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# U.S. COAST GUARD



## CORE (HI/MI)

### PERFORMANCE AND QUALIFICATION STANDARD



Marine Inspection and Investigation School  
Training Center Yorktown

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## Core Performance and Qualification Standard

### References:

- (a) U.S. Coast Guard Sector Organization Manual, COMDTINST M5401.6 (series)
- (b) Marine Safety Manual, COMDTINST M16000 (series)
- (c) Performance, Training & Education Manual, COMDTINST M1500.10 (series)
- (d) Safety and Environmental Health Manual, COMDTINST 5100.47 (series)

This Performance and Qualification Standard (PQS) workbook is your On the Job Training (OJT) performance checklist for the prerequisite tasks for the Hull (HI) and Machinery (MI) inspector qualifications. It is your responsibility to document all completed unit training items and keep track of all inspections completed during this process by filling out the Inspection Log located in appendix B in this workbook.

This PQS is intended for all Coast Guard Marine Inspectors (Active Duty Officers and Civilian GS Personnel).

This PQS workbook contains the common tasks and steps required for both the HI and MI qualifications. ***Those members who will be pursuing the HI and/or MI competencies are required to complete all tasks and steps in this PQS workbook. No competency will be assigned until the requirements of the HI and/or MI PQS workbooks are completed.***

The following is a brief overview of how this PQS workbook works. On each task card you will find:

1. **Job:** The formal title of the qualification.  
*Example: "Offshore Supply Vessel Inspector"*
2. **Job Accomplishment:** The main deliverable for the qualification.  
*Example: "Certificate of Inspection"*
3. **Major Accomplishment:** The valuable products of a job or specialty which collectively make up the job accomplishment.  
*Example: "Lifesaving Equipment Inspection"*
4. **Vessel types:** The specific type of vessels within the formal title of the qualification that the task is associated with.  
*Example: "Small Passenger Vessel (T)"*
5. **Task:** Action to be performed on the job. A unit of behavior which has value for producing major accomplishments/output; has a definite beginning (stimulus); is made up of two or more steps; and results in a measurable output.
6. **Condition:** Specifies assistance, aids, or constraints the trainee will be given. It states the condition(s)/limit(s) under which the task will be performed.

7. **Standard:** Specifications of the levels of accuracy and quality necessary for success - that is, how well a trainee must carry out the desired performance to complete the task.
8. **Steps:** Sequence of actions which collectively make up the task's completion.

All tasks and steps must be validated by a certified Verifying Officer (VO). The VO shall observe the successful performance of each task and document such with signatures in the specific task card. VOs shall be experienced and competent personnel who have demonstrated the ability to evaluate, instruct and observe other personnel in the performance task criteria. VOs must be certified and recent in the competencies for which they are to verify and must be designated in writing, by the command. VOs must enter their title, name and initials in the Record of Verifying Officer's section before making entries in your PQS workbook.

With the exception of the training prerequisites listed on page (I), the Officer in Charge of Marine Inspection (OCMI) or designee may defer PQS items as authorized by references (a) and (d). The deferment of tasks should only be done when all reasonable attempts have been exhausted that would allow the apprentice the opportunity to demonstrate proficiency with a particular task. If a task is deferred, the reason for the deferment must be clearly articulated in both the PQS workbook and the certification letter for record keeping and accountability. The certification will be considered a "local certification" per reference (b) (MSM I/7.C.2.g) and limited to the cognizant OCMI's zone. Upon transfer of the inspector or OCMI, the certification will be rescinded until the deferred items have completed to the satisfaction of the new OCMI. **Division Chiefs shall examine all qualifications and prerequisites of newly reported Marine Inspectors to identify any deferred items necessary for their port.**

Prior to any prerequisite being deferred the individual's command must seek a waiver from the Office of Commercial Vessel Compliance (CG-CVC-1).

**Appendices:**

- A. Glossary
- B. Inspection Log



Core (HI/MI) PQS

<b>RECORD OF COMPLETION</b>		
<b>Training Prerequisites</b>	<b>Date</b>	<b>Training Coordinator's Signature</b>
A. Completion of the following resident and on-line courses:		
1. Marine Inspector Course (501869); <b><i>and</i></b>		
2. Introduction to Confined Space Entry and Shipyard Competent Person for Marine Inspection/Port State Control (100028)		
B. Completion of one Domestic Marine Inspector competency		
C. Completion of this PQS Workbook		

Core (HI/MI) PQS

<b>Task Number</b>	<b>Task Description</b>	<b>Date Completed</b>
COR-PI01	Research vessel details in MISLE (Marine Information for Safety and Law Enforcement) database	
COR-PI02	Coordinate inspection with vessel's representative	
COR-PI03	Mitigate potential hazards encountered during an inspection	
COR-CD01	Review Certificate of Inspection (COI)	
COR-CD02	Review Certificate of Documentation (COD)	
COR-CD03	Review Merchant Mariner Credentials (MMCs), medical certificates & TWIC	
COR-CD04	Examine maintenance and service records (lifesaving & fire fighting)	
COR-CD05	Examine muster lists and emergency instructions	
COR-CD06	Examine stability letter and stability booklet	
COR-CD07	Review certificates under International Convention for Safety of Life at Sea, 1974	
COR-CD08	Review International Safety Management Document of Compliance (DOC) and Safety Management Certificate (SMC)	
COR-CD09	Review International Ships Security Certificate (ISSC) & Continuous Synopsis Record (CSR)	
COR-CD10	Review International Oil Pollution Prevention Certificate (IOPP) & Form A	
COR-CD11	Review International Air Pollution Prevention Certificate (IAPP) and Supplement Record of Construction and Equipment	
COR-CD12	Review Engine International Air Pollution Prevention Certificate (EIAPP) and Supplement Record of Construction and Equipment	
COR-CD13	Review Statement of Voluntary Compliance, MARPOL Annex IV (Sewage)	
COR-CD14	Review International Energy Efficiency Certificate and Record of Construction	
COR-CD15	Verify compliance with Vessel General Permit (VGP)	
COR-LM01	Verify compliance with STCW watchkeeping standards	
COR-LM02	Review Shipboard Oil Pollution Emergency Plan (SOPEP)	
COR-SD01	Review Vessel Security Plan (VSP) or Alternate Security Plan (ASP)	
COR-SD02	Examine security records	
COR-SD03	Examine security equipment	
COR-SD04	Evaluate crew's knowledge of security plan	
COR-SD05	Examine security training & records	



Core (HI/MI) PQS

<b>Task Number</b>	<b>Task Description</b>	<b>Date Completed</b>
COR-GH01	Inspect means of escape from accommodation, machinery and other spaces	
COR-GH02	Inspect paint locker(s)	
COR-GH03	Inspect general emergency alarm system	
COR-LS01	Inspect work vests	
COR-LS02	Inspect life jackets	
COR-LS03	Inspect immersion suits	
COR-FF01	Review approved Safety Plan (Fire-Control Plan)	
COR-FF02	Inspect areas for compliance with Structural Fire Protection (SFP) requirements	
COR-FF03	Inspect fire boundary closures	
COR-FF04	Inspect primary fire main and pump(s)	
COR-FF05	Inspect fire stations	
COR-FF06	Inspect portable fire extinguishers	
COR-FF07	Inspect semi-portable fire extinguishers	
COR-FF08	Inspect fireman's outfits	
COR-FF09	Inspect international shore connection	
COR-FF10	Inspect fire and smoke detecting systems	
COR-FF11	Inspect high pressure CO2 system	
COR-FF12	Inspect low pressure CO2 system	
COR-FF13	Inspect automatic sprinkler system	
COR-FF14	Inspect fixed foam firefighting systems	
COR-FF15	Inspect fire axes	
COR-ES01	Inspect battery installation	
COR-ES02	Inspect motor controllers	
COR-ES03	Inspect lighting systems/fixtures	
COR-ES04	Inspect emergency lighting	
COR-ES05	Inspect panelboards (distribution panels)	
COR-ES06	Inspect electrical cables and fixtures	
COR-ES07	Inspect components installed in designated hazardous locations	
COR-SW01	Inspect hatches and Class-1 watertight doors	

Core (HI/MI) PQS

<b>Task Number</b>	<b>Task Description</b>	<b>Date Completed</b>
COR-SW02	Inspect Class 2 & 3 watertight doors	
COR-SW03	Inspect watertight bulkhead penetrations	
COR-SW04	Inspect hull structure	
COR-PP01	Inspect pollution prevention equipment	
COR-ED01	Evaluate fire drill	
COR-ED02	Evaluate abandon ship drill	
COR-ED03	Evaluate security drill	
COR-IS01	Verify confined spaces are safe for entry	
COR-IS02	Inspect internal structures	
COR-WR01	Evaluate structural repair proposals	
COR-WR02	Verify welding Procedure Qualification Records (PQR)	
COR-WR03	Verify welder is qualified to perform repair work	
COR-WR04	Inspect fit-up	
COR-WR05	Inspect back gouge	
COR-WR06	Inspect welds	
COR-WR07	Verify welding Procedure Qualification Record(s) (PQR)	
COR-WR08	Verify welder is qualified to perform repair work	
COR-NT01	Inspect nondestructive testing (NDT) using the liquid (dye) penetrant method	
COR-NT02	Inspect nondestructive testing (NDT) using the magnetic particle method	
COR-NT03	Verify nondestructive testing (NDT) using the radiography (gamma rays or x-rays) method	
COR-NT04	Verify nondestructive testing (NDT) using the ultrasonic method	
COR-NT05	Inspect nondestructive testing (NDT) using the hydrostatic method (Pressure Vessel)	
COR-NT06	Inspect nondestructive testing (NDT) using the hydrostatic method (Piping System)	
COR-NT07	Inspect nondestructive testing (NDT) using the hydrostatic method (Tanks and Bulkheads)	
COR-NT08	Inspect nondestructive testing (NDT) using the pneumatic method (Pressure Vessels)	
COR-NT09	Inspect nondestructive testing (NDT) using the pneumatic method (Piping Systems)	
COR-NT10	Inspect nondestructive testing (NDT) using the tank air test (pneumatic) method (Tanks and Bulkheads)	

Core (HI/MI) PQS

Task Number	Task Description	Date Completed
COR-NT11	Inspect nondestructive testing (NDT) using the hose test method (Tanks and Bulkheads)	
COR-NT12	Inspect nondestructive testing (NDT) using the vacuum box method (Tanks and Bulkheads)	
COR-FU01	Verify vessel compliance with the International Safety Management (ISM) Code	
COR-FU02	Issue control action(s)	
COR-FU03	Issue deficiencies	
COR-FU04	Issue/Endorse vessel's certificates	
COR-FU05	Complete MISLE Activity	
COR-FU06	Conduct deficiency check	

## Appendix A

**Glossary:** The following terms are used in this workbook and should be reviewed in order to better understand its contents:

**Advise:** to counsel or recommend

**Assign:** to give responsibility, to place under the control of a task

**Amend (Modify):** to make minor changes in/to

**Brief:** to give information or final precise instructions

**Change:** to make different in some particular way

**Check:** to inspect for satisfactory condition, accuracy, safety or performance

**Compare:** to examine (two or more objects, ideas, people, etc.) in order to note similarities and/or differences

**Communicate:** to convey knowledge of or information about: make known

**Confirm:** to validate, establish the truth, accuracy or genuineness of something

**Create:** to cause to happen; bring about; arrange, as by intention or design

**Discuss:** to verbally present a topic in detail for examination or consideration

**Determine:** to settle or decide by choice of alternatives or possibilities. “Decide” refers to arriving at a conclusion and to pronounce that decision. “Determine” is to settle or decide by choice of alternatives or possibilities and to fix precisely.

**Endorse:** to approve, support or sustain; to sign one’s name on a document or other instrument

**Ensure:** to make certain, to guarantee

**Enter:** to make a record of; record or register

**Evaluate:** to determine the significance or worth of, usually by careful appraisal and study

**Examine:** to look at or consider a thing carefully and in detail in order to discover something about it

**Identify:** to determine critical or necessary conditions or other factors; to determine the specific model of an item; to ascertain the origin, nature or definitive characteristics of; to recognize or establish as being a particular person or thing

**Inspect:** to examine officially; to look carefully at or over; view closely and critically

**Issue:** to serve legally binding federal documentation, notices or declarations to an individual, business or other distinctive entity

## Appendix A

**Locate:** to determine or set the position of; to find

**Make:** to create or cause to happen

**Modify** (Amend): to make minor changes in/to

**Observe** (Witness): to watch carefully

**Obtain:** to gain or attain

**Open:** to set in action, begin, start or commence

**Prepare:** plan, gather and assemble information to produce a document (i.e. COI); to put together, to combine elements and produce a product, to make ready

**Provide:** to supply or make available

**Review:** to go over for the purpose of determining correctness or currency; to examine a document or process for accuracy in content and/or format and report errors or updates to the author or controlling authority

**Schedule:** to appoint, assign, or designate for a fixed time

**Update:** to bring up to date or make current

**Validate:** to substantiate accuracy or truth of by comparison or investigation

**Verify:** to confirm or establish the accuracy or truth of something

**Witness** (Observe): to watch carefully











**Pre-Inspection (PI)**

**D, H & I Vessels**

**Task:** COR-PI01 Research vessel details in MISLE (Marine Information for Safety and Law Enforcement) database

**Condition:** *During preparation for inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, United States Code § 3301 Vessels Subject to Inspection
  2. Title 33, Code of Federal Regulations Part 138 Financial Responsibility for Water Pollution & OPA 90 Limits of Liability
  3. Title 46, Code of Federal Regulations Parts 30, 71 & 91
  4. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management & COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  5. MISLE Vessels User Guide
  6. MPS-PR-SEC-04 Preparing for Inspections and Examinations

Steps		References	Initials
PI01.1	Determine authority, jurisdiction, applicable regulations and enrollment in alternate inspection programs (ACP, SIP, MSP, etc.)	46 USC 3301 46 CFR 30.01-5,71.15 46 CFR 91-15-5 MSM II/B.9 & B 10	
PI01.2	Locate vessel in MISLE	MSM I/12.G.5	
PI01.3	Verify documents are current in MISLE	MISLE User Guide MSM II/B.1.C.2	
PI01.4	Review history (narratives, deficiencies & special notes)	MSM II/B.1.C.2	
PI01.5	Verify status of user fees	MSM II/B.1.C.2	
PI01.6	Enter title and point(s) of contact	MSM II/B.1.C.2	
PI01.7	Verify status of Certificate of Financial Responsibility (e-COFR)	33 CFR 138.15 & .30(c) 33 CFR 138.65 33 CFR 138.90(a)	
PI01.8	Generate new activity	MSM I/12.G	
PI01.9	Prepare folder and required documents	MPS-PR-SEC-04 & 05	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of MISLE including Coast Guard's Mission Management System (MMS) processes and procedures.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Pre-Inspection (PI)**

**D, H & I Vessels**

**Task:** COR-PI02 Coordinate inspection with vessel's representative

**Condition:** During preparation for drydock examination

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 91 Cargo & Miscellaneous Vessels - Inspection & Certification
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  5. MPS-PR-SEC-01 Scheduling Domestic Vessel Inspections
  6. MPS-PR-SEC-04 Preparing for Inspection and Examinations

Steps		References	Initials
PI02.1	Verify vessel's representative	MPS-PR-SEC-01	
PI02.2	Determine location and time of inspection	MPS-PR-SEC-01	
PI02.3	Discuss inspection expectations	46 CFR 31.10 & 71.20 & 25 46 CFR 91.25 & .27 MSM II/B.1.D.1 & B.2.A.1	
PI02.4	Verify vessel's owner/operator information	MPS-PR-SEC-04	
PI02.5	Verify vessel's classification society information	MPS-PR-SEC-04	
PI02.6	Review outstanding conditions from third party reports and/or CG-835s	MPS-PR-SEC-04	
PI02.7	Review repairs and alterations	46 CFR 31.10-22 & -25 46 CFR 71.55 46 CFR 91.45	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of MISLE including Coast Guard's Mission Management System (MMS) processes and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Pre-Inspection (PI)**

