledge of navigation safety equipment maintenance failure and reporting.		
NS34	Examine GMDSS for vessels conducting international voyages (SOLAS).		
NS35	Examine 9 GHz radar transponder (SART) for vessels conducting international voyages (SOLAS).		
NS36	Examine emergency source of power for radio for vessels conducting international voyages (SOLAS) >300GT (ITC)		
PP01	Examine pollution prevention equipment and documentation for a non tank vessel.		
PP03	Examine pollution prevention equipment and documentation in machinery spaces.		
PP07	Conduct an IOPP boarding and survey, and verify that required equipment is on board and in proper working order on a non-tank vessel.		
PP09	Verify MARPOL V compliance.		
PP11	Examine slop tank arrangement.		
PP15	If installed, ensure that MSD requirements are met.		
PP16	Determine MARPOL Annex VI applicability and verify compliance, if applicable.		
PP17	Determine when ballast water management is required and examine ballast water management plan, if applicable.		
ST02	Examine stability letter, if applicable.		

<u>Task Number</u>	<u>UTV Examiner Tasks</u>	<u>Completed Date</u>	<u>Defer</u>
WI01	Examine watertight doors.		
WI03	Test power-operated watertight doors from local and remote control units.		
WI04	Examine required watertight bulkhead penetrations.		
WI06	Examine required remote-operated valves and controls.		
WI08	Examine port light covers.		

**The following PQS tasks apply to MTSA regulated towing vessels exclusively.**

<u><i>Task Number</i></u>	<u><i>UTV Examiner Tasks</i></u>	<u><i>Completed Date</i></u>	<u><i>Defer</i></u>
SD01	Verify that the Vessel Security Plan (VSP) is approved (onboard manned vessels).		
SD02	Verify that a Marine Safety Center (MSC) letter accompanies the approved security plan.		
SD03	Verify that an acknowledgment letter from the Marine Safety Center (MSC) accompanies a security plan that is under review, if applicable.		
SD04	Verify that a copy of an approved Alternative Security Program (ASP) is available for inspection, if applicable.		
SD05	Verify that the ASP includes a letter from the owner or operator certifying which ASP is in use and that the vessel is in compliance with that plan.		
SD06	If required, verify that the vessel's security assessment report and approved ASP is on site.		
SD07	If required, determine whether the ASP involves joint facility and vessels.		
SD10	Verify the International Ship Security Certificate (ISSC) was issued within the last 5 years for U.S. SOLAS Vessels.		
SD11	Examine waiver letter and verify that any conditions expressed in the letter are implemented, if applicable.		
SD12	Examine the waiver approval letter from G-543 for any equivalencies that may exist.		
SD13	Identify whether equivalencies are noted in the amendments to the security plan.		
SD14	For SOLAS vessels, review the vessel's Continuous Synopsis Record (CSR).		
SD15	Determine validity and accuracy of crew documents and TWIC.		
SD17	If applicable, verify requirements for international voyages.		
SD18	Identify the Company Security Officer (CSO).		
SD19	Identify designated alternate security officers, if applicable.		
SD20	Determine the effectiveness of communications arrangements between the CSO and designated alternates.		
SD21	Identify the Vessel Security Officers (VSO).		
SD22	Confirm whether the VSO qualifications are consistent with requirements.		

SD23	Conduct interviews to determine competency of security personnel.		
SD24	Determine adequacy of security procedures by observing and testing.		
SD25	Verify that the vessel security organization is published.		
SD26	Identify what MARSEC directive has been issued for the port.		
SD27	Determine whether the vessel has received a copy of the current directive.		
SD28	Verify that the vessel has effective and adequate security measures for each MARSEC level and directive that is issued and has implemented such measures.		
SD29	Select a security drill at random.		
SD30	Develop a scenario for the drill selected, if appropriate.		
SD31	Review the procedures contained in the vessel's security plan for conducting drills and scenarios.		
SD32	Discuss the details of the drill with the VSO prior to beginning the drill.		
SD33	Review the drill log for the best practices and lessons learned from previous drills conducted.		
SD34	Critique the drill upon completion with the VSO.		
SD35	Determine whether security deficiencies exist with the approved VSP/ASP after the drill.		
SD36	Submit VSP/ASP deficiencies in writing to owner/operator.		
SD37	Verify vessel has conducted exercises and identify whether the vessel has proof of participation in the Area Maritime Security Exercise if applicable.		
SD38	Review security records for training, drills, exercises, security threats, and equipment maintenance.		
SD39	Determine whether security records are protected against unauthorized access and disclosure.		
SD40	Review internal and external communication records relating to ship security.		
SD41	Review maintenance, calibration, and testing of security equipment including Ship Security Alert System.		
SD42	Review Declarations of Security (DOS), if applicable.		
SD43	Review internal audits.		
SD44	Review auditor's qualifications.		
SD45	Review security incident procedures.		
SD46	Determine the adequacy of procedures for requesting and handling a Declaration of Security.		