**D, H & I Vessels**

**Task:** COR-PI03 Mitigate potential hazards encountered during an inspection

**Condition:** *During preparation for inspection*

**Standard:** *In accordance with current policies, procedures and processes*

- References:**
1. Title 29, Code of Federal Regulations Part 1915 Occupational Safety & Health Standards for Shipyard Employment
  2. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
  3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  4. NFPA 306 Standard for the Control of Gas Hazards on Vessels
  5. NFPA 350 Guide for safe Confined Space Entry and Work
  6. Gas Detector Operator's Manual

Steps		References	Initials
PI03.1	Recognize potential hazards encountered during inspection	NFPA 306 NFPA 350	
PI03.2	Determine confined spaces	MSM I/10 App.A NFPA 350	
PI03.3	Determine if exam scope will require a Marine Chemist certification for space entry	29 CFR 1915, Subpart B MSM II/A.5.H	
PI03.4	Verify Marine Chemist has been scheduled for exam	MSM I/10 App. A	
PI03.5	Prepare necessary personal protective equipment for exam	MSM I/10 App. A MSM I/8.A.3. Operator's Manual	
PI03.6	Review CG policy for when to leave a space due to hazardous condition	MSM I/10 App. A	

**Verifying Officer Guidance:** *Trainees shall be familiar with Quattro Gas Detector and how to Bump test and Calibrate.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD01 Review Certificate of Inspection (COI)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, United States Code Part F Manning of Vessels
  2. Title 46, Code of Federal Regulations Part 15 Manning Requirements
  3. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  4. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
  5. Title 46, Code of Federal Regulations Parts 71, 90 & 91
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
CD01.1	Verify presence of original	46 CFR 31.05-5 46 CFR 71.01-5 46 CFR 91.01-5	
CD01.2	Validate manning	46 USC 81, 83 & 87 46 CFR 15.501 46 CFR 15.525	
CD01.3	Validate route(s) and service	46 CFR 31.05-1(b) 46 CFR 71.20-15 46 CFR 91.20-15	
CD01.4	Validate fire fighting and lifesaving equipment	46 CFR 31.10-15(b)	
CD01.5	Validate cargo carriage (D & I only)	46 CFR 31.05-1(b) 46 CFR 90.05-35	
CD01.6	Review amendment(s)	MSM II/A.3.J	
CD01.7	Verify pressure vessel date(s)	46 CFR 31.30-1, 70.20-1 46 CFR 91.25-35 46 CFR 61.10-5(b)	

**Verifying Officer Guidance:**

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD02 Review Certificate of Documentation (COD)

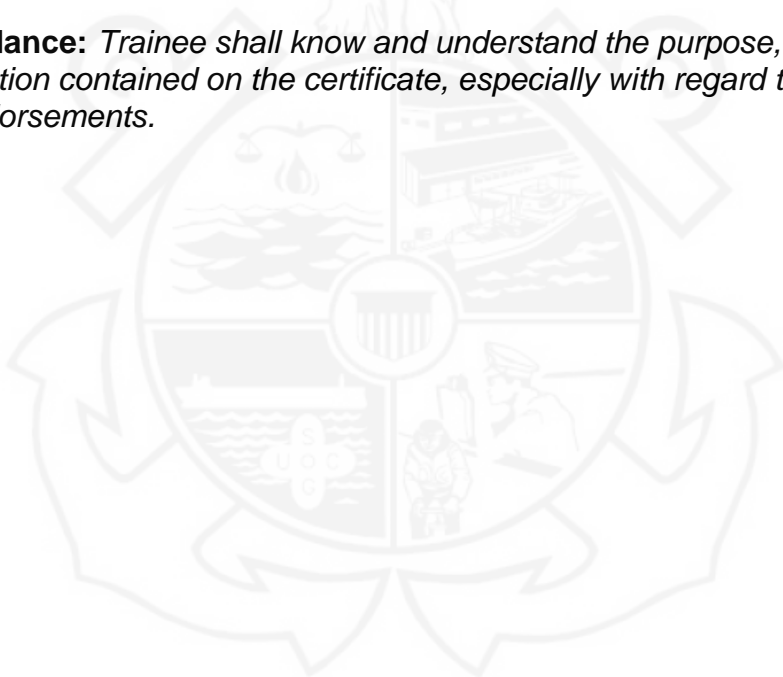
**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. Title 46, Code of Federal Regulations Part 67 Documentation of Vessels

Steps		References	Initials
CD02.1	Verify presence of original	46 CFR 67.313	
CD02.2	Verify contact information is correct	46 CFR 67.321	
CD02.3	Verify endorsement(s) for current service(s)	46 CFR 67.17 & .19	
CD02.4	Verify validity	46 CFR 67.7 & .9 46 CFR 67.161	
CD02.5	Confirm renewal of endorsement	46 CFR 67.163	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD03 Review Merchant Mariner Credentials (MMCs), medical certificates & TWIC

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 10 Merchant Mariner Credential
  2. Title 46, Code of Federal Regulations Parts 11, 15,31, 71, 91
  3. Title 47, Code of Federal Regulations Part 80 Stations in the Maritime Services
  4. NVIC 03-99 GMDSS and EPIRB Equipment Requirements for Commercial Vessels
  5. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended & Inspection of Labour Conditions On Board Ship: Guide-lines for Procedure (ILO-147)

Steps		References	Initials
CD03.1	Verify presence of original credentials	46 CFR 10.203(c)	
CD03.2	Verify validity of credentials	46 CFR 10.205	
CD03.3	Ensure credentials, including STCW endorsements, meet COI manning requirements	46 CFR 15.515 & 31.05-1(b) 46 CFR 71.01-2 & 91.01-2 STCW I/2.6	
CD03.4	Verify number of GMDSS Operators	47 CFR 80.1073 SOLAS 20 IV/16 & STCW IV/2 46 CFR 15.817 & NVIC 03-99	
CD03.5	Verify Radar Operator endorsement	46 CFR 15.815 46 CFR 11.480	
CD03.6	Verify Tankerman endorsement(s)	46 CFR 15.860	
CD03.7	Verify Vessel Security Officer (VSO) endorsement	33 CFR 104.215(c) STCW VI/5	
CD03.8	Examine medical certificates	46 CFR 10.301 STCW I/9 ILO-147 pp. 19-22	
CD03.9	Verify Transportation Worker Identification Credential (TWIC)	46 CFR 10.203(b) & (d)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of mariner credentials, their purpose and how to use the information contained therein.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD04 Examine maintenance and service records (lifesaving & fire fighting)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Parts 97 & 199
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
CD04.1	Review fire fighting service report(s)	46 CFR 31.10-18(a) & 78.17-80 46 CFR 97.15-60(b) SOLAS 20 II-2/14.2.2	
CD04.2	Review lifesaving service report(s)	46 CFR 31.36-1 & 70.28-1 46 CFR 90.27-1 & 199.190 SOLAS 20 III/20.8.1	

**Verifying Officer Guidance:** Trainee should know and understand the importance of maintenance and service records including how to properly review and confirm the validity of a third party servicing report.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD05 Examine muster lists and emergency instructions

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 199 Lifesaving Appliances & Arrangements
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
CD05.1	Parent cites	46 CFR 31.36-1 46 CFR 70.28-1 46 CFR 90.27-1	
CD05.2	Verify muster lists and emergency instructions are posted	46 CFR 199.80 SOLAS 20 III/8	
CD05.3	Verify information on muster lists and emergency instructions	46 CFR 199.80 SOLAS 20 III/37 3-6	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained therein.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD06 Examine stability letter and booklet

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  3. Title 46, Code of Federal Regulations Part 72 Passenger Vessels - Construction & Arrangement
  4. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  5. Title 46, Code of Federal Regulations Part 91 Cargo & Miscellaneous Vessels - Inspection & Certification
  6. Title 46, Code of Federal Regulations Parts 97 & 170

Steps		References	Initials
CD06.1	Parent cites	46 CFR 31.10-30 & 72.30-1 46 CFR 91.55-5(c) 46 CFR 170.001(a)	
CD06.2	Verify stability letter posted	46 CFR 170.120 46 CFR 35.08-1 & 78.12-1 46 CFR 97.11-1	
CD06.3	Verify stability requirements are documented	46 CFR 170.110	

**Verifying Officer Guidance:** *The trainee should verify the type and location of fixed ballast and the location of watertight subdivision bulkheads in accordance with the vessel's stability documentation.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD07 Review certificates under International Convention for Safety of Life at Sea, 1974

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 91 Cargo & Miscellaneous Vessels - Inspection & Certification
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  5. NVIC 10-82 Ch-2 Acceptance of Plan Review & Inspection Tasks Performed by the American Bureau of Shipping (ABS) for New Construction or Major Modification of U.S. Flag Vessels
  6. NVIC 02-95 Ch-3 The Alternate Compliance Program (ACP)

Steps		References	Initials
CD07.1	Parent cites	46 CFR 31.40 46 CFR 71.75 46 CFR 91.60	
CD07.2	Verify validity	SOLAS 20 I/6 NVIC 02-95 Encl. 1/G & 3/F NVIC 10-82	
CD07.3	Verify endorsements (notations)	SOLAS 20 I/6 NVIC 02-95 Encl. 1/G & 3/F NVIC 10-82	

**Verifying Officer Guidance:** Trainee shall know the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements. NVIC 10-82 Ch-2 contains certs that ABS can issue on our behalf.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD08 Review International Safety Management Document of Compliance (DOC) and Safety Management Certificate (SMC)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. Title 33, Code of Federal Regulations Part 96 Rules for the Safe Operation of Vessels & Safety Management Systems
2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
3. International Safety Management (ISM) Code, 2014
4. IMO Res A.1071(28) Revised Guidelines on the Implementation of the International Safety (ISM) Code by Administrations

Steps		References	Initials
CD08.1	Verify presence of DOC (copy)	33 CFR 96.330(a) & (d) SOLAS 20 IX/4.2 ISM Code B/13.6	
CD08.2	Verify DOC identifies company and vessel type	33 CFR 96.330(e) ISM Code B/13.3 IMO Res A.1071(28)	
CD08.3	Verify DOC validity with annual verifications	33 CFR 96.330(f) ISM Code B/13.4	
CD08.4	Verify presence of SMC	33 CFR 96.340(d) SOLAS 20 IX/4.3 & ISM Code B/13.7 IMO Res A.1071(28)	
CD08.5	Verify vessel particulars listed on SMC match DOC	ISM Code Appendix	
CD08.6	Verify intermediate verification or additional verifications are complete	33 CFR 96.340(e)(2) IMO Res A.1071(28) ISM Code B/13.8	
CD08.7	Verify extension or renewal endorsements	33 CFR 96.340(f) IMO Res A.1071(28) ISM Code B/13.13	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD09 Review International Ships Security Certificate (ISSC) & Continuous Synopsis Record (CSR)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended  
2. International Ship & Port Facility Security (ISPS) Code, 2012

Steps		References	Initials
CD09.1	Verify vessel particulars	SOLAS 20 XI-1/5	
CD09.2	Verify Company name and address match International Safety Management documents	SOLAS 20 XI-1/5.3	
CD09.3	Verify ISSC verification type with date	ISPS Code A/19	
CD09.4	Verify ISSC endorsement (Intermediate or additional)	ISPS Code A/19.1.1	
CD09.5	Verify additional ISSC verifications, extensions, renewals or expiry advancements are completed	ISPS Code A/19.1.1 ISPS Code A/19.3.4	
CD09.6	Verify CSR is present and valid	SOLAS 20 XI-1/5	
CD09.7	Verify CSR information matches ISSC	SOLAS 20 XI-1/5	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD10 Review International Oil Pollution Prevention Certificate (IOPP) & Form A

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 151 Vessels Carrying Oil, NLS, Garbage, Municipal or Commercial Waste & Ballast Water
  2. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
  3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CD10.1	Verify vessel particulars	MARPOL I/9 MARPOL I/Appendix II	
CD10.2	Verify vessel type is accurate	MARPOL I/2 MARPOL I/9	
CD10.3	Verify annual, intermediate, extension renewal, or change in anniversary date	33 CFR 151.17 MARPOL I/6	
CD10.4	Verify record of construction and equipment	33 CFR 151.23 MARPOL I/9	
CD10.5	Verify control requirements for machinery bilge and fuel oil tanks identified	MARPOL I/14 MARPOL I/16	
CD10.6	Verify retention and disposal requirements for oily bilge water holding tanks	33 CFR 151.25 MARPOL I/12	
CD10.7	Verify standard discharge connection requirement	33 CFR 155.420 & .430 MARPOL I/13	

**Verifying Officer Guidance:** Trainee should use CVC-approved Process Guide (01Jul13) when preparing/reviewing an IOPP certificate and supplement. Trainee shall know and understand all pertinent information contained on the certificate.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD11 Review International Air Pollution Prevention Certificate (IAPP) and Supplement Record of Construction and Equipment

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
  2. CG-CVC Policy Letter 12-04 Guidelines for Compliance and Enforcement of the Emission Control Areas Established within the U.S. Jurisdiction as Designated in MARPOL VI/14

Steps		References	Initials
CD11.1	Verify vessel particulars on the Record of Construction and Equipment	MARPOL VI/8 MARPOL VI/Appendix I	
CD11.2	Verify annual, intermediate, renewal, repair and extension endorsements and/or change in anniversary date	MARPOL VI/5 MARPOL VI/8	
CD11.3	Verify ozone depleting substances identified	MARPOL VI/12	
CD11.4	Verify Nitrogen Oxide emission sources identified	MARPOL VI/13	
CD11.5	Verify Sulphur Oxide (fuel oil) requirements identified	MARPOL VI/14 CG-CVC Policy Ltr 12-04	
CD11.6	Verify incinerator installation identified	MARPOL VI/16	
CD11.7	Verify validity of alternatives or equivalents	MARPOL VI/4	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD12 Review Engine International Air Pollution Prevention Certificate (EIAPP) and Supplement Record of Construction and Equipment

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
2. CG-543 Policy Letter 09-01 Guidelines for Ensuring Compliance with Annex VI
3. NOx Technical Code (NOx Code) 2008, 2009 ed.

Steps		References	Initials
CD12.1	Verify presence of EIAPP Certificate	MARPOL VI/13.8 NOx Code 2.1.1.1	
CD12.2	Verify validity	MARPOL VI/8 & 9	
CD12.3	Verify details & review engine technical files	CG-543 Policy Ltr 09-01 Encl. 1	
CD12.4	Verify presence of engines identified	MARPOL VI/13.1.1	
CD12.5	Verify Statement of Compliance is accompanied by EPA issued EIAPP	CG-543 Policy Ltr 09-01 Encl 1	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**



## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD13 Review Statement of Voluntary Compliance, MARPOL Annex IV (Sewage)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. Title 33, Code of Federal Regulations Part 159 Marine Sanitation Devices
2. NVIC 01-09 Voluntary Compliance with International Sewage Regulations in Annex IV to MARPOL 73/78 Ch-1
3. IMO Resolution MEPC.227(64) 2012 Guidelines on Implementation of Effluent Standards and Performance Tests for Sewage Treatment Plants

Steps		References	Initials
CD13.1	Verify vessel particulars	NVIC 01-09 Ch-1	
CD13.2	Verify compliance type	33 CFR 159.51-131 NVIC 01-09 Ch-1 IMO Res MEPC.227(64)	
CD13.3	Verify discharge rate (draft & speed chart) identified	33 CFR 159.57 NVIC 01-09 Ch-1	
CD13.4	Verify endorsements	NVIC 01-09 Ch-1	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Certificates and Documents (CD)

D, H &amp; I Vessels

**Task:** COR-CD14 Review International Energy Efficiency Certificate and Record of Construction

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
  2. CG-CVC Policy Letter 13-02 MARPOL Annex VI International Energy Efficiency (IEE) Certificate Implementation Guidance
  3. CG-543 Policy Letter 09-01 Guidelines for Ensuring Compliance with Annex VI to the International Convention for the Prevention of Pollution from Ships (MARPOL) 73/78; Prevention of Air Pollution from Ships
  4. IMO Resolution MEPC.203(62) Inclusion of Regulations on Energy Efficiency for Ships in MARPOL Annex VI
  5. IMO Resolution MEPC.278(70) (Adopted on 28 October 2016) Amendments to the Annex of the Protocol of 1997 to Amend the International Convention for the Prevention of Pollution from Ships

Steps		References	Initials
CD14.1	Verify presence	MARPOL Reg I/6	
CD14.2	Verify validity	MARPOL Reg I/8	
CD14.3	Verify proper form	MARPOL Reg I/9	
CD14.4	Verify vessel particulars	MARPOL VI/Appendix I	
CD14.5	Verify Energy Efficiency Design Index requirement	CG-CVC Policy Ltr 13-02 7.a IMO Res MEPC.203(62) 20.1 IMO Res MEPC 278 (70)	
CD14.6	Verify Ship Energy Efficiency Management Plan is identified (Parts 1 & 2)	CG-CVC Policy Ltr 13-02 7.b IMO Res MEPC.203(62) 22 IMO Res MEPC 278 (70)	
CD14.7	Verify Technical File requirements are met (Parts 1 & 2)	CG-543 Policy Ltr 09-01 IMO Res MEPC.203(62) 20.1 IMO Res MEPC 278 (70)	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Certificates and Documents (CD)**

**D, H & I Vessels**

**Task:** COR-CD15 Verify compliance with Vessel General Permit (VGP)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. EPA Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels (VGP), 2013
  2. CG-543 Policy Letter 11-01 Guidelines for CG Evaluations of Compliance with the EPA's Vessel General Permit

Steps		References	Initials
CD15.1	Verify Notice of Intent (NOI) has been submitted	VGP 1.5.1.1 & 10 VGP Table 1 CG-543 Policy Ltr 11-01	
CD15.2	Verify compliance with ballast water record keeping requirements	33 CFR 151.2070 VGP 4.3 CG-543 Policy Ltr 11-01	
CD15.3	Verify noncompliance & reportable quantity reports have been submitted	VGP 4.4.1 VGP 4.4.2 CG-543 Policy Ltr 11-01	
CD15.4	Verify inspections, monitoring & record keeping	VGP 4.1, 4.2 & 4.3 CG-543 Policy Ltr 11-01	

**Verifying Officer Guidance:** Trainee shall know and understand the purpose, format, contents and how to use the information contained therein.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Logs and Manuals Inspection (LM)**

**D, H & I Vessels**

**Task:** COR-LM01 Review compliance with STCW watchkeeping standards

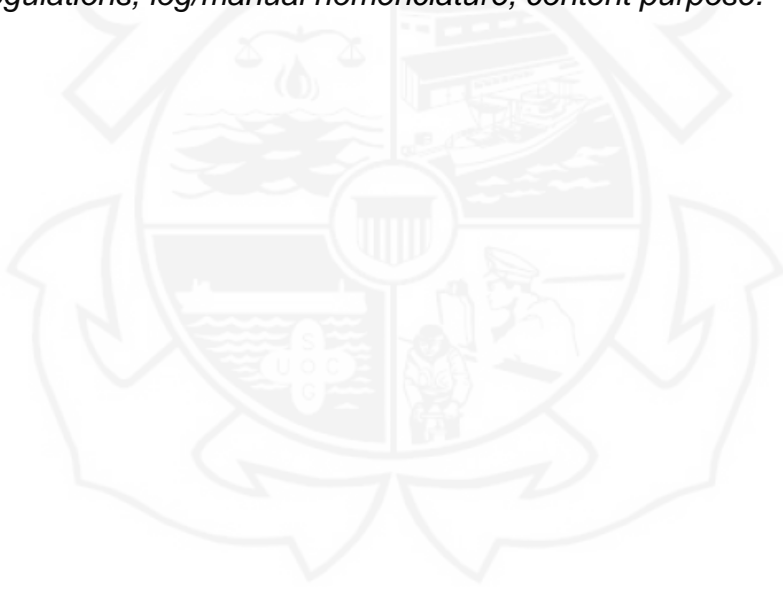
**Condition:** During bridge inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 15 Manning Requirements
  2. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended

Steps		References	Initials
LM01.1	Review watchstanding schedules	46 CFR 15.1111 STCW A-VIII/1 & 2	
LM01.2	Verify compliance with standing orders and other special instructions	STCW A-VIII/2	

**Verifying Officer Guidance:** *Trainees should be aware of numerous NVICs issued in 2014 that provide Guidelines for Qualification for STCW endorsements. They shall demonstrate working knowledge of STCW regulations, log/manual nomenclature, content purpose.*



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Logs and Manuals Inspection (LM)**

**D, H & I Vessels**

**Task:** COR-LM02 Review Shipboard Oil Pollution Emergency Plan (SOPEP)

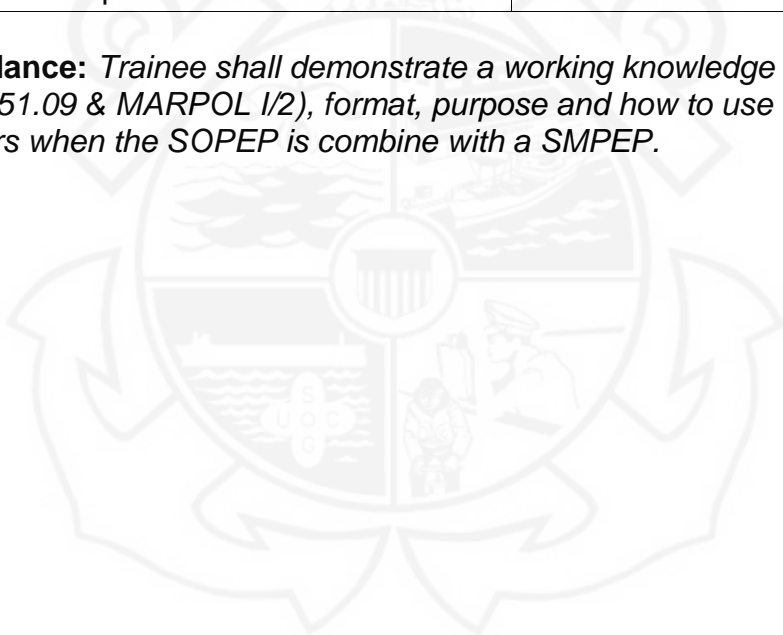
**Condition:** While validating logs and manuals

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 151 Vessels Carrying Oil, NLS, Garbage, Municipal or Commercial Waste & Ballast Water
  2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
LM02.1	Verify contents	33 CFR 151.26(a) & (b)	
LM02.2	Verify approval	33 CFR 151.27 MARPOL I/37.1	
LM02.3	Verify annual review	33 CFR 151.28(a) & (d)	
LM02.4	Verify combination plan	MARPOL I/37.3	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of SOPEP's applicability (33 CFR 151.09 & MARPOL I/2), format, purpose and how to use the information. A combination plan occurs when the SOPEP is combine with a SMPEP.



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Security Inspection (SD)**

**D, H & I Vessels**

**Task:** COR-SD01 Review Vessel Security Plan (VSP) or Alternate Security Plan (ASP)

**Condition:** During security compliance inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Parts 101 & 104
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Ship & Port Facility Security (ISPS) Code, 2012
  4. NVIC 04-03 Guidance for Verification of Vessel Security Plans on Domestic Vessels Chs 1, 2 & 3
  5. NVIC 10-04 Guidelines for Handling of Sensitive Security Information (SSI), Parts 1 and 2
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
SD01.1	Verify presence of approval letter for plan type	33 CFR 104.105, .120 & .140 33 CFR 101.120(b) & (c) SOLAS 20 XI-2/4.2 ISPS Code A/9.1	
SD01.2	Verify participation with sponsoring organizations	NVIC 04-03 Ch1 Encl (6), 5, C.	
SD01.3	Verify plan is secured	33 CFR 104.400(c) ISPS Code A/9.7 NVIC 04-03 Ch 1 Encl (4)	
SD01.4	Examine contents	33 CFR 104.405	
SD01.5	Verify amendment(s)	33 CFR 104.415(a)	
SD01.6	Verify implementation	33 CFR 101.120(b)(2) 33 CFR 104.140(c) & 400(a)	
SD01.7	Verify security inspection/deficiency documentation	NVIC 10-04 Part 1 MSM II/A.2.C	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of plan format, purpose and how to use the information contained therein to confirm active compliance with the procedures outlined in the plan.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Security (Domestic) Inspection (SD)**

**D, H & I Vessels**

**Task:** COR-SD02 Examine security records

**Condition:** *During security compliance inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 104 Maritime Security - Vessels
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Ship & Port Facility Security (ISPS) Code, 2012
  4. NVIC 04-03 Guidance for Verification of Vessel Security Plans on Domestic Vessels Chs 1, 2 & 3

Steps		References	Initials
SD02.1	Verify record(s) of security training	33 CFR 104.235(b)(1) SOLAS 20 XI-2/4.2 ISPS Code A/10.1.1	
SD02.2	Verify presence of Declarations of Security (DoS)	33 CFR 104.255 & .235(b)(7) ISPS Code A/5.7 NVIC 04-03	
SD02.3	Verify record(s) of security drills	33 CFR 104.235(b)(2) ISPS Code A/10.1.1	
SD02.4	Verify annual exercise has been conducted	33 CFR 104.235(b)(2) ISPS Code A/10.1.1	
SD02.5	Verify record(s) of annual audit	33 CFR 104.235(b)(8) ISPS Code A/10.1.6	
SD02.6	Verify VSA/SSA is reviewed and revalidated when VSP is submitted for reapproval or revisions	33 CFR 104.310 (c) NVIC 04-03 Encl (2), 2.C & 2.D	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of format, purpose and how to use the information contained therein to ensure active compliance.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Security (Domestic) Inspection (SD)**

**D, H & I Vessels**

**Task:** COR-SD03 Examine security equipment

**Condition:** During security compliance inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 101 Maritime Security - General
  2. Title 33, Code of Federal Regulations Part 104 Maritime Security - Vessels
  3. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  4. International Ship & Port Facility Security (ISPS) Code, 2012
  5. NVIC 04-03 Guidance for Verification of Vessel Security Plans on Domestic Vessels Chs 1, 2 & 3

Steps		References	Initials
SD03.1	Verify location of Ship Security Alert System	33 CFR 101.310 & 104.297 SOLAS 20 XI-2/6 ISPS Code A/9.4.17	
SD03.2	Verify maintenance records	33 CFR 104.235(b)(5) & 260 (b) ISPS Code A/17 NVIC 04-03 Encl. 3 Section 10	
SD03.3	Verify operation	33 CFR 104.260(a) ISPS Code A/9.4.15 & 18 NVIC 04-03 Ch 2, Encl 5, Sec 14.	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment's components, function(s), purpose and use.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Security (Domestic) Inspection (SD)**

**D, H & I Vessels**

**Task:** COR-SD04 Evaluate crew's knowledge of security plan

**Condition:** During security compliance inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 104 Maritime Security - Vessels
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Ship & Port Facility Security (ISPS) Code, 2012
  4. NVIC 04-03 Guidance for Verification of Vessel Security Plans on Domestic Vessels

Steps		References	Initials
SD04.1	Identify Company Security Officer (CSO)	33 CFR 104.200(b)(2) SOLAS 20 XI-2/4.2 ISPS Code A/11.1	
SD04.2	Identify Vessel/Ship Security Officer (VSO/SSO)	33 CFR 104.200(b)(2) ISPS Code A/12.1	
SD04.3	Verify VSO's knowledge regarding his/her responsibilities	33 CFR 104.215(e) ISPS Code A/12.2 NVIC 04-03 Encl. 3 Section 9	
SD04.4	Verify crew's level of knowledge regarding his/her security responsibilities	33 CFR 104.220 ISPS Code A/13.3 NVIC 04-03 Encl. 3 Section 10	
SD04.5	Verify compliance with current Maritime Security (MARSEC) level	33 CFR 104.215(e)(9) 33 CFR 104.240 ISPS Code A/7	

**Verifying Officer Guidance:** *Trainee shall understand the roles & responsibilities of a VSO and the criteria for and importance of properly evaluating the effectiveness of the vessel's security plan. Trainee shall also demonstrate good communication skills and questioning techniques.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Security (Domestic) Inspection (SD)****D, H & I Vessels****Task:** COR-SD05 Examine security training & records**Condition:** *While on deck walk***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Title 33, Code of Federal Regulations Part 104 Maritime Security - Vessels  
2. International Ship & Port Facility Security (ISPS) Code, 2012

Steps		References	Initials
SD05.1	Verify all access points are monitored	33 CFR 104.265(a)(3) & (b)(1) ISPS A/7.2.2	
SD05.2	Observe gangway watch control of embarkation of persons and effects	33 CFR 104.265(a) & b(1) ISPS A/7.2.3	
SD05.3	Verify security communications	33 CFR 104.245 ISPS A/7.2.7	
SD05.4	Verify security level	33 CFR 104.240 ISPS A/7.1	
SD05.5	Verify gangway watch is familiar with their responsibilities as per security plan	ISPS A/13.2 & .3	
SD05.6	Verify signage	33 CFR 104.265(f)(3)	

**Verifying Officer Guidance:****Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

**General Health & Safety Inspection (GH)**

**D, H & I Vessels**

**Task:** COR-GH01 Inspect means of escape from accommodation, machinery and other spaces

**Condition:** During general health and safety inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  4. Title 46, Code of Federal Regulations Part 72 Passenger Vessels - Construction & Arrangement
  5. Title 46, Code of Federal Regulations Parts 77, 78, 92, 96, 97 , 111 & 112
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
GH01.1	Parent cites	46 CFR 31.35-1 46 CFR 77.05-1 46 CFR 96.05-1	
GH01.2	Verify means of escape	46 CFR 32.02-1, 72.10 46 CFR 92.10 SOLAS 20 II-2/13	
GH01.3	Verify routes are accessible	46 CFR 32.02-1, 72.10-20 & -30 46 CFR 92.10-20 & -30 SOLAS 20 II-2/13	
GH01.4	Verify location and operation of emergency lighting	46 CFR 111.75-15(c)(2) SOLAS 20 III/11.5	
GH01.5	Verify emergency lighting markings	46 CFR 35.40-6, 78.47-33 46 CFR 97.37-25 46 CFR 111.75-15(e)	
GH01.6	Verify location of exit signs	46 CFR 35.40-6 & 78.47-40 46 CFR 97.37-3, 111.75-15 46 CFR 112.15-1(d) SOLAS 20 III/11.5	
GH01.7	Verify emergency escape markings	SOLAS 20 III/11.5	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**General Health & Safety Inspection (GH)**

**D, H & I Vessels**

**Task:** COR-GH02 Inspect paint locker(s)

**Condition:** During general health and safety inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  2. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  3. Title 46, Code of Federal Regulations Part 72 Passenger Vessels - Construction & Arrangement
  4. Title 46, Code of Federal Regulations Part 76 Passenger Vessels - Fire Protection Equipment
  5. Title 46, Code of Federal Regulations Part 77, 92, 95, 96 & 111
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
GH02.1	Verify installation of fixed fire protection system	46 CFR 34.05-5(a),76.05-20,.15-5(d) 46 CFR 95.05-10,.15-5(d) SOLAS 20 II-2/10.6.3	
GH02.2	Verify location of portable/semi portable fire extinguishers	46 CFR 34.50-10a 46 CFR 76.50-10(a) 46 CFR 95.50-10	
GH02.3	Verify installation of smoke detector	46 CFR 76.27-80 46 CFR 95.05-(1)(a)	
GH02.4	Examine space construction material	46 CFR 32.85-1, .57-10(b) 46 CFR 72.03-15 46 CFR 92.05-10, .07-10(b) SOLAS 20 II-2/9.2.3.3.2	
GH02.5	Verify electrical installations	46 CFR 32.45-1 & 77.05-1 46 CFR 96.05-1 & 111.105-43 SOLAS 20 II-1/45.10	
GH02.6	Verify means to secure ventilation	46 CFR 34.15-35 & 72.15-15 46 CFR 76.15-35 46 CFR 92.15-10 & 111.103-7 SOLAS 20 II-2/9.7	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval, characteristics of the extinguishing agent and operation and be familiar with explosion-proof and/or intrinsically safe electrical equipment.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## General Health &amp; Safety Inspection (GH)