SD47	Observe the vessel's operation to ensure compliance with a Declaration of Security.		
SD48	Verify that the Declaration of Security has not exceeded the required time periods.		
SD49	Determine whether the security sweep was in accordance with the company's security plan.		
SD50	Determine whether the sweep adhered to the locally issued MARSEC directives.		
SD51	Determine whether the vessel had implemented any alternatives documented in the security plan.		
SD52	Determine whether these alternatives are allowable by the regulations and provide an equivalent amount of security for the vessel.		
SD53	Determine whether the vessel is in noncompliance with their security plan.		
SD54	Advise the Captain of the Port of findings, if applicable.		
SD55	Issue a requirement to suspend, restrict, or continue operations, if applicable.		
SD56	Receive enforcement decision from Captain of the Port.		
SD57	Advise master of enforcement actions.		
SD58	Complete MISLE case documentation.		

## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
CD01	Review vessel documents listed in MISLE and state if each is valid or expired.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
CD04	Discuss scope of inspection with owner's representative. Decide on general sequence of inspection.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
CD05	Understand CG-2692 reporting requirements for reportable marine casualties and ensure operator is aware of reporting requirements.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
CD08	Review any outstanding MISLE inspection notes and outstanding deficiencies, and determine if other deficiencies exist.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
CD12	Review Drug and Alcohol Program documentation per 46 CFR 16: <ul style="list-style-type: none"> <li>• Employee Assistance Program</li> <li>• Annual Program Audits</li> <li>• Records</li> <li>• Types of chemical testing conducted</li> <li>• Capability of alcohol testing within 2 hrs.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
CD14	Verify validity of the Certificate of Financial Responsibility with NPFC.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
CD16	Examine annual firefighting and lifesaving equipment certificates/tags.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____







## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
CD25	Demonstrate knowledge of the UTV risk-based decision making targeting matrix.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
CD26	Determine applicability of MARPOL regulations / annexes as they pertain to individual vessels.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
CD27	Determine applicability of SOLAS regulations as they pertain to individual vessel's keel laid date. <ul style="list-style-type: none"> <li>• Determine applicability by chapter.</li> <li>• Describe what an "All Ships" cite is.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____
DD10	Examine draft marks (placement of marks consistent with stability letter and properly scribed).	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
DD11	Examine load lines (placement of marks consistent with load line certificate and properly scribed).	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
DD29	Conduct examination of internal spaces and structures for fractured welds, fractured structural members, coating failure, deterioration, and buckled or distorted structure. <ul style="list-style-type: none"> <li>• Marine Chemist Certificate and OSHA Competent person log required for confined space entry</li> <li>• Deck beams, underdeck longitudinals, deck girders</li> <li>• Side and bottom longitudinals</li> <li>• Center vertical keel and keelsons frames, stiffeners, and brackets</li> <li>• Hatch covers.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
DD33	Demonstrate knowledge of confined space entry protocol.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____

## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
DD34	Demonstrate knowledge of load line requirement for towing vessel, as applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
DD35	Examine freeing ports and scuppers.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
ED03	Review logbook and ensure entries related to tests and drills have been made. <ul style="list-style-type: none"> <li>• Underway tests</li> <li>• Fire Drills</li> <li>• General alarm bell tests</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____
EE04	Examine EPIRB. <ul style="list-style-type: none"> <li>• Right type</li> <li>• Operative</li> <li>• Stowed properly</li> <li>• Tested as frequently and in manner required by regulations</li> <li>• Battery still within date.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____
EE05	Test and examine the general alarm system. <ul style="list-style-type: none"> <li>• Contact makers located in accordance with applicable regulations</li> <li>• General alarm bells located in accordance with applicable regulations</li> <li>• Sound levels produced meet the minimum criteria required by regulations (is it loud enough)</li> <li>• Any of the alarm bells inoperative</li> <li>• Visual signals installed in areas of high ambient noise level</li> <li>• Contact makers and general alarm bells marked in accordance with regulations.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____



## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
FF13	Witness operational test of fire detection system. <ul style="list-style-type: none"> <li>• System serviceable</li> <li>• All sensors free of obstructions and functioning</li> <li>• Alarms and indicators functioning correctly</li> <li>• Required instructions and diagrams provided</li> <li>• Markings correct</li> <li>• System has a PE or classification society approval letter.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____
FF25	Determine amount, type and location of fire protection equipment required.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
FF26	Examine fire main, fire stations, or portable fire pump.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
FP05	Determine appropriate watch standing for vessel's route.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
GT01	Verify ground tackle and related equipment is in satisfactory condition. <ul style="list-style-type: none"> <li>• Anchors</li> <li>• Chain</li> <li>• Winch and foundations</li> <li>• Anchor chain stoppers</li> <li>• Anchor handling davits.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____
GT04	Examine mooring/towing system and equipment. <ul style="list-style-type: none"> <li>• Structurally sound bits, cleats, fairleads and winches</li> <li>• Adequately sized and serviceable lines and wires.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____
LS01	Determine amount and type of lifesaving equipment required.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____

## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
LS04	Examine life preservers. <ul style="list-style-type: none"> <li>• Properly equipped with lights, whistles and reflective tape</li> <li>• Approved for intended service</li> <li>• Sufficient serviceable units aboard and properly stowed</li> <li>• Properly marked.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____
LS06	Examine ring buoys. <ul style="list-style-type: none"> <li>• Approved for intended service</li> <li>• Properly colored and marked</li> <li>• Correctly equipped with waterlights and line</li> <li>• Serviceable</li> <li>• Sufficient number of ring buoys aboard.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____
LS08	Examine immersion suits. <ul style="list-style-type: none"> <li>• Equipped as required and serviceable</li> <li>• Sufficient number of units aboard and properly stowed.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
LS17	Examine lifefloats and buoyant apparatus. <ul style="list-style-type: none"> <li>• Stowed in accordance with applicable regulations, using proper method of securing and float free link</li> <li>• Water lights and reflective tape are installed as required</li> <li>• Body of unit in good condition, life ropes, netting and painter line in serviceable condition</li> <li>• Marked in accordance with applicable regulations</li> <li>• Required equipment provided.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____



## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
MI44	Examine fuel oil service and transfer system (if the following exist, it may constitute a hazardous condition): <ul style="list-style-type: none"> <li>• Determine condition of piping and manifolds</li> <li>• Witness operation of remote operated fuel oil shut off</li> <li>• Ensure no excessive fuel oil leakage exists</li> <li>• Determine condition of fuel oil tank vent lines and flame screens.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____
MI45	Examine stern tube packing gland for excessive leaks.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
NS10	Examine navigation, signal lights and day shapes. <ul style="list-style-type: none"> <li>• Lights properly functioning</li> <li>• Properly functioning navigation light indicator panel</li> <li>• Proper lights installed for vessel's length, use &amp; propulsion</li> <li>• Lights properly positioned to show correct arcs of visibility</li> <li>• All lights are operable and showing proper intensities/colors</li> <li>• Proper number of ball, cone, diamond day shapes onboard</li> <li>• If dive vessel, ALPHA flag onboard (rigid).</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
NS19	Ensure Automatic Identification System (AIS) is installed and operating properly. <ul style="list-style-type: none"> <li>• Self-propelled vessels &gt; 65', commercial service, on international route</li> <li>• UTV <math>\geq 26'</math> 600hp VTS ports</li> <li>• SOLAS passenger vessels &gt; 150 GT</li> <li>• SOLAS tankers, any GT</li> <li>• SOLAS other vessels &gt; 300 GT</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____

## SECTION IV - EXAMINATION TASKS (DETAILED)

<u>Task Number</u>	<u>Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>	<u>Complete</u>	<u>Deferred</u>	<u>Comments About Deferment</u>
NS19 (cont)	<ul style="list-style-type: none"> <li>• Certain vessels operating in areas with VTS</li> <li>• Receives and transmits proper info to vessels and shore facilities.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
NS21	Ensure Electronic Chart Display and Information System (ECDIS) is operating properly if installed. <ul style="list-style-type: none"> <li>• Suitable back-up means ( i.e. charts)</li> <li>• Ensure proper scale of detail is available for area of operation (zoom in until required navigational details are shown)</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____
NS22	If applicable, verify compliance with bridge resource management policy and procedures. <ul style="list-style-type: none"> <li>• Number of qualified individuals on watch.</li> <li>• Duties of watch personnel clear</li> <li>• Duties to ensure watch personnel are not fatigue.</li> <li>• Equipment used to perform duties.</li> <li>• Action required to remove distractions and non-essential equipment on the bridge.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
NS23	For single screw vessels, test internal communication where applicable. Verify control systems and ensure means of internal communication between the engine room and operating station.  For SOLAS (All Ships), test means to communicate heading information to the emergency steering position, if provided.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____