D, H &amp; I Vessels

**Task:** COR-GH03 Inspect general emergency alarm system**Condition:** During general health and safety inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  2. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  3. Title 46, Code of Federal Regulations Part 77 Passenger Vessels - Control and Miscellaneous Systems and Equipment
  4. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  5. Title 46, Code of Federal Regulations Parts 96, 97 & 113
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
GH03.1	Verify location and operation of contact makers	46 CFR 32.25-1 & 77.05-1 46 CFR 96.05-1 & 113.25-5 & -11 SOLAS 20 III/6.4.2	
GH03.2	Verify location and operation of audible signals	46 CFR 32.25-1 & 77.05-1 46 CFR 96.05-1 & 113.25-9 SOLAS 20 III/6.4.3	
GH03.3	Verify location and operation of emergency red-flashing lights (if needed)	46 CFR 32.25-1 & 77.05-1 46 CFR 96.05-1 46 CFR 113.25-10	
GH03.4	Verify markings	46 CFR 35.40-1 & -5, 78.47-5 & -7 46 CFR 97.37-5 & -7 46 CFR 113.25-20	
GH03.5	Verify location and operation of public address system	46 CFR 32.25-1 & 77.05-1 46 CFR 96.05-1 & 113.50-5 & 10 SOLAS 20 III/6.4.2 & 5	
GH03.6	Verify operation of loud speakers	46 CFR 32.25-1, 77.05-1, 46 CFR 96.05-1, 113.50-15 SOLAS 20 III/4.2	
GH03.7	Verify operations with emergency power source	46 CFR 32.25-1 & 77.05-1 46 CFR 96.05-1 & 113.25-6 SOLAS 20 III/6.4.2	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. It is critical to ensure that the public address system interrupts all other audible systems.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

**Lifesaving Equipment Inspection (LS)**

**D, H & I Vessels**

**Task:** COR-LS01 Inspect work vests

**Condition:** During lifesaving equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  2. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  3. Title 46, Code of Federal Regulations Part 97 Cargo & Miscellaneous Vessels - Operations

Steps		References	Initials
LS01.1	Verify type approval	46 CFR 35.03-5 46 CFR 78.36-5 46 CFR 97.34-5	
LS01.2	Verify stowage	46 CFR 35.03-15 46 CFR 78.36-15 46 CFR 97.34-15	
LS01.3	Examine condition and serviceability	46 CFR 35.03-20 46 CFR 78.36-20 46 CFR 97.34-20	
LS01.4	Examine hybrid work vests	46 CFR 35.03-25 46 CFR 78.36-25 46 CFR 97.34-25	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Lifesaving Equipment Inspection (LS)

D, H &amp; I Vessels

**Task:** COR-LS02 Inspect life jackets**Condition:** During lifesaving equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 91 Cargo & Miscellaneous Vessels - Inspection & Certification
  4. Title 46, Code of Federal Regulations Parts 160 & 199
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. NVIC 08-04 CH-1 Guide to Marine Equipment Approvals Covered by US - EC MRA

Steps		References	Initials
LS02.1	Parent cites	46 CFR 31.36-1 46 CFR 71.25-15 46 CFR 91.25-15	
LS02.2	Verify type approval	46 CFR 199.70(b), .620a NVIC 08-04 Ch 1 SOLAS 20 III/4	
LS02.3	Verify quantity	46 CFR 199.70(b)(1), .212(a) 46 CFR Table 199.610 a & b SOLAS 20 III/7.2.1, 22.2 & 26.5	
LS02.4	Verify stowage	46 CFR 199.03(b)(2), .70(b)(2) 46 CFR 199.212(b) SOLAS 20 III/7.2.2	
LS02.5	Verify stowage markings	46 CFR 199.70(b)(2)(iii) SOLAS 20 III/20.10	
LS02.6	Verify operation of lights and whistles	46 CFR 199.70(b)(4) Tables 199.610a, 620a SOLAS 20 III/7.2.1, 22.3 & 32.2	
LS02.7	Verify location and information for donning instructions	46 CFR 199.80(c) SOLAS 20 III/35.2.1 SOLAS 20 III/8.4.3	
LS02.8	Examine condition and suitability	46 CFR 199.45(b)(3) 46 CFR 199.190(a)(b) & (g)(2) 46 CFR 160.006-2	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

## Lifesaving Equipment Inspection (LS)

D, H &amp; I Vessels

**Task:** COR-LS03 Inspect immersion suits**Condition:** During lifesaving equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Parts 91, 160 & 199
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  5. NVIC 08-04 CH-1 Guide to Marine Equipment Approvals Covered by US - EC MRA
  6. NVIC 01-08 Shipboard Inspection and Testing of Immersion Suits

Steps		References	Initials
LS03.1	Parent cites	46 CFR 31.36-1, 71.25-15 & 91.25-15	
LS03.2	Verify type approval	46 CFR 199.273(a) SOLAS 20 III/4 NVIC 08-04 Ch 1	
LS03.3	Verify quantity and size	46 CFR 199.03(b)(13), .70(c), .214 46 CFR 199.273(a)(b), Table .610(b)(c) SOLAS 20 III/32.3.2, 7.3	
LS03.4	Verify stowage	46 CFR 199.03(b)(2), .70(c)(2) 46 CFR 199.273(b) SOLAS 20 III/32.3.4, 22.4	
LS03.5	Verify stowage location markings	46 CFR 199.70(c) & (d) SOLAS 20 III/20.10	
LS03.6	Examine lights	46 CFR 199.70(c)(4)(i), Table 610(a) SOLAS 20 III/7.3, 32.3.2 SOLAS 20 III/22.4	
LS03.7	Examine whistle	46 CFR 199.70(c)(4)(ii), Table .610(a) SOLAS 20 III/7.3, 22.4 SOLAS 20 III/32.3	
LS03.8	Examine condition and suitability	46 CFR 199.45(b)(3) 46 CFR 199.180(a)(2) NVIC 01-08	
LS03.9	Verify location and information for donning instructions	46 CFR 199.180(a) (1) & (2) SOLAS 20 III/35.3.2	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. It is important that trainees know what components are required for proper servicing/maintenance of immersion suits.

**Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**



**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF01 Review approved Safety Plan (Fire-Control Plan)

**Condition:** While on deck walk

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  3. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  4. Title 46, Code of Federal Regulations Parts 78, 91
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. IMO Resolution A.952(23) Graphical Symbols for Shipboard Fire Control Plans

Steps		References	Initials
FF01.1	Parent cites	46 CFR 35.10-3(a) 46 CFR 78.45-1(a)(1) 46 CFR 91.55(d)	
FF01.2	Verify location and approval	46 CFR 31.10-5(a), 71.65-5(d) 46 CFR 91.55-5(d) SOLAS 20 II-2/15.2.4	
FF01.3	Verify equipment installation to approved plan	SOLAS 20 II-2/15.2.4.1	
FF01.4	Verify use of international symbols	SOLAS 20 II-2/15.2.4 IMO Res A.952(23)	
FF01.5	Verify structural fire protection is identified	SOLAS 20 II-2/15.2.4.1	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of Fire Control Plan nomenclature, format and functions including how to use the information contained therein throughout the inspection.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF02 Inspect areas for compliance with Structural Fire Protection (SFP) requirements

**Condition:** During inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  2. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  3. Title 46, Code of Federal Regulations Parts 72,78, 92 & 97
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  5. NVIC 09-97 Ch-1 Guide to Structural Fire Protection
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
FF02.1	Verify installation in accordance with approved Fire Safety Plan	46 CFR 35.10-3(a) & 78.45-1(a)(1) 46 CFR 97.36-1(a) & NVIC 09-97 Ch-1 SOLAS 20 II-2/15.2.4	
FF02.2	Verify equivalencies and design assumptions	46 CFR 30.15, 70.15 & 90.15, SOLAS 20 I/5 & II-2/17 NVIC 09-97 Para 1.2	
FF02.3	Verify type approval categories	NVIC 09-97 Para 1.3	
FF02.4	Verify approvals of structural fire protection materials	NVIC 09-97 Chap 2	
FF02.5	Verify bulkhead and deck classifications	46 CFR 32.57-10, 72.05-10 & 92.07-10 SOLAS 20 II-2/9.2.2, 2.3, 2.4 & 3 NVIC 09-97 Chap 3	
FF02.6	Verify condition of draft stops	46 CFR 32.56-45, 72-05-10 (h), SOLAS 20 II-2/8.4	
FF02.7	Verify configuration of atriums, balconies and multiple level spaces	46 CFR 72.05-5 (m) & 92.07-10 NVIC 09-97 para 3.8 SOLAS 20 II-2/9.2.2.6 & .7	
FF02.8	Verify boundaries are maintained	46 CFR 32.56, .57 & 72.05 46 CFR 92.07-10 SOLAS 20 II-2/9.1.3	
FF02.9	Verify no unapproved modifications	46 CFR 32.56 & .57 46 CFR 72.05 & 92.07-10 MSM II/7(2)(c)(2)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of structural fire protection classification, fire ratings and application. In particular, the appropriate compatibility of boundaries with regards to adjacent spaces and bulkhead/deck penetrations.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF03 Inspect fire boundary closures

**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  4. Title 46, Code of Federal Regulations Parts 61, 70, 76, 78, 90, 92, 95 and 111
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
FF03.1	Parent cites	46 CFR 31.30-1, 35-1 46 CFR 70.20-1, 25-1 46 CFR 90.20-1, 25-1	
FF03.2	Verify display of general arrangement plans	46 CFR 35.10-3(a) 46 CFR 78.45-1(a)(1) 46 CFR 97.36-1(a)	
FF03.3	Witness operation of local and remote controls of fire doors as listed on the approved Fire Safety Plan	46 CFR 32.56-35, 71.25-25(a)(3) 46 CFR 72.05-25(b)(9) 46 CFR 92.07-10 (d)(4) 46 CFR 111.99-5 46 CFR 61.40-6, -10 SOLAS 20 II-2/14.2.2	
FF03.4	Witness operation of local and remote controls of fire damper as listed on the approved Fire Safety Plan	46 CFR 32.56-60 & 72.15-15(a) 46 CFR 92.15-10(a) 46 CFR 61.40-6, -10 SOLAS 20 II-2/14.2.2	
FF03.5	Verify dampers and fire doors close during power ventilation shutdowns as listed on the approved Fire Safety Plan	46 CFR 32.56-60(b) 46 CFR 72.15-15(b) 46 CFR 92.15-10(b) 46 CFR 111.99-5, 103-1 & -3	
FF03.6	Verify operation of closures for spaces protected by carbon dioxide or clean agent extinguishing system	46 CFR 34.15-35 46 CFR 76.15-35 46 CFR 95.15-35, .16-30	
FF03.7	Verify remote controls and fire dampers are marked	46 CFR 78.47-53 46 CFR 111.103-1(b)(2), -7	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of structural fire protection classification, requirements and application.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF04 Inspect primary fire main and pump(s)**Condition:** During firefighting equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  3. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
  4. Title 46, Code of Federal Regulations Parts 76 & 95
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. NVIC 06-72 Ch-1 Guide to Fixed Fire-Fighting Equipment Aboard Merchant Vessels

Steps		References	Initials
FF04.1	Verify number	46 CFR 34.10-5(a) & 76.10-5(a) 46 CFR 95.10-5(a) SOLAS 20 II-2/10.2.2.2	
FF04.2	Verify capable of providing adequate pressure	46 CFR 34.10-5(b), 76.10-5(c) 46 CFR 95.10-5(c) SOLAS 20 II-2/10.2.1.6 & 2.2.4 NVIC 06-72 Encl. 1/C.2.1	
FF04.3	Verify fitted with relief valve(s)	46 CFR 34.10-5(d) & 76.10-5(d) 46 CFR 95.10-5(d) NVIC 06-72 Encl 1/I.A.6 & 1/C2.6 SOLAS 20 II-2/10.2.1.4.3	
FF04.4	Verify fitted with gauge	46 CFR 34.10-5(e) 46 CFR 76.10-5(e) & 95.10-5(e) NVIC 06-72 Encl. 1/I.B.9	
FF04.5	Verify distribution valves labeled	46 CFR 34.10-15(c) 46 CFR 76.10-15(b) 46 CFR 95.10-15(b)	
FF04.6	Verify condition of system piping, fittings, valves, flanges	46 CFR 31.10-18(f) & 19, 71.25-20(a) 46 CFR 91.25-20(a) & 56.10 thru .25 NVIC 06-72 Encl 1/I.C.2	
FF04.7	Verify operation of remote control(s)	46 CFR 31.10-18(f), 71.20-20, -25(a)(4), 91.15-1, .25-20(a)(3) 46 CFR 61.40-6 & 62.35-15,.50-20(d) NVIC 06-72 Encl. 1/I.C.2.4	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the system components, functions and operation.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF05 Inspect fire stations

**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Parts 34, 35, 76, 78, 95 & 97
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  5. NVIC 06-72 Ch-1 Guide to Fixed Fire-Fighting Equipment Aboard Merchant Vessels
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
FF05.1	Verify number of hydrants Y/Wye gates	46 CFR 34.10-10(h), 76.10-10(d) & 95.10-10(d), SOLAS 20 II-2/10.2.1.5	
FF05.2	Verify hoses meet required length, size, markings & quantity	46 CFR 32.05, 76.10-10 95.10-10 SOLAS 20 II-2/10.2.3 MSM II/C.2.I.6	
FF05.3	Verify compliance with periodic hydro testing	46 CFR 31.10-18(f), 71.25-20(a)(4) 46 CFR 91.25-20(a)(4) SOLAS 20 II-2/14.2.2 NVIC 06-72 Encl. 1/I.C.2	
FF05.4	Verify operation of valves	46 CFR 31.10-18(e), 71.25-20(a)(3) 46 CFR 91.25-20(a)(3) NVIC 06-72 Encl. 1/I.C.2.3 SOLAS 20 II-2/10.2.1.5	
FF05.5	Verify spanner	46 CFR 34.10-10(d), 76.10-10(g) 46 CFR 95.10-10(g) SOLAS 20 II-2/10.2.3.1.1	
FF05.6	Verify low velocity spray applicator	46 CFR 34.10-10(e)(f) & (o) 46 CFR 34.10-90(a)(11) & (b)(2) 46 CFR 76.10-10(j) & (k), 76.10-90(a) 46 CFR 95.10-10(i), (j), & (k), 95.10-90(a) & (e)	
FF05.7	Verify markings	46 CFR 35.40-15, 78.47-20 & 97.37-15	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment components, functions and operation.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF06 Inspect portable fire extinguishers**Condition:** During firefighting equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Parts 34, 35, 71, 78, 91, 95, 97 & 147
  3. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  4. NFPA 10 Standard for Portable Fire Extinguishers, 2010 Edition
  5. NVIC 13-86 Use of Underwriters Laboratories (UL) Listed Fire Extinguishers
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
FF06.1	Confirm locations with approved safety plan (Fire Control Plan)	46 CFR 35.10-3(a) & 78.45-1(a)(1) 46 CFR 97.36-1(a) SOLAS 20 II-2/15.2.4	
FF06.2	Verify inspection/maintenance compliance	46 CFR 31.10-18(a), 71.25-20(a)(1) 46 CFR 78.17-80, 91.25-20(a)(1), NFPA 10 Chap 7 & 8 SOLAS 20 II-2/14.2.2	
FF06.3	Examine condition of cylinders and hoses	46 CFR 31.10-18(a) & 71.25-20(a)(1) 46 CFR 91.25-20(a)(1) NFPA 10 Chapter 7	
FF06.4	Verify type, quantity and locations	46 CFR 34.50-10, 76.50-10, 95.50-10 46 CFR 147.45(i)2 MSM II/C.2.I.3 & .4 SOLAS 20 II-2/10.3.2, 19.3.7 & 20.6.2	
FF06.5	Verify markings	46 CFR 34.05-10(a), .35.40-25 & -40 46 CFR 76.05-25(a), .78.47-30 46 CFR 95.05-15(a), .97.37-23 NVIC 13-86, MSM II/C.2.I.3	
FF06.6	Confirm spare charges	46 CFR Table 34.50-10(a), 46 CFR Table 76.50-10(a) 46 CFR Table 95.50-10(a) SOLAS 20 II-2/10.3.3	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment components, functions, type approval and operation.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF07 Inspect semi-portable fire extinguishers**Condition:** During firefighting equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  3. Title 46, Code of Federal Regulations Parts 35, 71, 76,78, 91, 95 & 97
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  6. NFPA 10 Standard for Portable Fire Extinguishers, 2010 Edition

Steps		References	Initials
FF07.1	Confirm locations with approved safety plan (Fire Control Plan)	46 CFR 35.10-3(a) & 78.45-1(a)(1) 46 CFR 97.36-1(a) SOLAS 20 II-2/15.2.4	
FF07.2	Verify inspection/maintenance compliance	46 CFR 31.10-18(a), 71.25-20(a)(1), .78.17-80 46 CFR 91.25-20(a)(1), NFPA 10 Chap 7 & 8 SOLAS 20 II-2/14.2.2	
FF07.3	Examine stowage, condition of cylinders and hoses	46 CFR 31.10-18(a), 34.50-20 46 CFR 71.25-20(a)(1) 46 CFR 76.50-20, 46 CFR 91.25-20(a)(1), 95.50-20, NFPA 10, Chap 7	
FF07.4	Verify type, quantity and locations	46 CFR 34.50-10, 76.50-10 46 CFR 95.50-10 MSM II/C.2.1.4	
FF07.5	Verify markings	46 CFR 34.05-10(a) 46 CFR 35.40-25 & -40 46 CFR 76.05-25(a), 78.47-30 46 CFR 95.05-15(a), 97.37-23	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment components, functions, type approval and operation. NVIC 13-86 should also be consulted for guidance on the use of UL listed fire extinguishers as an equivalent to CG approved extinguishers.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF08 Inspect fireman's outfits**Condition:** During firefighting equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  2. Title 46, Code of Federal Regulations Part 77 Passenger Vessels - Control and Miscellaneous Systems and Equipment
  3. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  4. Title 46, Code of Federal Regulations Part 96 Cargo & Miscellaneous Vessels - Vessel Control & Misc. Systems & Equipment
  5. Title 46, Code of Federal Regulations Part 97 Cargo & Miscellaneous Vessels - Operations
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
FF08.1	Verify type approval and quantity	46 CFR 35.30-20 ,77.30-1 46 CFR 77.35-1 46 CFR 96.35-5 SOLAS 20 II-2/10.10 & 18.5.1.6	
FF08.2	Verify stowage and markings	46 CFR 35.30-20 & 40-20 46 CFR 77.30-5, 30-10(a) 46 CFR 77.35-5(b) 46 CFR 96.35-5(b), 97.37-20 46 CFR 97.35-15	
FF08.3	Verify locations are marked on safety plan (Fire Control Plan)	46 CFR 35.10-3(a) 46 CFR 78.45-1(a)(1) 46 CFR 97.36-1(a) SOLAS 20 II-2/15.2.4	
FF08.4	Verify condition	46 CFR 35.30-20, 46 CFR 77.30-5 & 35-1 46 CFR 96.35-5 SOLAS 20 II-2/10.10 & 14.2.2.1	
FF08.5	Verify number of spare bottles	46 CFR 35.30-20(c)(1) 46 CFR 77.30-15 & 35-20 46 CFR 96.30-5 & 35-20 SOLAS 20 II-2/10.10.2.5	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment components, functions, type approval and operation. Trainee shall ensure fire outfits are properly sized for fire team members.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:



**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF09 Inspect international shore connection

**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Parts 34, 35, 76, 78, 95 & 97
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. IMO Resolution A.654(16) Graphical Symbols for Fire Control Plans
  4. ASTM F 1626 & F 1121
  5. IMO Resolution A.952(23) Graphical Symbols for Shipboard Fire Control Plans
  6. Approved Safety Plan (Fire Control Plan)

Steps		References	Initials
FF09.1	Verify presence	46 CFR 34.10-15(d) & 76.10-10(c) 46 CFR 95.10-10(c) SOLAS 20 II-2/10.2.1.7	
FF09.2	Verify gaskets and bolts are with the connection	46 CFR 34.10-15(d) & 76.10-10(c) 46 CFR 95.10-10(c), ASTM F 1121 SOLAS 20 II-2/10.2.1.7	
FF09.3	Confirm location with safety plan (Fire Control Plan)	46 CFR 35.10-3(a) & 78.45-1(a)(1) 46 CFR 97.36-1 Fire Control Plan	
FF09.4	Verify symbols for international and domestic routes	46 CFR 35.10-3(a), 78.45-1, 46 CFR 97.36-1(a) IMO Res A.654(16) & ASTM F 1626 IMO Res A.952(23), Fire Control Plan	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment's components and function(s).

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF10 Inspect fire and smoke detecting systems**Condition:** During firefighting equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  3. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
  4. Title 46, Code of Federal Regulations Parts 71, 76, 91, 95 & 113 & 161
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. International Code for Fire Safety Systems (FSS Code), 2015

Steps		References	Initials
FF10.1	Parent cites	46 CFR 34.01-5(b)(2) & -10 46 CFR 76.05-1 46 CFR 95.05-1 & 01-5	
FF10.2	Witness system servicing and testing	46 CFR 31.10-15(b) & 71.25-20 46 CFR 91.25-20, 61.40-6 & -10 SOLAS 20 II-2/7.3.2 & 14.2.2.1	
FF10.3	Verify two sources of power	46 CFR 31.35-5, 70.25-1 46 CFR 90.25-1, 113.10-9 SOLAS 20 II-2/7.2.2	
FF10.4	Verify operation of control unit's visual and audible alarms	46 CFR 76.27-1, 95.05-1 46 CFR 161.002-8 SOLAS 20 II-2/7.4.2	
FF10.5	Verify markings	46 CFR 161.002-4(b) FSS Code 9.2.5.1.3 & 4	
FF10.6	Verify alarms sounds in required locations	46 CFR 76.27-5(d),(e) & (f) 46 CFR 95.05-1 46 CFR 161.002-10(b) SOLAS 20 II-2/7.4.2 & 14 .2.2.1	

**Verifying Officer Guidance:** *Should have working knowledge of equipment components, type approval, operation & confirm equipment was properly reinstalled after any examination, testing or repairs. Trainee needs to be able to review/confirm validity of third party servicing reports.*

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF11 Inspect high pressure CO2 system

**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Parts 31, 34, 35, 61,76, 77, 91, 95 & 97
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  4. NVIC 06-72 Ch-1 Guide to Fixed Fire-Fighting Equipment Aboard Merchant Vessels

Steps		References	Initials
FF11.1	Parent SOLAS cite for steps 3-7	SOLAS 20 II-2/14.2.2.1	
FF11.2	Review safety precautions prior to servicing system	MSM II/C.2.I.5	
FF11.3	Verify servicing	46 CFR 31.10-17(a),.10-18(d) &-19 46 CFR 71.25-20(a)(2)&(3), 46 CFR 91.25-20(a)(2) & (3) NVIC 06-72 Encl. 1/II.D.2	
FF11.4	Verify cylinder stowage/condition	46 CFR 34.15-20, 76.15-20 & 95.15-20 46 CFR 147.60(b) &.65(b)	
FF11.5	Examine material condition of system components	46 CFR 34.15-15 & -20, 76.15-15,& -20 46 CFR 95.15-15 & -20	
FF11.6	Verify piping & nozzles clear	46 CFR 34.15-15 & -25 & 76.15-15 -25 46 CFR 95.15-15 & -25 NVIC 06-72 Encl. 1/II.D.2	
FF11.7	Witness operational test of time delays & alarms	46 CFR 31.10-19, 76.25-20(a),(2) & (3) 46 CFR 91.25-20(a),(2) & (3) SOLAS 20 II-2/10.9.1.1.1	
FF11.8	Verify markings & warning signs posted	46 CFR 35.40-7, -8 & -10 46 CFR 97-37-9,-10,-11,-13 SOLAS 20 II-2/10.4.1.1.1 & .9.1.1.2	
FF11.9	Verify operating instructions posted	46 CFR 34.15-10(h), 76.15-10(h) & 97.37-13 NVIC 06-72 Encl. 1/II.D.2.4	
FF11.10	Verify access to locked supply valves/controls	46 CFR 34.15-10(i), 76.15-10(i) 46 CFR 95.15-10(i),.16-40	
FF11.11	Verify ventilation enclosure operation	46 CFR 34.15-35, 76.15-35 46 CFR 95.15-35, 61.40-6 & -10 NVIC 06-72 Encl. 1/II.D.2	
FF11.12	Verify lockout valve	46 CFR 34.15-50, 76.15-50 & 95.15-50	
FF11.13	Verify presence of odorizing unit	46 CFR 34.15-60, 76.15-60 & 95.15-60	

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF12 Inspect low pressure CO2 system

**Condition:** During firefighting equipment examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  2. Title 46, Code of Federal Regulations Part 76 Passenger Vessels - Fire Protection Equipment
  3. Title 46, Code of Federal Regulations Parts 61 & 95
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  5. Manufacturer's Design, Installation, Operation & Maintenance (DIOM) Manual
  6. Marine Safety Center (MSC) Approved Piping Installation Plan (Piping Plan)

Steps		References	Initials
FF12.1	Examine system plan approval	46 CFR 34.15-1(b) 46 CFR 76.15-1(b) 46 CFR 95.15-1(b)	
FF12.2	Verify servicing	DIOM Manual 46 CFR 61.40-6 & -10 SOLAS 20 II-2/14.2.2.1	
FF12.3	Examine pressure gauge	DIOM Manual	
FF12.4	Verify no unapproved modifications or parts (DIOM & Approved Piping Plan)	DIOM Manual Piping Plan	
FF12.5	Examine refrigeration plant	DIOM Manual	
FF12.6	Inspect visual and audible alarms	DIOM Manual	
FF12.7	Verify CO2 Level and indicator	DIOM Manual	
FF12.8	Conduct visual inspection of external tank	46 CFR 61.10-5(g)	
FF12.9	Witness hydrostatic test and internal	46 CFR 61.10-5(g) & (h)	
FF12.10	Witness test of safety relief valves	46 CFR 61.10-5(i)	
FF12.11	Witness functional test of time delays, alarms & shutdowns	DIOM Manual	
FF12.12	Verify warning signs, markings & operating instructions are posted	DIOM Manual	

**Verifying Officer Guidance:** Trainee should have working knowledge of equipment and be able to review/confirm validity of third party servicing reports.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF13 Inspect automatic sprinkler system

**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 34 Firefighting Equipment
  2. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
  3. Title 46, Code of Federal Regulations Part 76 Passenger Vessels - Fire Protection Equipment
  4. Title 46, Code of Federal Regulations Part 95 Cargo & Miscellaneous Vessels - Fire Protection Equipment
  5. NFPA 13 Standard for the Installation of Sprinkler Systems, 2010

Steps		References	Initials
FF13.1	Parent cites	46 CFR 34.30-1, 46 CFR 76.25-1 46 CFR 95.30-1	
FF13.2	Verify amount and type of spare sprinklers	NFPA 13/25.2.2	
FF13.3	Verify type of pipe, fittings and pipe supports	NFPA 13/25.2.4 & 25.2.5	
FF13.4	Verify type location and markings of control valves	NFPA 13/25.2.6 46 CFR 56.20	
FF13.5	Verify installation of fire department and international shore connections	NFPA 13/25.2.7	
FF13.6	Verify relief valves for wet systems	NFPA 13/25.3.1	
FF13.7	Verify spare detection devices	NFPA 13/25.3.2	
FF13.8	Verify drain line connections	NFPA 13/25.4.11	
FF13.9	Verify installation of alarm signals and devices	NFPA 13/25.4.12	
FF13.10	Verify location of test connections	NFPA 13/25.13	
FF13.11	Verify water supplies	NFPA 13/25.7.1	
FF13.12	Verify pressure tank components	NFPA 13/25.7.2	

**Verifying Officer Guidance:**

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Firefighting Systems Inspection (FF)**

**D, H & I Vessels**

**Task:** COR-FF13 Inspect automatic sprinkler system (con't)

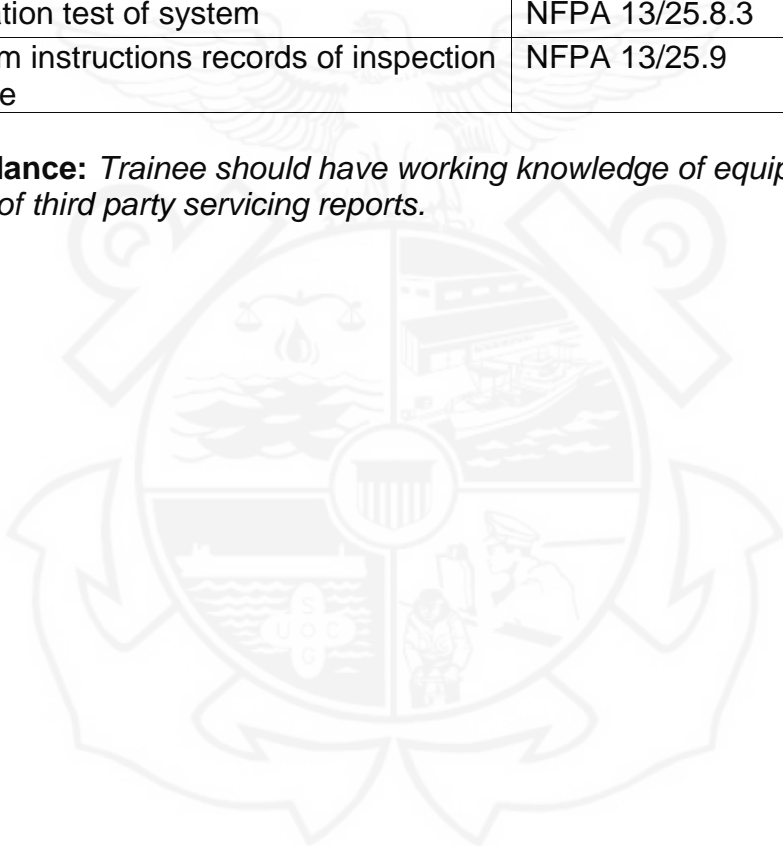
**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. NFPA 13 Standard for the Installation of Sprinkler Systems, 2010

Steps		References	Initials
FF13.13	Verify fire pump operation	NFPA 13/25.7.3	
FF13.14	Verify water supply configuration	NFPA 13/25.7.4	
FF13.15	Verify operation test of system	NFPA 13/25.8.3	
FF13.16	Verify system instructions records of inspection are presence	NFPA 13/25.9	

**Verifying Officer Guidance:** Trainee should have working knowledge of equipment and be able to review/confirm validity of third party servicing reports.



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Firefighting Systems Inspection (FF)

D, H &amp; I Vessels

**Task:** COR-FF14 Inspect fixed foam firefighting systems**Condition:** During firefighting equipment examination**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  3. Title 46, Code of Federal Regulations Parts 71,76, 91 & 95
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
FF14.1	Review SOLAS requirements	SOLAS 20 II-2/10.4.1.1.2 SOLAS 20 II-2/20.6.1.3	
FF14.2	Verify required foam quantity	46 CFR 34.17-5, 76.17-5 & 95.17-5 SOLAS 20 II-2/10.9.2	
FF14.3	Verify approval of foam agents, containers, measuring devices, etc.	46 CFR 34.17-10(a), 76.17-10(a) 46 CFR 95.17.10(a) SOLAS 20/II-2/10.4.1.1.2	
FF14.4	Verify all controls, valve locations and markings	46 CFR 34.17-10(b) & (d), 35.40-17 46 CFR 76.17-10(b) & (d) 46 CFR 95.17.10(b) & (d)	
FF14.5	Verify pump start locations	46 CFR 34.17-10(b) & 76.17-10(b) 46 CFR 95.17.10(b)	
FF14.6	Review instructions and verify locations	46 CFR 34.17-10(c) & 76.17-10(c) 46 CFR 95.17.10(c)	
FF14.7	Examine maintenance plan, materiel condition of piping and discharge outlets	46 CFR 34.17-15 & -20, 76.17-15 & -20 46 CFR 95.17-15 & -20 SOLAS 20 II-2/14.4.2	
FF14.8	Verify additional requirements for machinery spaces	46 CFR 34.17-25, 76.17-25 46 CFR 95.17-25 SOLAS 20 II-2/10.5.1.2.1 & .2	
FF14.9	Verify system operation	46 CFR 31.10-18 (c) & (d) 46 CFR 71.25-20(a)(2) 46 CFR 91.25-20(a)(2)	
FF14.10	Review deck foam system details, controls, operation, testing and liquid certificate (D only)	46 CFR 31.10-18(d) & 34.20 SOLAS 20 II-2/10.7.1.1, 8.1.1.2 & 9.1.2,	

**Verifying Officer Guidance:** Trainee should have working knowledge of equipment and be able to review/confirm validity of third party servicing reports.