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NS33	Demonstrate knowledge of navigation safety equipment maintenance failure and reporting and procedures for requesting deviation and authorization to proceed.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____
NS34	Examine GMDSS for vessels conducting international voyages (SOLAS).>300GT (ITC): <ul style="list-style-type: none"> <li>• Verify safety radio certification is valid &amp; GMDSS compliant for applicable sea area</li> <li>• Review radio log</li> <li>• Verify receipt of MSI messages</li> <li>• Verify MMSI display on DSC radios matches vessel documentation</li> <li>• Inspect additional radio equipment for area of operation</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
NS35	Examine 9 GHz radar transponder (SART) for vessels conducting international voyages: <ul style="list-style-type: none"> <li>• State requirement for vessels &gt; 300 GT ITC and &lt; 500GT (ITC)</li> <li>• Ensure stowed so to be rapidly placed in survival craft, or stowed in survival craft.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____
NS36	Examine emergency source of power for radio for vessels conducting international voyages (SOLAS) >300GT (ITC): <ul style="list-style-type: none"> <li>• Independent of ship's power system</li> <li>• One- or six-hour time duration</li> <li>• Examine battery system</li> <li>• Examine battery charger</li> <li>• Verify battery room properly ventilated.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____









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WI03	Test power-operated watertight doors from local and remote control units.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
WI04	Examine required watertight bulkhead penetrations. <ul style="list-style-type: none"> <li>• Penetrations properly sealed to maintain watertight integrity through use of devices such as stuffing tubes</li> <li>• Sealant used, if stuffing tubes are employed, is non-flammable product designed for such use and is approved.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
WI06	Examine required remote-operated valves and controls. <ul style="list-style-type: none"> <li>• Each valve identified as to function either by tag affixed to handle or by independent means</li> <li>• Each valve adequately lubricated and freely operated</li> <li>• Reach rods and other manual remote control mechanisms function properly</li> <li>• Each power-operated valve can be operated from control stations</li> <li>• An adequate means of control is provided to secure valves on fuel and lube oil lines to prevent pollution incident.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
WI08	Examine port light covers. <ul style="list-style-type: none"> <li>• Port lights at the main deck level have a cover installed</li> <li>• Dogs free on each shutter</li> <li>• Shutters restricted in their movement from stowed-to-closed position.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____

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SD01	Verify that the Vessel Security Plan (VSP) is approved (onboard manned vessels).	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD02	Verify that a Marine Safety Center (MSC) letter accompanies the approved security plan.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD03	Verify that an acknowledgment letter from the Marine Safety Center (MSC) accompanies a security plan that is under review, if applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____
SD04	Verify that a copy of an approved Alternative Security Program (ASP) is available for inspection, if applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD05	Verify that the ASP includes a letter from the owner or operator certifying which ASP is in use and that the vessel is in compliance with that plan.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____
SD06	If required, verify that the vessel's security assessment report and approved ASP is on site.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD07	If required, determine whether the ASP involves joint facility and vessels.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
SD10	Verify the International Ship Security Certificate (ISSC) was issued within the last 5 years for U.S. SOLAS Vessels.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD11	Examine waiver letter and verify that any conditions expressed in the letter are implemented, if applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____

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SD12	Examine the waiver approval letter from CG-543 for any equivalencies that may exist.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD13	Identify whether equivalencies are noted in the amendments to the security plan.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD14	For SOLAS vessels, review the vessel's Continuous Synopsis Record (CSR).	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD15	Determine validity and accuracy of crew documents and TWIC cards.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD17	If applicable, verify requirements for international voyages.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD18	Identify the Company Security Officer (CSO).	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD19	Identify designated alternate security officers, if applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD20	Determine the effectiveness of communications arrangements between the CSO and designated alternates.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD21	Identify the Vessel Security Officers (VSO).	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____























## SECTION IV - EXAMINATION TASKS (DETAILED)

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SD34	Critique the drill upon completion with the VSO.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
SD35	Determine whether security deficiencies exist with the approved VSP/ASP after the drill.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD36	Submit VSP/ASP deficiencies in writing to owner/operator.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____
SD37	Verify vessel has conducted exercises and, if applicable, identify whether the vessel has proof of participation in the Area Maritime Security Exercise. <ul style="list-style-type: none"> <li>• Must be conducted at least once each calendar year, with no more than 18 months between exercises.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____
SD38	Review security records for training, drills, exercises, security threats, and equipment maintenance. <ul style="list-style-type: none"> <li>• For training, date of each session, duration of session, a description of the training, and a list of attendees</li> <li>• For each drill or exercise, date held, description of drill or exercise, list of participants; and any best practices or lessons learned</li> <li>• For changes in MARSEC levels, date and time of notification received, and time of compliance with additional requirements</li> <li>• For security threats, date and time of occurrence, how the threat was communicated, who received or identified the threat, description of threat, to whom it was reported, and description of the response.</li> </ul>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____





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SD52	Determine whether these alternatives are allowable by the regulations and provide an equivalent amount of security for the vessel.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD53	Determine whether the vessel is in noncompliance with their security plan.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD54	Advise the Captain of the Port of findings, if applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD55	Issue a requirement to suspend, restrict, or continue operations, if applicable.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD56	Receive enforcement decision from COTP.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD57	Advise master of enforcement actions.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____
SD58	Complete MISLE case documentation.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____ _____ _____