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

**Firefighting Systems Inspection (FF)**

**D, H, & I Vessels**

**Task:** COR-FF15 Inspect fire axes

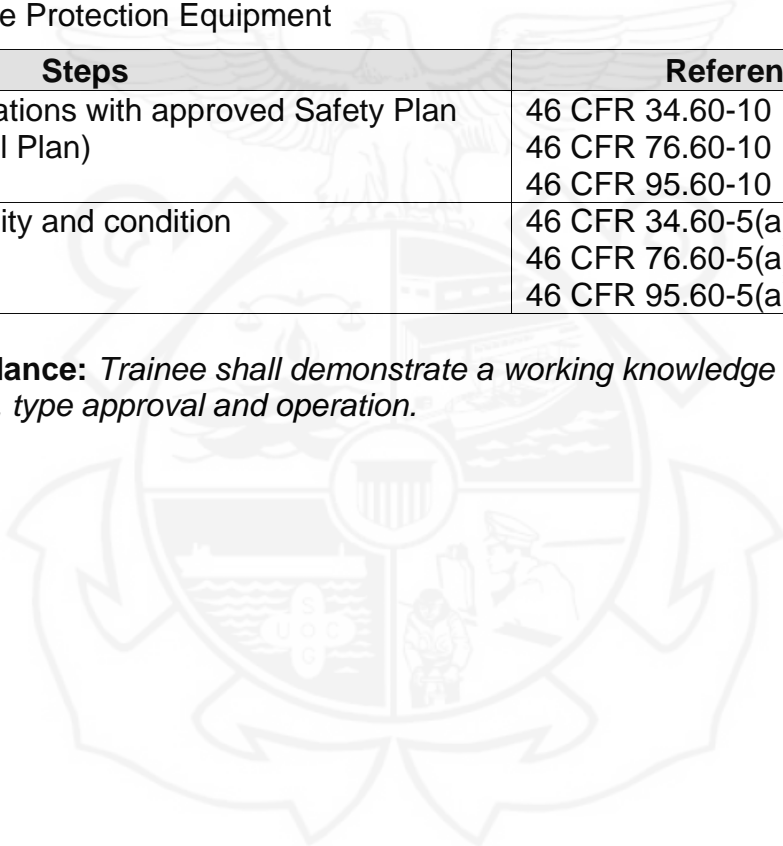
**Condition:** *During firefighting equipment inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 34 Tank Vessels - Firefighting Equipment
  2. Title 46, Code of Federal Regulations Part 76 Passenger Vessels - Fire Protection Equipment
  3. Title 46, Code of Federal Regulations Part 95 Cargo & Miscellaneous Vessels - Fire Protection Equipment

Steps		References	Initials
FF15.1	Confirm locations with approved Safety Plan (Fire Control Plan)	46 CFR 34.60-10 46 CFR 76.60-10 46 CFR 95.60-10	
FF15.2	Verify quantity and condition	46 CFR 34.60-5(a) 46 CFR 76.60-5(a) 46 CFR 95.60-5(a)	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment's components, functions, type approval and operation.*



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES01 Inspect battery installation

**Condition:** *During machinery equipment inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements

Steps		References	Initials
ES01.1	Parent cites	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES01.2	Determine categories	46 CFR 111.15-3	
ES01.3	Verify installation	46 CFR 111.15-5(a)-(d)	
ES01.4	Verify nameplates	46 CFR 111.15-5(e)	
ES01.5	Verify liner spacing	46 CFR 111.15-5-(f) & (g)	
ES01.6	Verify ventilation	46 CFR 111.15-10	
ES01.7	Verify operation of power ventilation interlock with charger	46 CFR 111.15-10(b)(4)	
ES01.8	Verify connections	46 CFR 111.15-20	
ES01.9	Verify presence of overload and reverse current protective device	46 CFR 111.15-25	
ES01.10	Verify means of charging	46 CFR 111.15-30	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment components, function and safe operation.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES02 Inspect motor controllers

**Condition:** During machinery equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements

Steps		References	Initials
ES02.1	Parent cities	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES02.2	Verify installation	46 CFR 111.70-3(a)	
ES02.3	Verify marking(s)	46 CFR 111.70-3(d)(1)	
ES02.4	Verify wiring diagram in enclosure	46 CFR 111.70-3(d)(2)	
ES02.5	Verify interlocks	46 CFR 111.70.7(d)	
ES02.6	Verify drip-proof/watertight	46 CFR 111.01-3(a) 46 CFR 111.01-9(a)	
ES02.7	Verify low voltage release motor controller for vital systems	46 CFR 111.70-3(b)	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment components, function and safe operation.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES03 Inspect lighting systems/fixtures

**Condition:** *During inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
ES03.1	Parent cites	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES03.2	Verify lighting	46 CFR 111.75-15 SOLAS 20 II-2/41	
ES03.3	Examine condition and installation of fixtures	46 CFR 111.75-20	
ES03.4	Verify lighting branch circuits	46 CFR 111.75-5	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment components, function and safe operation.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES04 Inspect emergency lighting

**Condition:** *During inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 35 Tank Vessels - Operations
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  5. Title 46, Code of Federal Regulations Parts 90, 97, 111 & 112
  6. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
ES04.1	Parent cites	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES04.2	Verify location	46 CFR 112.05-5, .15-1 & .43 46 CFR 111.75-15(c)(2) SOLAS 20 II-1/43.2.1/2.2	
ES04.3	Verify operation	46 CFR 111.75-15(c)(2) SOLAS 20 II-1/43	
ES04.4	Verify operation of embarkation station lighting	46 CFR 111.75-16 SOLAS 20 II-1/43	
ES04.5	Verify markings	46 CFR 35.40-6 46 CFR 78.47-33 46 CFR 97.37-25	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment components, function and safe operation.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES05 Inspect panelboards (distribution panels)

**Condition:** *During inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
  5. IEEE Std 45, Recommended Practice for Electrical Installations on Shipboard, 2002

Steps		References	Initials
ES05.1	Parent cites	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES05.2	Verify presence of dead front (blanks), panel construction and rating	46 CFR 111.40-1, -5 & -13	
ES05.3	Verify accessibility	46 CFR 111.40-7	
ES05.4	Verify operation of locking device	46 CFR 111.40-9	
ES05.5	Review breaker numbering and information on directory card	46 CFR 111.40-11	

**Verifying Officer Guidance:**

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES06 Inspect electrical cables and fixtures

**Condition:** During machinery equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
  5. IEEE Std 45, Recommended Practice for Electrical Installations on Shipboard, 2002

Steps		References	Initials
ES06.1	Parent cites	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES06.2	Verify supports for vertical and horizontal installations	46 CFR 111.60-5 IEEE 45-2002 25.5	
ES06.3	Verify radius of bends	IEEE 45-2002 25.6	
ES06.4	Verify no hazardous conditions exist	46 CFR 111.60-17 & -19	
ES06.5	Verify condition of outlets	46 CFR 111.79-1 46 CFR 111.81-1	
ES06.6	Verify use of flexible cords	46 CFR 111.60-13 IEEE 45-2002 24.6.1	
ES06.7	Verify material condition/installation of fixtures	46 CFR 111.75-20	
ES06.8	Verify wire type and conductor size	46 CFR 111.60-1 thru -4 & -11	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment nomenclature, function and safe operation.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Electrical Systems Inspection (ES)**

**D, H & I Vessels**

**Task:** COR-ES07 Inspect components installed in designated hazardous locations

**Condition:** During machinery equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  3. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements

Steps		References	Initials
ES07.1	Parent cites	46 CFR 31.35-1 46 CFR 70.25-1 46 CFR 90.25-1	
ES07.2	Verify hazardous areas	46 CFR 111.105-1 & -3 46 CFR 111.105-9 & -11 46 CFR 111.105-41	
ES07.3	Verify equipment for hazardous locations	46 CFR 111.105-7 & -19	
ES07.4	Verify equipment integrity	46 CFR 111.105-5 & -15	
ES07.5	Verify wiring methods	46 CFR 111.105-17	
ES07.6	Verify ventilation fan non-sparking	46 CFR 111.105-21	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment components, function and safe operation. Trainee shall clearly state the risks that equipment installed in hazardous areas pose to the vessel and personnel.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Structural/Watertight Integrity Inspection (SW)

D, H &amp; I Vessels

**Task:** COR-SW01 Inspect hatches and Class-1 watertight doors**Condition:** During structural/watertight integrity inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 72 Passenger Vessels - Construction & Arrangement
  3. Title 46, Code of Federal Regulations Part 78 Passenger Vessels - Operations
  4. Title 46, Code of Federal Regulations Part 93 & 97
  5. Title 46, Code of Federal Regulations Part 170 Stability Requirements for All Inspected Vessels
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
SW01.1	Parent cites	46 CFR 31.10-30 46 CFR 72.30-1 46 CFR 93.01-1	
SW01.2	Verify condition of knife edges	MSM II/B.1.E.5	
SW01.3	Verify condition of gasket material	MSM II/B.1.E.5	
SW01.4	Verify watertight integrity between gasket and knife edge	46 CFR 170.270(a) &(b) MSM II/B.1.E.5	
SW01.5	Verify location, condition and operation of hinges and dogging devices	46 CFR 170.255(a) MSM II/B.1.E.5	
SW01.6	Verify design ,operation, installation and testing of quick-acting closing-device	46 CFR 170.270 46 CFR 170.255(d)	
SW01.7	Verify operation of indicator lights at the control station	46 CFR 170.255(e) 46 CFR 170.270(e)	
SW01.8	Verify doors are installed in permissible locations	46 CFR 170.255	
SW01.9	Verify markings (H & I only)	46 CFR 78.47-37 (a)& (b) 46 CFR 97.37-60	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment components, function and operation.*

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:



**Structural/Watertight Integrity Inspection (SW)**

**D, H & I Vessels**

**Task:** COR-SW02 Inspect Class 2 & 3 watertight doors

**Condition:** During structural/watertight integrity inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Parts 72, 93 & 170
  3. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  5. ASTM F1196 Standard Specification for Sliding Watertight Door Assemblies, 2008
  6. ASTM F1197 Standard Specification for Sliding Watertight Door Control Systems, 2007

Steps		References	Initials
SW02.1	Parent cites	46 CFR 31.10-30 46 CFR 72.30-1 46 CFR 93.01-1	
SW02.2	Verify operation of remote/local controls	46 CFR 170.270(c)(2) ASTM F1197/7.1	
SW02.3	Verify design ,operation, installation and testing of quick-acting closing-device	46 CFR 170.270(c)(1) ASTM F1196/6.3 MSM II/B.1.E.5	
SW02.4	Verify operation of alarms	46 CFR 170.270(c)(1) & (2) ASTM F1197/11.5	
SW02.5	Verify closing times are in compliance	46 CFR 170.270(c)(1) & (2) ASTM F1197/11.2 & 11.4	
SW02.6	Verify markings	46 CFR 170.270(c)(1) & (2) 46 CFR 78.47-37(a) ASTM F1196/11.1	
SW02.7	Verify watertight integrity	46 CFR 170.270(c)(1) & (2) ASTM F1196/S1 MSM II/B.1.E.5	
SW02.8	Verify operation of doors under reserve power	46 CFR 170.270(c)(3) 46 CFR 170.015 ASTM F1197/S3	
SW02.9	Verify watertight doors are installed in permissible locations	46 CFR 170.260 & .265 SOLAS 20 II-2/13-1	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of equipment components, function and operation.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Structural/Watertight Integrity Inspection (SW)**

**D, H & I Vessels**

**Task:** COR-SW03 Inspect watertight bulkhead penetrations

**Condition:** *During structural/watertight integrity inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
  3. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  4. Title 46, Code of Federal Regulations Parts 91 & 171
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
SW03.1	Parent cites	46 CFR 31.10-30 46 CFR 71.25-35 46 CFR 91.25-35	
SW03.2	Verify locations	46 CFR 171.111(g)	
SW03.3	Verify ability to seal	46 CFR 56.50-1 MSM II/B.1.B.5	
SW03.4	Verify sealing material approvals	46 CFR 56.50-1 SOLAS 20 II-2/11	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of equipment components, function and operation. Also, clearly state the reasons for maintaining effective watertight boundaries especially with regards to bulkhead/deck penetrations.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Structural/Watertight Integrity Inspection (SW)**

**D, H & I Vessels**

**Task:** COR-SW04 Inspect hull structure

**Condition:** *During structural/watertight integrity inspection*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  4. Title 46, Code of Federal Regulations Part 72 Passenger Vessels - Construction & Arrangement
  5. Title 46, Code of Federal Regulations Parts 91 & 92
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
SW04.1	Examine for damage, wastage and fractures	46 CFR 32.60-1 & 72.01-15 & 46 CFR 92.01-10 MSM II/B.1.B.1	
SW04.2	Verify no unauthorized repairs	46 CFR 31.10-25 46 CFR 71.55-5 46 CFR 91.45-5	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of vessel scantling nomenclature.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Pollution Prevention Inspection (PP)

D, H &amp; I Vessels

**Task:** COR-PP01 Inspect pollution prevention equipment**Condition:** During pollution prevention inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 154 Facilities Transferring Oil or Hazardous Materials in Bulk
  2. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
  3. Title 33, Code of Federal Regulations Part 156 Oil & Hazardous Material Transfer Operations
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
PP01.1	Verify communication between participants in transfer operations	33 CFR 155.785	
PP01.2	Verify transfer hoses tested and marked	33 CFR 155.800 33 CFR 154.500 MSM II/B.6.E.8	
PP01.3	Verify locations of pollution/MARPOL placards	33 CFR 155.450	
PP01.4	Verify condition of hose and manifold connections	33 CFR 156.130 & 170(1)	
PP01.5	Verify condition and size of containment	33 CFR 155.320 MSM II/B.6.D.6	
PP01.6	Verify containment closures	33 CFR 156.120(n) 33 CFR 156.120(o)	
PP01.7	Verify sufficient lighting	33 CFR 155.790	
PP01.8	Verify signed copies of Declaration of Inspection are present	33 CFR 156.150(f) MSM II/B.6.E.6	

**Verifying Officer Guidance:** Trainee shall demonstrate working knowledge of pollution prevention equip requirements (33 CFR 155.100 & MSM II/B.6.D.1). Portable radio devices used during transfer of flammable/combustible liquids must be intrinsically safe (Class 1, Div 1, Group D).

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

**Emergency Drills (ED)**

**D, H & I Vessels**

**Task:** COR-ED01 Evaluate fire drill

**Condition:** While conducting emergency drills

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Parts 91 & 199
  4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  5. International Safety Management (ISM) Code, 2018
  6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
ED01.1	Parent cites	46 CFR 31.36-1 46 CFR 71.25-15 46 CFR 91.25-15	
ED01.2	Witness drill	46 CFR 199.250 SOLAS 20 III/19.2.1 MSM II/B.1.P.3.v	
ED01.3	Verify crew's ability to organize	46 CFR 199.180(f) SOLAS 20 III/19.3.4.2.1 ISM Code A/8	
ED01.4	Verify crew's familiarity with their duties and use of equipment	46 CFR 199.180(f) SOLAS 20 III/19.3.4.2.1	
ED01.5	Verify firefighting gear is compatible and complete	46 CFR 199.180(f)(3) SOLAS 20 III/19.3.4.2.3	
ED01.6	Verify operation of alarms	46 CFR 199.180(f)(3) SOLAS 20 III/19.3.4.2.1- .6	
ED01.7	Verify effective communication with master	46 CFR 199.180(f)(2)(iv) SOLAS 20 III/19.3.4.2.4	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of proper use of emergency equipment, acceptable crew performance criteria and the importance of conducting a pre/post-brief with vessel's master and the crew.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Emergency Drills (ED)**

**D, H & I Vessels**

**Task:** COR-ED02 Evaluate abandon ship drill

**Condition:** While conducting emergency drills

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 91 Cargo & Miscellaneous Vessels - Inspection & Certification
  4. Title 46, Code of Federal Regulations Part 199 Lifesaving Appliances & Arrangements
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended

Steps		References	Initials
ED02.1	Parent cites	46 CFR 31.36-1 46 CFR 71.25-15 46 CFR 91.25-15	
ED02.2	Witness drill	46 CFR 199.180(d) SOLAS 20 III/19.3.3	
ED02.3	Verify general alarm and public address announcements	46 CFR 199.180(d) SOLAS 20 III/19.3.3.1.1	
ED02.4	Verify crew's familiarity with assigned duties	46 CFR 199.180(b) SOLAS 20 III/19.3.3.1.2 STCW A-VI/1-1	
ED02.5	Evaluate crew are suitably dressed and proficient in donning lifejackets and/or immersion suits	46 CFR 199.180(d) SOLAS 20 III/19.3.3.1.3 & .4 STCW A-VI/1-1	
ED02.6	Witness operation of davit launching lifeboat or rescue boat	46 CFR 199.180(d) SOLAS 20 III/19.3.3.1.5	
ED02.7	Witness operation of lifeboat or rescue boat engine	46 CFR 199.180(d) SOLAS 20 III/19.3.3.1.6	
ED02.8	Witness operation of davit launching liferafts	46 CFR 199.180(d) SOLAS 20 III/19.3.3.1.7	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of proper use of emergency equipment, acceptable crew performance criteria and importance of conducting a pre/post-brief with vessel's master and the crew.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Emergency Drills (ED)**

**D, H & I Vessels**

**Task:** COR-ED03 Evaluate security drill

**Condition:** While conducting emergency drills

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 104 Maritime Security - Vessels
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Ship & Port Facility Security (ISPS) Code, 2012
  4. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended
  5. NVIC 04-03 Guidance for Verification of Vessel Security Plans on Domestic Vessels Chs 1, 2 & 3

Steps		References	Initials
ED03.1	Review procedures contained in security plan	33 CFR 104.230(b)(2) ISPS Code A/9.4.4 NVIC 04-03 Encl. 3/12.B	
ED03.2	Witness drill	33 CFR 104.230(a) SOLAS 20 XI-2/4.2 ISPS Code A/13.4	
ED03.3	Evaluate crew's response	33 CFR 104.220 ISPS Code A/13.3 STCW A-VI/6	
ED03.4	Verify control and communication	33 CFR 104.245 ISPS Code A/7.2.7	
ED03.5	Verify implementation of plan procedures	33 CFR 104.230(a) ISPS Code A/9.4	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of proper use of emergency equipment, acceptable crew performance criteria and importance of conducting a pre/post-brief with vessel's master or security officer.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Internal Structural Examination (IS)**

**D, H & I Vessels**

**Task:** COR-IS01 Verify confined spaces are safe for entry

**Condition:** Prior to entry of any confined spaces during inspection or examining repair work

**Standard:** In compliance with applicable policies, laws, regulations, and standards

- References:**
1. Title 29, Code of Federal Regulations Part 1915 Occupational Safety & Health Standards for Shipyard Employment
  2. COMDTINST M5100.47C Safety and Environmental Health Manual
  3. NFPA 306 Standard for the Control of Gas Hazards on Vessels
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
IS01.1	Review Marine Chemist Certificate	29 CFR 1915.12(f) CIM 5100.47C 13.B.3 NFPA 306/4.3	
IS01.2	Verify Competent Person has maintained Marine Chemist Certificate	29 CFR 1915.15 CIM 5100.47C 13.B.8 NFPA 306/4.6.2	
IS01.3	Verify no changes to vessel's condition	29 CFR 1915.15(b)	
IS01.4	Verify forced ventilation is provided	29 CFR 1915.13(b)(3)	
IS01.5	Verify condition of space access point	29 CFR 1915.76	
IS01.6	Verify compliance with competent person program	MSM II/A.5.H.6	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the USCG's confined space entry program, PPE requirements, and USCG/unit safe working practices.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Internal Structural Examination (IS)**

**D, H & I Vessels**

**Task:** COR-IS02 Inspect internal structures

**Condition:** *During Internal structural inspection*

**Standard:** *In compliance with applicable policies, laws, regulations, and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 42 Load Lines - Domestic & Foreign Voyages by Sea
  3. Title 46, Code of Federal Regulations Part 70, 71, 90 & 91
  4. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
  5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  6. ABS Rules for Building and Classing Steel Vessels, 1995 Part 7 Survey After Construction

Steps		References	Initials
IS02.1	Parent cites	46 CFR 31.10-1 & -25-1 46 CFR 70.35-1 & 71.15-1 46 CFR 90.35-1 & 91,15-1	
IS02.2	Examine internal structures	46 CFR 31.10-20(b) & -21(c) 46 CFR 71.50-3(d) & 91.40-3(c) 46 CFR 42.03-5(a)(1) & ABS 7-3-1/1	
IS02.3	Examine coamings, closures and other fittings	46 CFR 42.09-25(b)(2) MSM II/B.3.B	
IS02.4	Verify wastage discovered is within acceptable limits	ABS 7-A-4/27 NVIC 07-68 III(C) NVIC 07-68 III(H)-(N)	
IS02.5	Verify unsatisfactory condition(s) are resolved	46 CFR 42.09-45	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of vessel nomenclature including scantlings/structural members and the proper examination procedures to follow.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR01 Evaluate structural repair proposals

**Condition:** During examination of repair work

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  2. Title 46, Code of Federal Regulations Parts 31, 32, 42, 70, 90
  3. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  5. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
  6. ABS Rules for Building and Classing Steel Vessels, 1995 Part 7 Survey After Construction

Steps		References	Initials
WR01.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
WR01.2	Evaluate extent of damage and/or wastage/corrosion	46 CFR 42.09-50 ABS 7-A-4/17 NVIC 07-68 IV	
WR01.3	Review repair proposal	46 CFR 42.09-50 & ABS 7-A-4/29 MSM II/A.1.F.2.a NVIC 07-68 IV	
WR01.4	Verify repair materials	46 CFR 42.09-50(c) ABS 7-A-4/29 ABS 2-1-1/7	
WR01.5	Verify welding procedures	46 CFR 42.09-50(c) 46 CFR 2.75-70 ABS 2-4-1/1.3	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of acceptable structural repair standards, processes and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR02 Verify welding Procedure Qualification Records (PQR)

**Condition:** During examination of repair work on a pressure vessel that requires qualified weld procedures

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  2. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  4. Title 46, Code of Federal Regulations Part 57 Welding & Brazing
  5. Title 46, Code of Federal Regulations Parts 70 & 90
  6. ASME Boiler and Pressure Vessel Code, Section IX, 1989

Steps		References	Initials
WR02.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60-1 46 CFR 70.20-1 & .35-1 46 CFR 90.20-1 & .35-1	
WR02.2	Confirm need for qualified welding procedure	46 CFR 2.75-70 46 CFR 57.02-2(a)(1)	
WR02.3	Verify variables on PQRs to the Welding Procedure Specification (WPS)	ASME IX/QW-200.1(b) ASME IX/QW-483	
WR02.4	Verify tests and results	ASME IX/QW-200.2(b)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the elements of a PQR and WPS. Also, demonstrate how to use the information contained in both.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR03 Verify welder is qualified to perform repair work

**Condition:** During examination of repair work on a pressure vessel

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  2. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  4. Title 46, Code of Federal Regulations Part 57 Welding & Brazing
  5. Title 46, Code of Federal Regulations Parts 70 & 90
  6. ASME Boiler and Pressure Vessel Code, Section IX, 1989

Steps		References	Initials
WR03.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60-1 46 CFR 70.20-1 & .35-1 46 CFR 90.20-1 & .35-1	
WR03.2	Confirm need for qualified welding procedure	46 CFR 2.75-70 46 CFR 57.02-2(a)(1)	
WR03.3	Verify Welder Performance Qualification (WPQ) is valid	46 CFR 57.02-3 ASME IX/QW-322.1	
WR03.4	Verify variables on WPQ(s)	ASME IX/QW-301.2 ASME IX/QW-301.4 ASME IX/QW-484(a)	
WR03.5	Verify tests are satisfactory	ASME IX/QW-302.1 ASME IX/QW-484(a)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the elements of a WPQ and WPS. Also, demonstrate how to use the information contained in both.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR04 Inspect fit-up

**Condition:** *During initial examination of steel repair work*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Parts 42, 57, 70 & 90
  4. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
  5. ABS Rules for Building and Classing Steel Vessels, Part 2 Materials and Welding
  6. American Welding Society Guide for Steel Hull Welding - ANSI/AWS D3.5-93

Steps		References	Initials
WR04.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
WR04.2	Examine material and verify it is fitted to approved joint detail	46 CFR 42.09-50 ANSI/AWS D3.5-93 NVIC 07-68 IV & V	
WR04.3	Verify materials (base, filler, gas)	46 CFR 57.02-5 ABS 2-1-1/1.1	
WR04.4	Verify welding processes	ABS 2-4-1/1.7	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of structural repair standards, processes and procedures. Note: Marine Safety Manual Vol II, Chapter 5 directs you to NVIC 7-68.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR05 Inspect back gouge

**Condition:** *During intermediate examination of full penetration weld on steel repair work*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Parts 70 & 90
  4. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
  5. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
  6. American Welding Society Guide for Steel Hull Welding - ANSI/AWS D3.5-93

Steps		References	Initials
WR05.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
WR05.2	Examine welds for defects (discontinuity)	ABS 2-4-1/5.9 NVIC 07-68 V(G)(2)	
WR05.3	Verify weld sequencing	ANSI/AWS D3.5-93 NVIC 07-68 V(F)	
WR05.4	Verify joints are cleaned interpasses	ABS 2-4-1/3.5 NVIC 07-68 V(H)	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of structural repair standards, processes and procedures.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR06 Inspect welds

**Condition:** During final visual examination of steel repair work

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Parts 70 & 90
  4. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
  5. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
  6. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2014

Steps		References	Initials
WR06.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
WR06.2	Examine welds for uniformity and reinforcement	ABS 2-4-1/5.15.1 NVIC 07-68 V	
WR06.3	Examine welds for defects (discontinuity)	ABS 2-4-1/5.15.1 NVIC 07-68 V(H)	
WR06.4	Examine adjacent base metal for injurious arc strikes, spatter, undercut, overlap, slag and irregular and/or sharp edges	ABS 2-4-1/5.15.1	
WR06.5	Verify workmanship through an nondestructive test	ABS 2-4-1/5.15.2 ABS NDT Guide	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of structural repair standards, processes and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR07 Verify welding Procedure Qualification Record(s) (PQR)

**Condition:** During examination of repair work on hull that require a qualified welder

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  2. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  4. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  6. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls

Steps		References	Initials
WR07.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
WR07.2	Confirm need for qualified welding procedure	46 CFR 2.75-70 NVIC 07-68	
WR07.3	Verify variables on PQR(s) to the Welding Procedure Specification (WPS(s))	46 CFR 2.75-70	
WR07.4	Verify tests and results	46 CFR 2.75-70	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the elements of a PQR and WPS. Also, demonstrate how to use the information contained in both.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Welding Repair Inspection (WR)**

**D, H & I Vessels**

**Task:** COR-WR08 Verify welder is qualified to perform repair work

**Condition:** During examination of repair work

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  2. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  4. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions

Steps		References	Initials
WR08.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
WR08.2	Confirm need for qualified welding procedure	46 CFR 2.75-70	
WR08.3	Verify Welder Performance Qualification (WPQ) is valid	46 CFR 2.75-70	
WR08.4	Verify variables on WPQs	46 CFR 2.75-70	
WR08.5	Verify tests are satisfactory	46 CFR 2.75-70	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of the elements of a WPQ and WPS. Also, demonstrate how to use the information contained in both.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Nondestructive Testing Inspection (NT)

D, H &amp; I Vessels

**Task:** COR-NT01 Inspect nondestructive testing (NDT) using the liquid (dye) penetrant method

**Condition:** During inspection or after completion of a weld repair

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 2 Materials and Welding
  6. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2018

Steps		References	Initials
NT01.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
NT01.2	Verify technician's qualification and certification	ABS 2-4-1/5.17 NDT Guide 4/5.3	
NT01.3	Verify application technique	NDT Guide 4/5.5	
NT01.4	Witness application procedures	ABS NDT Guide 4/5.7	
NT01.5	Witness visible penetrant examination	ABS NDT Guide 4/7.5	
NT01.6	Witness fluorescent penetrant examination	ABS NDT Guide 4/7.7	
NT01.7	Evaluate test results or technician's report	ABS NDT Guide 4/9 & 11	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of dye penetrant testing methods and procedures (may vary depending on the manufacturer). Trainee shall demonstrate knowledge of Type 1, 2 and 3 NDT certifications.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Nondestructive Testing Inspection (NT)

D, H &amp; I Vessels

**Task:** COR-NT02 Inspect nondestructive testing (NDT) using the magnetic particle method

**Condition:** During inspection or after completion of a weld repair

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 2 Materials and Welding
  6. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2018

Steps		References	Initials
NT02.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
NT02.2	Verify technician's qualification and certification	ABS 2-4-1/5.17 NDT Guide 7/5.3	
NT02.3	Verify inspection technique	ABS NDT Guide 7/5.5	
NT02.4	Verify equipment and magnetic field strength	ABS NDT Guide 7/5.7.1 & .2	
NT02.5	Witness application of visible magnetic particles	ABS NDT Guide 7/5.7.3	
NT02.6	Witness application of fluorescent particles	ABS NDT Guide 7/5.7.4	
NT02.7	Witness technician examine/interpret readings	ABS NDT Guide 5/5.7 & 9	
NT02.8	Evaluate test results or review technician's report	ABS NDT Guide 5/5.7 & 9	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of magnetic particle testing methods and procedures (may vary depending on the manufacturer). Trainee shall demonstrate knowledge of Type 1, 2 and 3 NDT certifications.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT03 Verify nondestructive testing (NDT) using the radiography (gamma rays or x-rays) method

**Condition:** During inspection or after completion of a weld repair

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 2 Materials and Welding
  6. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2018

Steps		References	Initials
NT03.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
NT03.2	Verify technician's qualification and certification	ABS 2-4-1/5.17 NDT Guide 2/5.1	
NT03.3	Verify inspection technique	ABS NDT Guide 2/5.3	
NT03.4	Verify film identification markings	ABS NDT Guide 2/5.5	
NT03.5	Verify radiography quality level	ABS NDT Guide 2/5.7	
NT03.6	Verify Image Quality Indicator (IQI)	ABS NDT Guide 2/5.9	
NT03.7	Witness technician examine/interpret readings	ABS NDT Guide 2/5.15	
NT03.8	Review technician's report	ABS NDT Guide 2/9 & 11	

**Verifying Officer Guidance:** RAD detectors frequently go off when isotubes are being used. All USCG personnel in the area should be advised of this ahead of time for awareness and to ensure other/alternative personnel protection actions are taken as needed.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT04 Verify nondestructive testing (NDT) using the ultrasonic method

**Condition:** During inspection or after completion of a weld repair

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 2 Materials and Welding
  6. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2018

Steps		References	Initials
NT04.1	Parent cites	46 CFR 31.10-1 & 32.60-1 46 CFR 70.35-1 46 CFR 90.35-1	
NT04.2	Verify technician's qualification, certification and techniques	ABS 2-4-1/5.17 ABS NDT Guide 3/3	
NT04.3	Verify calibrate block's material and thickness	ABS NDT Guide 3/3.5	
NT04.4	Verify type of equipment/instrument used	ABS NDT Guide 3/3.7	
NT04.5	Verify equipment is calibrated	ABS NDT Guide 3/3.9	
NT04.6	Witness technician examine/interpret readings	ABS NDT Guide 3/3.11	
NT04.7	Evaluate test results or review technician's report	ABS NDT Guide 3/3.13	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of ultrasonic testing methods and procedures (may vary depending on the manufacturer). Trainee shall demonstrate knowledge of Type 1, 2 and 3 NDT certifications as well as shear/L wave capabilities machines.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT05 Inspect nondestructive testing (NDT) using the hydro-static method (Pressure Vessels)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 54 Pressure Vessels
  4. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions

Steps		References	Initials
NT05.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT05.2	Verify requirement for test	46 CFR 54.10-10(a)	
NT05.3	Verify ready for testing	46 CFR 54.10-10(b)	
NT05.4	Verify air has been purged	46 CFR 54.10-10(b)	
NT05.5	Verify piping components are isolated	46 CFR 54.10-10(b)	
NT05.6	Verify test pressure	46 CFR 54.10-10(b) 46 CFR 54.10-20	
NT05.7	Verify test pressure is attained and maintained	46 CFR 54.10-10(c)	
NT05.8	Witness test	46 CFR 54.10-10(c)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of hydrostatic testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT06 Inspect nondestructive testing (NDT) using the hydro-static method (Piping Systems)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
  4. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions

Steps		References	Initials
NT06.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT06.2	Verify test pressure of nonstandard piping components	46 CFR 56.97-5	
NT06.3	Verify system is ready for testing	46 CFR 56.97-25	
NT06.4	Verify air has been purged	46 CFR 56.97-30(a)	
NT06.5	Verify test medium	46 CFR 56.97-30(b)	
NT06.6	Verify piping components are isolated	46 CFR 56.97-30(c)	
NT06.7	Verify test pressure	46 CFR 56.97-30(e) & (f)	
NT06.8	Witness test	46 CFR 56.97-30(d)	
NT06.9	Verify test pressure is attained and maintained	46 CFR 56.97-30(g)	
NT06.10	Verify pressures for Installation tests	46 CFR 56.97-40	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of hydrostatic testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT07 Inspect nondestructive testing (NDT) using the hydro-static method (Tanks and Bulkheads)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 3 Hull Construction and Equipment

Steps		References	Initials
NT07.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT07.2	Verify tanks/space is ready for testing	ABS 3-7-1/3.5.4(a) & (b)	
NT07.3	Verify test medium being used	ABS 3-7-1/3.5.4(a) & (b)	
NT07.4	Verify piping components are isolated	ABS 3-7-1/3.5.4(a) & (b)	
NT07.5	Verify test pressure	ABS 3-7-1/3.5.4(a) & (b)	
NT07.6	Witness test	ABS 3-7-1/3.5.4(a) & (b)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of hydrostatic testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT08 Inspect nondestructive testing (NDT) using the pneumatic method (Pressure Vessels)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 54 Pressure Vessels
  4. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions

Steps		References	Initials
NT08.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT08.2	Determine suitability for test	46 CFR 54.10-15(a) & (b)	
NT08.3	Ensure all safety precaution are taken	46 CFR 54.10-15(g)	
NT08.4	Verify test pressure	46 CFR 54.10-15(c)	
NT08.5	Witness gradual pressure increase	46 CFR 54.10-15(d)	
NT08.6	Witness test	46 CFR 54.10-15(e)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of pneumatic testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT09 Inspect nondestructive testing (NDT) using the pneumatic method (Piping Systems)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
  4. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  5. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions

Steps		References	Initials
NT09.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT09.2	Verify test medium and temperature	46 CFR 56.97-35(b)	
NT09.3	Verify piping components are isolated	46 CFR 56.97-35(c)	
NT09.4	Verify test pressure	46 CFR 56.97-35(f) & (g)	
NT09.5	Witness gradual pressure increase	46 CFR 56.97-35(d)	
NT09.6	Verify test pressure is attained and maintained	46 CFR 56.97-35(h)	
NT09.7	Witness test	46 CFR 56.97-35(e)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of pneumatic testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT10 Inspect nondestructive testing (NDT) using the tank air test (pneumatic) method (Tanks and Bulkheads)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 3 Hull Construction and Equipment

Steps		References	Initials
NT10.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT10.2	Verify tanks/space is ready for testing	ABS 3-7-1/3.5.4(d)	
NT10.3	Verify piping components are isolated	ABS 3-7-1/3.5.4(d)	
NT10.4	Verify test pressure	ABS 3-7-1/3.5.4(d)	
NT10.5	Verify presence of leak indicating solution	ABS 3-7-1/3.5.4(d)	
NT10.6	Verify calibration of means to measure pressure	ABS 3-7-1/3.5.4(d)	
NT10.7	Witness initial test	ABS 3-7-1/3.5.4(d)	
NT10.8	Witness secondary test	ABS 3-7-1/3.5.4(d)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of tank air test testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT11 Inspect nondestructive testing (NDT) using the hose test method (Tanks and Bulkheads)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 3 Hull Construction and Equipment

Steps		References	Initials
NT11.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT11.2	Verify tanks/space is ready for testing	ABS 3-7-1/3.5.4(c)	
NT11.3	Verify nozzle size	ABS 3-7-1/3.5.4(c)	
NT11.4	Verify water pressure	ABS 3-7-1/3.5.4(c)	
NT11.5	Verify nozzle distance from joints/seams during test	ABS 3-7-1/3.5.4(c)	
NT11.6	Witness test	ABS 3-7-1/3.5.4(c)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of hose test testing methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Nondestructive Testing Inspection (NT)**

**D, H & I Vessels**

**Task:** COR-NT12 Inspect nondestructive testing (NDT) using the vacuum box method (Tanks and Bulkheads)

**Condition:** After completion of construction, repair or during routine inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
  3. Title 46, Code of Federal Regulations Part 70 Passenger Vessels - General Provisions
  4. Title 46, Code of Federal Regulations Part 90 Cargo & Miscellaneous Vessels - General Provisions
  5. ABS Rules for Building and Classing Steel Vessels, 2018 Part 3 Hull Construction and Equipment

Steps		References	Initials
NT12.1	Parent cites	46 CFR 31.10-1, .30-1 & 32.60 46 CFR 70.20-1 46 CFR 90.20-1	
NT12.2	Verify tanks/space is ready for testing	ABS 3-7-1/3.5.4(f)	
NT12.3	Verify condition of gauge and injector	ABS 3-7-1/3.5.4(f)	
NT12.4	Verify presence of leak indicating solution	ABS 3-7-1/3.5.4(f)	
NT12.5	Verify test gauge pressure	ABS 3-7-1/3.5.4(f)	
NT12.6	Witness test	ABS 3-7-1/3.5.4(f)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of vacuum box methods and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Follow Up Action (FU)**

**D, H & I Vessels**

**Task:** COR-FU01 Verify vessel compliance with the International Safety Management (ISM) Code

**Condition:** Upon identification of a systemic failure in implementing the code

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 96 Rules for the Safe Operation of Vessels & Safety Management Systems
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Safety Management (ISM) Code, 2018

Steps		References	Initials
FU01.1	Verify master's oversight	33 CFR 96.250 SOLAS 20 IX/3.2 ISM Code A/5	
FU01.2	Verify maintenance program for vital equipment	33 CFR 96.250 ISM Code A/10.4	
FU01.3	Verify compliance of Safety and Environmental Policy	33 CFR 96.250 ISM Code A/2	
FU01.4	Verify record keeping compliance	33 CFR 96.220(a)(3) ISM Code A/10.2.4	
FU01.5	Verify company responsibilities and authority are defined	33 CFR 96.250 ISM Code A/3	
FU01.6	Verify crew can identify and contact information of designated person(s) ashore	33 CFR 96.250 ISM Code A/4	
FU01.7	Review audit documentation and ensure follow-up actions	33 CFR 96.250 ISM Code A1.4.6, A/9 & 12	

**Verifying Officer Guidance:** Trainee should be able to explain what SMS and its Coast Guard equivalent are. Additional guidance on US Flag Interpretations of the IMS Code can be located in CVC-WI-004(1).

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Follow Up Action (FU)**

**D, H & I Vessels**

**Task:** COR-FU02 Issue control action(s)

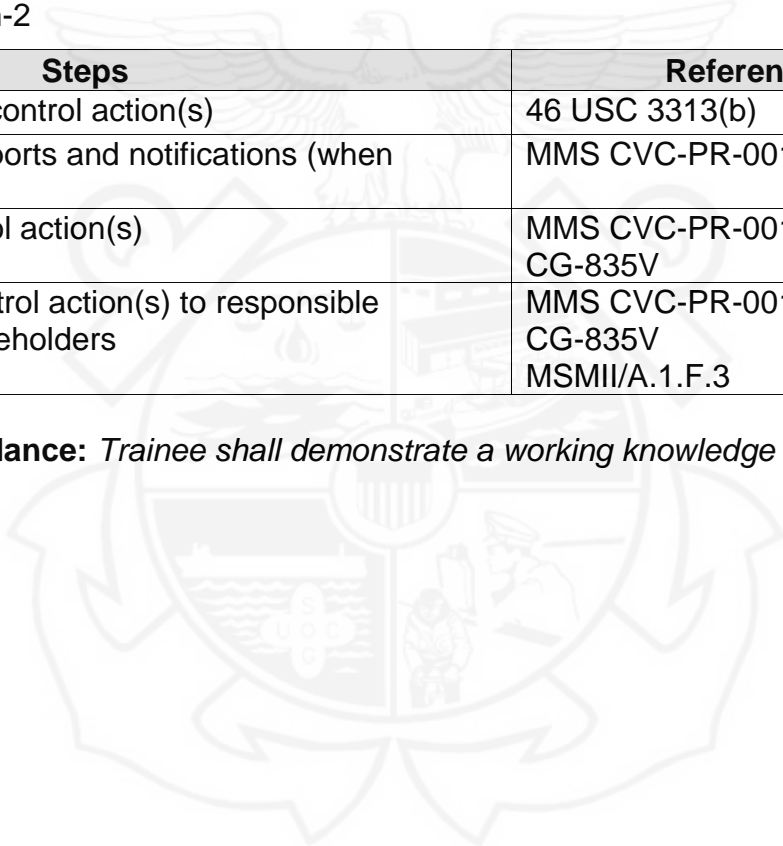
**Condition:** Upon discovery of substantial non-compliance

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. Title 46, United States Code § 3313 Compliance with Certificate of Inspection
  2. Mission Management System (MMS) Procedure CVC-PR-001(2)- Documenting Deficiencies on U.S. Flag Vessels
  3. Form CG-835V Vessel inspection Requirements
  4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
FU02.1	Determine control action(s)	46 USC 3313(b)	
FU02.2	Conduct reports and notifications (when applicable)	MMS CVC-PR-001(2)	
FU02.3	Issue control action(s)	MMS CVC-PR-001(2) CG-835V	
FU02.4	Explain control action(s) to responsible parties/stakeholders	MMS CVC-PR-001(2) CG-835V MSMII/A.1.F.3	

**Verifying Officer Guidance:** *Trainee shall demonstrate a working knowledge of MISLE.*



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Follow Up Action (FU)**

**D, H & I Vessels**

**Task:** COR-FU03 Issue deficiencies

**Condition:** Upon completion of inspection, with deficiencies found

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. Title 46, United States Code § 3313 Compliance with Certificate of Inspection
  2. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  4. Mission Management System (MMS) Procedure CVC-PR-001 - Documenting Deficiencies on U.S. Flag Vessels

Steps		References	Initials
FU03.1	Determine when worklists may be used	MMS CVC-PR-001(2)	
FU03.2	Document "self reported" deficiencies	MMS CVC-PR-001(2)	
FU03.3	Determine deficiency's reference cite	46 USC 3313(b) MSM II/A.2.C.4	
FU03.4	Discuss deficiencies and corrective measures/timeframe with vessel's master or representative	MSM II/A.2.C.2	
FU03.5	Issue signed CG-835V to vessel's master or representative	46 CFR 2.01-10(a) MSM II/A.2.C MMS CVC-PR-001(2)	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of MISLE and the Coast Guard's Mission Management System's (MMS) processes and procedures.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Follow Up Action (FU)**

**D, H & I Vessels**

**Task:** COR-FU04 Issue/Endorse vessel's certificates

**Condition:** Upon completion of the inspection

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 31 Tank Vessels - Inspection & Certification
  2. Title 46, Code of Federal Regulations Part 71 Passenger Vessels - Inspection & Certification
  3. Title 46, Code of Federal Regulations Part 91 Cargo & Miscellaneous Vessels - Inspection & Certification
  4. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
  5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  6. IMO Resolution A.1076(28) Amendments to the Survey Guidelines Under the Harmonized System of Survey and Certification (HSSC), 2011

Steps		References	Initials
FU04.1	Issue/Endorse certificates, as applicable	46 CFR 31.40-1 & 71.75-1 46 CFR 91.60-1 SOLAS 20 I/14(i)(ii)/IMO Res A.1076(28)	
FU04.2	Obtain a copy of all endorsed certificates for the unit's vessel file	MSM I/12.E.7	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of MISLE. If available, CVC-approved Process Guides must be used when preparing certificates/documents.

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Follow Up Action (FU)

D, H &amp; I Vessels

**Task:** COR-FU05 Complete Maritime Information for Safety and Law Enforcement (MISLE) Activity

**Condition:** During follow-up portion of the inspection

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
  2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  3. IMO Resolution A.1076(28) Amendments to the Survey Guidelines Under the Harmonized System of Survey and Certification (HSSC), 2011
  4. MISLE Vessels User Guide
  5. CG-CVC Mission Management System (MMS) PR-009(2) MISLE Vessel Inspection Activity Entry and Review Process-Domestic Inspections

Steps		References	Initials
FU05.1	Open existing activity in MISLE	MSM I/12.G.2.a IMO Res A.1076(28) MISLE User Guide	
FU05.2	Update inspection results	MSM I/12.H.1 / MSM II/A.2.C.2.d MMS PR-009(2) MISLE User Guide	
FU05.3	Update activity narrative special notes	MSM I/12.H.1 MMS PR-009(2) MISLE User Guide	
FU05.4	Update vessel details	MSM I/12.H.1 MMS PR-009(2) MISLE User Guide	
FU05.5	Amend Certificate of Inspection	MSM I/12.H.1 MMS PR-009(2) MISLE User Guide	
FU05.6	Print new or amended Certificate of Inspection and Deficiency Letter	MSM II/A.2.C.6 MMS PR-009(2) MISLE User Guide	
FU05.7	Change activity status to "Open - Submitted for Review"	MSM I/12.H.1 MISLE User Guide	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of MISLE. If available, CVC-approved Process Guides must be used when preparing certificates/documents.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Follow Up Action (FU)**

**D, H & I Vessels**

**Task:** COR-FU06 Conduct deficiency check

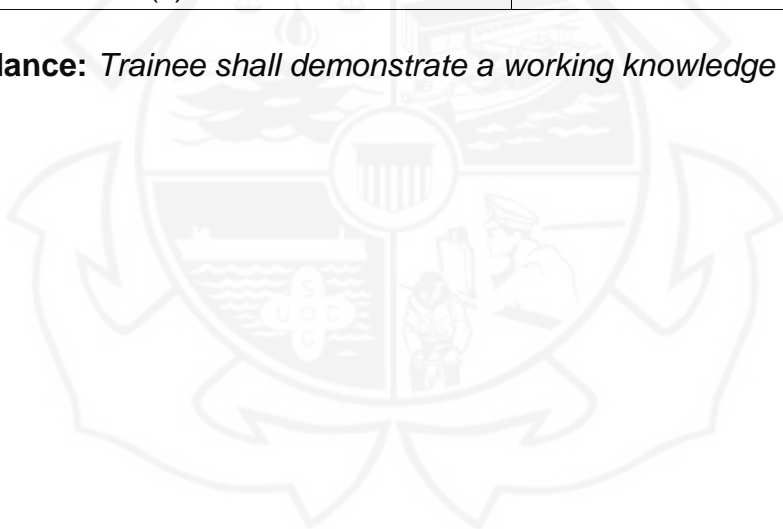
**Condition:** During follow-up visit

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
  2. MISLE User Guide
  3. CG-CVC Mission Management System (MMS) CVC PR-001(2) Documenting Deficiencies on U.S. Flag Vessels and OCS Floating Offshore Installations (FOIs)

Steps		References	Initials
FU06.1	Determine an appropriate verification method for identified deficiencies	MSM II/A.2.C.4	
FU06.2	Verify corrections meet appropriate regulations	MSM II/A.2.C.4.a	
FU06.3	Clear deficiencies in MISLE activity	MSM II/A.2.C.2.d MISLE User Guide MMS PR-001(2)	
FU06.4	Remove control action(s)	MISLE User Guide	

**Verifying Officer Guidance:** Trainee shall demonstrate a working knowledge of MISLE.



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Performance Qualification Standard and Job Aid Change  
Recommendation Form**

From: \_\_\_\_\_ Date: \_\_\_\_\_

PQS/Job Aid Title:


Section(s) Affected:


Remark(s)/Comment(s):


Reference(s):


Signature: \_\_\_\_\_

Submit to [MarineSafetyPQS@uscg.mil](mailto:MarineSafetyPQS@uscg.mil) by clicking the button